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# National Occupational Classification (NOC) 2021 Version 1.0

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## Preface

The publication of the National Occupational Classification (NOC) 2021 is the thirtieth anniversary of the standard occupational classification system and it introduces a major structural change. The NOC 2021 Version 1.0 overhauls the “Skill Level” structure by introducing a new categorization representing the degree of *Training, Education, Experience and Responsibilities* (TEER) required for an occupation. The NOC 2021 Version 1.0 also introduces a new 5-digit hierarchical structure, compared to a 4-digit hierarchical structure in the previous versions of the classification. This revision is extensive; the last structural revision was NOC 2011.

## Acknowledgements

The National Occupational Classification (NOC) 2021 is published, in partnership by Employment and Social Development Canada (ESDC) and Statistics Canada (StatCan). The NOC 2021 Version 1.0 has been made possible through the significant contributions of a number of individuals and groups, including a team of occupational research analysts and assistants from both ESDC and StatCan. Their commitment to excellence is evident in this new version of the NOC’s foundational system used for structuring and describing occupations in the Canadian labour market and for managing the collection, analysis and reporting of occupational statistics. The partnership and collaboration between ESDC and StatCan has ensured that quantitative and qualitative information on occupations continues to be reliable, timely and relevant for a wide range of audiences.

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## Introduction

### Purpose of the classification

The National Occupational Classification (NOC) Canada is a classification of occupations designed primarily for use in statistical programs. It is also used for employment-related program administration and to compile, analyze and communicate information about occupations, such as labour market information. Occupational information is of critical importance for the provision of labour market and career intelligence, occupational forecasting, labour supply and demand analysis, employment equity, job training and skills development, and numerous other programs and services. It provides a standardized framework for organizing the world of work, for pay or profit, in a manageable, understandable and coherent system.

Statistical classifications are comprehensive structured lists of mutually exclusive categories or classification items.<sup>1</sup> In practice, this means that there is always a category in the classification for an object that falls within the scope of the classification, and that the object can be classified in only one category. The section titled “**The underlying concepts**” further discusses the object and scope of NOC.

The structure of the NOC is hierarchical. This type of classification system enables the collection, analysis and publication of data at different levels of detail, in a standardized way. The section titled “**The classification structure and coding system**” discusses the structure of the NOC in greater detail.

The purpose of standard classifications is to support the integration of data obtained from multiple sources by organizing the documentation, collection, processing, presentation and analysis of data in a systematic manner. Classifications are essential elements of a coherent and efficient statistical system.

The NOC has been developed to support the integration of occupational statistics. The next section provides a background on the NOC, the potential impact of the redesign and a sense of the different applications of the classification.

### Background

The NOC was jointly developed by Employment and Social Development Canada (ESDC) and Statistics Canada (StatCan), and has been maintained in partnership since the first edition published in 1991/1992. Prior to 2011, ESDC NOC and StatCan NOC-S differed in their major group structures and, consequently, in their coding systems. However, the revised NOC 2011 eliminated the differences between the two former systems.

As the Canadian economy and society changes, it is common practice for classifications to be updated and revised as new industries, products, occupations and educational programs are introduced. NOC structural revisions are planned every 10 years and content was updated every 5 years to respond to labour market changes. Starting in 2017, the NOC 2016 has undergone content updates approximately every year to ensure users have the most up-to-date information. This publication of the National Occupational Classification (NOC) 2021 represents a major structural revision of the NOC based on its 10-year revision cycle.

### Revising the NOC

The NOC 2016 structure and format are based on a four-tiered hierarchical arrangement of occupational groups with successive levels of disaggregation. It contains broad occupational categories, major, minor and unit groups. It is categorized based on two major attributes of jobs, the “Broad Occupational Category” and the “Skill Level”, as classification criteria. The former was defined as the type of work performed, with respect to the educational discipline or field of study for entry into an occupation and the industry of employment (e.g. health occupations or sales and service occupations). The “Skill Level” categorization is primarily defined by the amount and type of education and training usually required to enter and perform the duties of an occupation, but also considers experience, complexity and responsibilities. See NOC 2016 Structure below.

1. According to the [Generic Statistical Information Model \(GSIM\)](#): A Classification Item represents a category at a certain Level within a Statistical Classification. It defines the content and the borders of the category. An object/unit can be classified to one and only one Classification Item at each Level of a Statistical Classification.

## NOC 2016 Structure<sup>2</sup>

Broad Occupational Category or the skill type criteria is...	when the first digit is...
Management occupations	0
Business, finance and administration occupations	1
Natural and applied sciences and related occupations	2
Health occupations	3
Occupations in education, law and social, community and government services	4
Occupations in art, culture, recreation and sport	5
Sales and service occupations	6
Trades, transport and equipment operators and related occupations	7
Natural resources, agriculture and related production occupations	8
Occupations in manufacturing and utilities	9

Skill Level category or the skill level criteria is...	when the second digit is...
Skill Level A	0 or 1
Skill Level B	2 or 3
Skill Level C	4 or 5
Skill Level D	6 or 7

The NOC 2021 Version 1.0 was developed through ongoing discussions between ESDC and StatCan as well as consultations with stakeholders. During consultations leading toward the NOC 2021 revision, it was suggested to add a new “Level” to the NOC 2016 Skill level categorization, to clarify the distinction in formal training or education required among unit groups, especially in the current “Skill Level B”, which has a wide range of formal training or educational requirements. Over time due to the changing world of work, the NOC 2016 “Skill Level B” became a disproportionately large group and thereby limited the ability to analyze distinctions amongst a large percentage of occupations.

Another observation during the revision process was the use of the “Skill Level” categorization in the NOC as possibly being misleading because training and education, which are the main building blocks of the NOC’s “Skill Level” categorization, are not considered as “skills” in the labour market. With regards to skills, many countries and organizations are currently developing their own skills taxonomy (which include concepts such as numeracy and literacy). Therefore, it was deemed appropriate for the NOC to move away from the “Skill Level” categorization.

The NOC 2021 Version 1.0 represents a major structural revision whereby the existing occupational groups are reviewed alongside input collected from many relevant stakeholders through consultation. The main accomplishment of the NOC 2021 Version 1.0 was the overhaul of the “skill level” categorization by introducing a new categorization representing the degree of Training, Education, Experience and Responsibilities (TEER) required for an occupation.

The redesign of the NOC for 2021 moves away from the previous version of NOC with four “Skill Level” categories to an innovative six-grouping “TEER” categorization. This change is necessary for several reasons. First, the focus of the NOC is occupations and not skills and the “Skill Level” terminology is often misleading for many stakeholders. This change will reduce confusion. Second, some NOC users artificially create or infer a low- versus high-skill categorization. This redesign moves away from high/low skill categorization as the TEER more accurately captures differences in occupational requirements, which in turn will aid in the analysis of occupations.

2. See [NOC 2016 classification criteria](#) for additional details.

The section titled “**The classification structure and coding system**” discusses the structure of the NOC 2021 Version 1.0 in greater detail.

These changes significantly improve how the NOC classification takes into account the distinctions in formal training and educational requirements and better reflects skill and knowledge development occurring through on-the-job experience. At the same time, it increases the homogeneity of the distribution of unit groups within the classification, and addresses concerns about the “Skill Level” categorization and the distribution of unit groups among them.

The transition from the “Skill Level” to the “TEER” categorization makes the distribution of occupations across the “TEER categories” more balanced. The change in the distribution of unit groups is summarized in the tables below.

### Distribution of NOC Unit Groups by Skill Level / TEER

NOC 2016 V1.3 Distribution of Unit Groups by Skill Level	NOC 2021 V1.0 Distribution of Unit Groups by TEER		
		TEER Category 0	9%
Skill Level A	28%	TEER Category 1	19%
Skill Level B	42%	TEER Category 2	31%
Skill Level C	24%	TEER Category 3	13%
Skill Level D	6%	TEER Category 4	18%
		TEER Category 5	9%

The NOC is the nationally accepted taxonomy and organizational framework of occupations in the Canadian labour market. It is important to note that the redesign of the NOC can have significant implications for several Surveys, such as the Labour Force Survey (LFS), and ESDC programs such as the Temporary Foreign Worker Program and Employment Insurance program. This change may have significant impact on various programs throughout other federal departments, as well as provincial, territorial and municipal governments and many users of the NOC.

The NOC 2021 Version 1.0, as of August 10th, 2021, is now the departmental standard for data collection and dissemination for occupations at Statistics Canada. Implementation dates for each new classification version such as NOC 2021 Version 1.0 will vary based on when statistical surveys or programs; entities; organizations or individuals decide to use it.

## The underlying concepts

Statistical classifications are built around three basic concepts: the object classified or statistical unit, the scope or universe of the classification, and the criteria used to group statistical units in standard categories or classification items.

### The statistical unit

The basic principle of the NOC is the kind of work performed. The statistical unit or object being classified using the NOC is the concept of a “job”. A job encompasses all the tasks carried out by a particular person to complete their duties. A job title represents the name given to a job or a position. The term job is used in reference to employment or in self-employment.

An occupation is defined as a collection of jobs, sufficiently similar or identical in work or tasks performed to be grouped under a common label for classification purposes.

### The scope of the classification

The scope of the NOC is all occupations and jobs in the Canadian labour market undertaken for pay or profit, including people who are self-employed.

The NOC is not designed to include work or tasks not undertaken for pay or profit, for example, voluntary work. However, a person may complete work not for pay or profit where the tasks completed may be described within some occupational groups.

## The classification criteria

The classification criteria refers to the attribute(s) of the statistical unit used to create the most detailed categories of the classification and to group them into analytical aggregates. These attributes must be observable and verifiable in the context of a statistical operation, or it must be possible to derive the information as a set of observed characteristics.

The NOC is built through the application of two major attributes of jobs as classification criteria: broad occupational categories and TEER categories. There are ten broad occupational categories and six TEER categories.

- The ten broad occupational categories are defined by the type of work performed based on the industry of employment and field of study required for entry into an occupation. Within the broad occupational categories factors such as the materials processed or used, the industrial processes and the equipment used, as well as the products made and services provided, have also been considered when combining jobs into occupations and occupations into groups.
- The six TEER categories stand for the Training, Education, Experience and Responsibilities required for occupations. A **TEER category** is defined by the amount and type of training and education required to enter and perform the duties of an occupation. It also takes into consideration the experience required and the complexity of responsibilities involved in the work. Each TEER category reflects commonly accepted paths to employment in an occupation.

The next section “**The classification structure and coding system**” provides more detail on how these two criteria together create the classification structure.

## The classification structure and coding system

The NOC contains a standard classification structure and standard variants of that structure. The standard structure is intended for broad use, whereas each variant is designed to meet a specific user need. The NOC provides a systematic classification structure that categorizes the entire range of occupational activity in Canada. Its’ detailed occupations are identified and grouped primarily according to the work performed, as determined by the training, education, tasks, experiences, duties and responsibilities for an occupation.

### The Standard NOC 2021 Version 1.0 classification structure

The **standard classification structure** uses a five-tiered hierarchical arrangement of occupational groups with successive levels of disaggregation and contains broad, major, sub-major, minor and unit groupings. The structure of the NOC 2021 Version 1.0 is based on two key occupational categorizations: Occupational categories and TEER categories, which are identified in the first two digits of the 5-digit code, as shown in the table below.

Title of Hierarchy	Format	Digit	Represents:
Broad Category	X	First Digit – X	Occupational categorization
Major Group	XX	Second Digit – xX	TEER categorization
Sub-major Group	XXX	xxX	Top level of the Sub-Major Group
Minor Group	XXXX	xxXX	Hierarchy within the Sub-Major Group
Unit Group	XXXXX	xxXXX	Hierarchy within the Minor Group

**Note:** As the first digit identifies the Occupation and the second digit identifies the TEER, they are also referred to as the Major Group.

The hierarchical approach of the NOC ensures collection, dissemination and analysis of data at different levels of detail, in a standardized way. Each number or digit at each hierarchical level has a distinct meaning. Each hierarchical level of the classification is described below, from the most detailed to the most aggregated level.



## Nomenclature and number of categories within each level of NOC 2021 Version 1.0

Level	Coding	Number of categories
Broad Category	1-digit and first digit of all codes	10
TEER	Second-digit of all codes	6
Major Group	2-digit representing the broad category code and the TEER code	45
Sub-major Group	3-digit	89
Minor Group	4-digit	162
Unit Group	5-digit	516

### Broad categories

The *Broad Category (first digit)* of the classification represents the occupational categorization which is defined by the type of work performed, the field of study, or the industry of employment. There are 10 Broad categories in NOC 2021 Version 1.0.

### TEER categories

The *TEER Category (second digit)* of the classification represents the necessary training, education, experience and responsibilities of the occupation. There are 6 TEER categories in NOC 2021 Version 1.0.

### Major groups

The *Major Group (first and second digits)* of the classification is represented by the Broad occupational categorization (first digit) and TEER categorization (second digit) together. A major group also encompasses several sub-major groups and thus represents the two-digit code used by the NOC. There are 45 major groups in NOC 2021 Version 1.0.

### Sub-major groups

The *Sub-major Group (3-digit)* of the classification represents the aggregation of several minor groups and thus represents the three-digit code used by the NOC. There are 89 sub-major groups in NOC 2021 Version 1.0.

### Minor groups

The *Minor Group (4-digit)* of the classification represents the domain in which an occupation is carried out (occupational domain). It is an aggregation of several unit groups and thus represents the four-digit code used by the NOC. There are 162 minor groups in NOC 2021 Version 1.0.

### Unit Groups

The *Unit Group (5-digit)* of the classification is the most detailed level of the classification and represents one or several occupations combined together within the NOC. There are 516 units groups in NOC 2021 Version 1.0.

### Example of coding in NOC 2021 Version 1.0: Judges, lawyers and Quebec notaries

Level	NOC 2021 V1.0 Code	NOC 2021 V1.0 Title
Broad occupational group	4	Occupations in education, law and social, community and government services
Major group	41	Professional occupations in law, education, social, community and government services
Sub-minor group	411	Professional occupations in law
Minor group	4110	Judges, lawyers and Quebec notaries
Unit Group	41100	Judges
Unit Group	41101	Lawyers and Quebec notaries

## The Coding system of the NOC 2021 Version 1.0

As identified in the “Classification Criteria” the NOC 2021 Version 1.0 is built through the application of two major attributes of jobs as classification criteria: ten broad occupational categories (BOC) and six TEER categories.

### NOC 2021 Version 1.0 Broad Occupational Categories

Broad Occupational Categories are defined as the type of work performed based on, notably, the field of study required for entry into an occupation and the industry of employment. The ten BOCs are classified from 0 to 9.

NOC 2021 V1.0 Broad Category - Occupation	when the first digit is...
<b>BOC 0 - Legislative and senior management occupations</b> This broad category comprises legislators and senior management occupations.	0
<b>BOC 1 - Business, finance and administration occupations</b> This broad category comprises specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting), as well as professional occupations in financial and business; administrative and financial supervisors and specialized administrative occupations; administrative occupations and transportation logistics occupations; and office and administrative support and supply chain logistics occupations.	1
<b>BOC 2 - Natural and applied sciences and related occupations</b> This broad category comprises occupations in natural sciences (including basic and applied sciences and experimental development), engineering, architecture and information technology. These occupations cover specialized middle management occupations in engineering, architecture, science and information systems; professional occupations in natural sciences (basic and applied sciences and experimental development); and technical occupations related to natural sciences (including basic and applied sciences and experimental development).	2
<b>BOC 3 - Health occupations</b> This broad category comprises specialized middle management occupations in health care, as well as occupations concerned with providing health care services directly to patients (professional and technical occupations in health) and occupations that provide support to health services.	3
<b>BOC 4 - Occupations in education, law and social, community and government services</b> This broad category comprises managers in public administration, in education and social and community services and in public protection services, as well as occupations concerned with teaching, law, counselling, conducting social science research, developing government policy, and administering government and other programs, and related support occupations.	4
<b>BOC 5 - Occupations in art, culture, recreation and sport</b> This broad category comprises specialized middle management occupations in art, culture, recreation and sport, as well as professional, technical, support and other occupations concerned with art and culture (including the performing arts, film and video, broadcasting, journalism, writing, creative design, libraries and museums), recreation and sports.	5
<b>BOC 6 - Sales and service occupations</b> This broad category comprises middle management occupations in wholesale and retail trade, and customer services, as well as occupations concerned with wholesale and retail sales, and customer, personal and support service occupations related to a wide range of trade and service industries, such as accommodation and food services, travel, tourism and cleaning services.	6
<b>BOC 7 - Trades, transport and equipment operators and related occupations</b> This broad category comprises middle management occupations in trades, transportation and equipment, as well as occupations such as technical trades and transportation officers and controllers; general trades; mail and message distribution, other transport equipment operators and related maintenance workers; and helpers and labourers and other transport drivers, operators and labourers.	7
<b>BOC 8 - Natural resources, agriculture and related production occupations</b> This broad category comprises middle management occupations in natural resources, agriculture and related production, as well as occupations concerned with supervision and equipment operation in the natural resource-based sectors of mining, oil and gas production, forestry and logging, agriculture, horticulture and fishing. Harvesting, landscaping and natural resources labourers are also included. Most occupations in this category are industry specific and do not occur outside of the primary resources industries.	8
<b>BOC 9 - Occupations in manufacturing and utilities</b> This broad category comprises middle management occupations in manufacturing and utilities, as well as occupations concerned with supervisory, production and labouring in manufacturing, processing and utilities.	9

## The NOC 2021 Version 1.0 TEER Categories

The “TEER” categorization defines the requirements of the occupation by considering the type of training, education and experience required for entry, as well as the complexities and responsibilities typical of an occupation. In general, the greater the range and complexity of occupational tasks, the greater the amount of formal education and training, previous experience, on-the-job training, and in some instance’s responsibility, required to competently perform the set of tasks for that occupation.

The NOC 2021 V1.0 Training, Education, Experience and Responsibility (TEER)	when the second digit is...
Management - TEER	0
Completion of a university degree (bachelor’s, master’s or doctorate); or Previous experience and expertise in subject matter knowledge from a related occupation found in TEER 2 (when applicable).	1
Completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or Completion of an apprenticeship training program of two to five years; or Occupations with supervisory or significant safety (e.g. police officers and firefighters) responsibilities; or Several years of experience in a related occupation from TEER 3 (when applicable).	2
Completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or Completion of an apprenticeship training program of less than two years; or More than six months of on-the-job training, training courses or specific work experience with some secondary school education; or Several years of experience in a related occupation from TEER 4 (when applicable).	3
Completion of secondary school; or Several weeks of on-the-job training with some secondary school education; or Experience in a related occupation from TEER 5 (when applicable).	4
Short work demonstration and no formal educational requirements.	5

## The NOC 2021 Version 1.0 conventions

This section outlines the conventions adopted in order to assist users in consistently assigning NOC 2021 Version 1.0 codes and titles.

### The “Other” title

When a unit group ends with a “9”, it is used to classify occupations in an appropriate “other” occupation when a grouping does not account for all the workers in a group, even though such workers may perform distinct sets of work activities. These occupational groups are identified in their title by “Other” appearing at the beginning of the title. “Other” titles exist at the sub-group, minor group or unit group level, for example, Sub-major group 729 – Other technical trades; Minor group 2139 – Other engineers; and Unit group 32209 - Other practitioners of natural healing.

### Language

The NOC is available separately in both official languages. It is important to note that the French version includes only titles commonly used in French and proper to the milieu and, therefore, these are not normally translations of the English titles. The classification structure is the same in both languages.

Unit group labels, examples titles, inclusions and exclusions are presented in a gender-neutral format or identified by the masculine and feminine titles separated by a slash.

### Modifying terms for example titles

Modifying terms have been added to several job titles, as extensions, to designate the industrial sector or the domain of expertise. If applicable, this information is preceded by a dash at the end of the title (cashier

supervisor - retail) to distinguish between similar titles. These modifying terms may also specify where the titles appear in the classification structure (painter - visual arts; painter - motor vehicle repair). This information should be considered when coding job titles.

### **Proprietors**

As a general rule, the class of worker status, that is, whether the respondent works for wages or is self-employed, is not considered for classification purposes.

An exception is made for proprietors in retail trade, food and accommodation services, and residential home building. These are classified as managers to the following unit groups:

- 60020 - Retail and wholesale trade managers
- 60030 - Restaurant and food service managers
- 60031 - Accommodation service managers
- 70011 - Home building and renovation managers

### **Supervisors**

Supervisors are generally classified with the workers supervised and as a result would not have a separate unit group. But there are exceptions to this convention, for example, unit groups 31300 - Nursing coordinators and supervisors and 62010 - Retail sales supervisors.

Supervisors in the following occupational categories have been classified in supervisor unit groups separate from the workers supervised:

- administrative services occupations
- nursing occupations
- sales and service occupations
- trades and transport and equipment operators
- occupations in natural resources and agriculture
- occupations in manufacturing.

Even when separate supervisory unit groups exist, “lead hands” are not classified as such, as previous research has indicated that supervision is usually only a minor part of such jobs.

### **Inspectors, testers and graders**

Generally, inspectors with TEER 2 requirements have been classified in separate unit groups or with technicians and technologists, with matching requirements. Other non-technical inspectors, testers, graders and samplers have been included either in separate unit groups covering occupations in processing industries or in unit groups of assemblers and fabricators in manufacturing industries. This is reflective of patterns of employment found within industries and the increasing responsibility for quality control that is placed on manufacturing production workers.

### **Apprentices and trainees**

Apprentices and trainees have been classified in the same unit groups as the occupations for which they are training. Similarly, interns, residents and articling students are classified with their respective professional groups.

This convention has been adopted to prevent a proliferation of unit groups of apprentices. It is not intended to imply equivalence or interchangeability of apprentices or trainees with fully qualified workers.

### **Format of unit group descriptions**

Each NOC unit group description consists of several standardized sections which define and describe its content.

**Lead statement**

This section provides a general description of the content and boundaries of the unit group and indicates the main activities of occupations within the unit group. It also indicates the kinds of industries or establishments in which the occupations are found. The list of places of employment is not always exhaustive, but can assist in clarifying the occupations described and in differentiating them from occupations found in other groups.

**Illustrative examples<sup>3</sup>/ Example titles<sup>4</sup>**

This section is a list of titles commonly used in the labour market. The titles are intended to illustrate the contents and range of the occupational group. This is not an exhaustive list of job titles.

**Inclusions**

This section provides a list of borderline job titles belonging to a particular NOC unit group. Inclusions are examples in classes where it might not be clear from reading both the class text and title that the example belongs in the class.

**Exclusions**

This section clarifies the boundaries of the unit group by identifying related unit groups and similar occupations that are classified elsewhere. Unit groups or individual occupations are cited in this section when they bear a functional similarity to the unit group or when similar titles occur.

**Main duties**

The main duties section describes the most significant duties of the occupations in the group. They are not intended to be comprehensive of all the tasks performed in the occupation. They represent key duties that are related to the occupation(s) associated with the unit group and can be listed using:

- a series of statements that can be applied to all occupations in the group;
- two or more sub-sets of occupations with statements that apply to each sub-set or component;
- a series of brief statements that are linked to specific occupations, that, while similar enough to be in the same group, can be described separately.

Statements in italics, at the end of this section, identify a specialization that may exist within the occupation.

**Employment requirements**

This section describes the employment requirements for the unit group. Several types of requirements are identified in this section and are listed in the following order:

- Type and level of education: for example, secondary school, college diploma, university degree and including specific subject matter if relevant, starting with the lowest possible requirement for entry into the occupation.
- Specific training: for example, apprenticeship training, on-the-job training, training courses specific to an occupation.
- Experience in another occupation: for example, supervisors usually require several years of experience in the occupation that they supervise.
- Licences, certificates or registration: for example, regulatory requirements to practice in a regulated profession, special licenses to operate certain kinds of vehicles.
- Other requirements: for example, athletic ability or artistic talent.

3. This heading is used by Statistics Canada.

4. This heading is used by Employment and Social Development Canada.

Some occupations have very definite employment requirements while for others, there is no consensus or a range of acceptable requirements exist. The following terminology is used to indicate the level of the requirement:

- “... is required” - to indicate a definite requirement;
- “... is usually required” - to indicate something that is usually required by the majority of employers, but not always required by all employers; and
- “... may be required” - to indicate something that may be required by some employers, but on a less frequent basis.

Employment requirements items to note:

- Some occupations are designated as regulated professions and trades. Regulations are subject to change and may vary across jurisdictions. The most reliable information on regulatory requirements for occupations is found on the websites of provincial regulatory organizations and licensing authorities.
- For reasons of brevity, the term college includes: community colleges, CÉGEPs, technical institutes, trade schools and agricultural colleges. Where relevant, in some provinces, it may also include private training organizations, music conservatories and other non-degree granting institutions.
- The Employment requirements section does not attempt to describe personal suitability requirements that are assessed by employers as part of the hiring process.

### **Additional information**

This section appears in some unit group descriptions. It provides information on the following:

- progression to other occupations (such as supervisory or management positions) based on transferability of skills from acquired occupational experience;
- mobility patterns, such as inter- and intra-occupational transferability of skills (for example, identifying occupations that are part of internal lines of progression or specializations within a subject matter area);
- trends and forthcoming changes in the unit group’s employment requirements; and other information to clarify and define the unit group.

### **Coding guidelines to NOC 2021 Version 1.0**

The NOC is designed to classify occupational information in the Canadian labour market in a standardized framework and a manageable, understandable and coherent system. Statistics Canada’s role is to provide occupational information for statistical surveys and data analysis.

When conducting a search to determine what code is best associated with a job title or occupation it is important to note:

- Even though the NOC contains more than 30,000 job titles in each of Canada’s official languages the list is not meant to be exhaustive. The list of examples does provide extensive coverage of commonly used and understood titles in the economy and of more specific titles found in many occupational areas.
- Occupations are identified and grouped primarily by:
  - ▶ the type of work performed based on, notably, the field of study required for entry into an occupation and the industry of employment, and;
  - ▶ considering the type of training, education and experience required for entry, as well as the complexities and responsibilities.

Both of which are determined by the main duties, tasks and responsibilities of the occupation and are key when trying to determine the best code for a job title. Consideration of these factors has proven to be effective in helping to narrow the search for a desired NOC code.

## Selecting a NOC code

1. To find a NOC code associated with a job title start by using the search function and enter an occupational title or keywords related to the occupation. Searching the NOC will generate a list of possible occupations. If the initial search does not yield a matching occupational profile, sound practice is to broaden or narrow the search by using different related keywords.
2. In order to research how closely a NOC unit group code matches a given occupation, the details of the NOC profile in question are to be reviewed, such as the main duties and employment requirements to assess which one most accurately represents the occupation in question. Other information within the NOC profile should also be assessed such as example titles, additional information, and exclusions.
3. If the NOC unit group associated with the job title or occupation in question using the title job search is not found, the NOC structure can be used to narrow down the research. Apply knowledge of which sector of activity the occupation in question is associated to, e.g. health, natural sciences, trades, or transportation. That will limit the search to NOC unit groups found under one “broad occupational category”, which is represented by the first digit of the NOC code. Reduction of the scope based on the TEER requirements of the job or occupation can be beneficial. These requirements correspond to the second digit of the NOC code. Please note these may differ from personal educational levels.
4. Once the broad occupational category and the TEER associated with the job have been identified, a short list of relevant NOC sub-major groups (represented by the first three digits of the NOC code) and NOC minor groups (represented by the first four digits of the NOC code) will be available.
5. A review of the list of all the NOC unit groups found under the relevant NOC minor groups is required, prior to accessing the occupational description of each unit groups to find where the occupation has been classified.
6. To code an occupation, it is possible to use either the search tool or the classification structure.

## Related Classifications

The classification of occupations does not stand alone but must be understood as being related to other classifications, such as the North American Industry Classification System (NAICS) and that of Class of Worker. Each of these classifications supplements the NOC 2021 Version 1.0 in presenting a rounded picture of the nature of a person’s job.

### North American Industry Classification System (NAICS)

The industrial qualifier which may accompany the job title:

- a) Indicates the type of economic activity with which the job is usually associated. (It is important to note that the assignment of an industrial qualifier does not necessarily limit a job to that industry. These qualifiers are merely indicative of the possible areas of activity in which the job may be found).
- b) Permits the assignment of similar titles to different occupation groups where the duties vary between industries.
- c) Aids in defining the specific occupations and helps the coder grasp the underlying principles of this classification.

The industry in which the individual is employed is determined by the kind of economic activity of the establishment. The establishment is usually a factory, mine, farm, store, other place of business or an institution for which a number of basic production variables can be compiled.

It is important to note the conceptual differences between an industry classification and an occupation classification. An establishment can employ individuals performing completely different occupations, and these are classified to appropriate occupational groups, but the industrial classification of each individual employed in the establishment should be the same and is determined by the nature of the production process of the establishment. In other words, the nature of the factory, business or service in which the person is employed does

not determine the classification of the occupation, except to the extent that it enables the nature of the duties to be more clearly defined, but it does determine the classification of the establishment by industry.

## Class of worker

Class of worker refers to an individual's employment relationship to the business in which they work, as employee or self-employed, including unpaid family workers, and thus provides another means of describing the work. The NOC 2021 Version 1.0 does not indicate the class of worker classification for each occupation since many occupations contain both jobs held by employees and jobs of self-employed individuals. The scope of what is an occupation has been outlined in the section "The underlying concepts".

## Relationship between NOC and ISCO-08

The NOC is comparable to the International Standard Classification of Occupations (ISCO) published by the International Labour Organization (ILO). While the NOC was originally developed in Canada in the 1980s, ISCO was also being reviewed and updated to produce ISCO-88. Communication between the NOC and ISCO research teams led to similarities, such as a similar conceptual framework that includes the Skill Type and Skill Level dimensions. The similarities between the NOC and ISCO increased in later structural revision (ISCO-08 and NOC 2011) cycles. However, certain conceptual differences between the NOC 2021 Version 1.0 and ISCO-08 limit comparability. For instance, differences in the classification criteria and classification structure exist between NOC 2021 Version 1.0 and ISCO-08. Additionally, subsistence occupations included in ISCO are not part of the NOC. For countries and regions in which subsistence activities are virtually non-existent, the ILO affirms that such activities may be excluded without loss of international comparability.

The concordance between NOC 2011 and ISCO 2008 can be used for purposes of showing the relationship between NOC 2016 and ISCO 2008 since the structure is the same in both NOC 2011 and NOC 2016. A correspondence table is available between NOC 2016 V1.3 and NOC 2021 V1.0; a correspondence table between NOC 2021 V1.0 and ISCO-08 will be developed and published.

## Summary of changes from NOC 2016 Version 1.3 to NOC 2021 Version 1.0

- Changes occurred at all levels of the NOC structure. Some items were revised while others were added, split, transferred or merged. A complete list of all changes detailed at the unit group level (the most detailed level of the NOC structure) is released as a separate correspondence file and is available at the following link: [NOC 2016 V1.3 - NOC 2021 V1.0](#).

## Higher level structural changes

The following are some examples of higher level structural changes:

In the 2016 version of the NOC, "BOC 0 – Management" included all unit groups dedicated to managerial occupations. Under the 2021 NOC, management is identified in the employment requirements, via the TEER system, rather than as a "field of study and/or industry". The BOC 0 now only contains legislators and senior management occupations. Middle management occupations previously in BOC 0 have been redistributed into the remaining 9 BOCs based on the industry of employment. For example: 0211 - Engineering managers (NOC 2016 V1.3) has been moved to BOC 2 – Natural and applied sciences and related occupations, to unit group 20010 – Engineering managers (NOC 2021 V1.0).

Another example of a higher level structural change is NOC 2016 Version 1.3 minor group 227 - Transportation officers and controllers (and associated unit groups) was moved from BOC 2 - Natural and applied sciences and related occupations to BOC 7 - Trades, transport and equipment operators and related occupations as NOC 2021 Version 1.0 minor group 7260 - Transportation officers and controllers (and associated unit groups). This move better aligns the minor occupation group with the industry of employment.

As it is done for all standard statistical classifications, we provide a more detailed analysis of the changes at the lowest of the classification, which is the unit group level for the NOC.



## Changes at the unit group level

The unit group level (5-digit) is the most detailed level of the NOC and it is used for the analysis of the changes in a more detailed manner. Some items were revised while others were added, split, transferred or merged. The [Generic Statistical Information Model \(GSIM\)](#) is used to identify the types of changes made to the classification: real changes and virtual changes. Real changes are those affecting the scope of the existing classification items or categories, whether or not accompanied by changes in the title, definition and/or the coding. Virtual changes are those made in coding, titles and/or definitions, while the meaning or scope of the classification item remains the same. **The “real changes” are the most important ones for analysis.**

Here are some examples of real changes at the unit group level:

### Creation and deletion of new classification items

Creations occur when a new item emerges and is not part of any one or more existing item(s). A deletion, the mirror opposite of creation, occurs when an item expires and no part of it proceeds as part of one or more existing item(s). **No new classification items (unit groups) were created to the NOC 2021 Version 1.0, and no NOC 2016 V1.3 classification items were deleted according to the deletion and creation definitions found in GSIM.**

### Combination of classification items

Combinations consist of mergers and take-overs among classification items. There were 4 mergers and 8 take-overs of NOC 2016 Version 1.3 unit groups. Essentially, unit groups were combined into an emerging unit group (merger) or an existing unit group (take-over) with the intent to re-arrange the classification of occupational groupings to reflect the current and emerging labour market.

#### Merger examples

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
9222 Supervisors, electronics manufacturing	Merger	92021 Supervisors, electronics and electrical products manufacturing	9222 and 9223 expired and all parts of both merged into emerging item 92021.
9223 Supervisors, electrical products manufacturing	Merger		

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
9432 Pulp mill machine operators	Merger	94121 Pulp mill, papermaking and finishing machine operators	9432 and 9433 expired and all parts of both merged into emerging item 94121.
9433 Papermaking and finishing machine operators	Merger		

#### Take-over examples

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
7247 Cable television service and maintenance technicians	Take-over	72204 Telecommunications line and cable installers and repairers	7247 expires and part proceeds between 72204 and 72205.
	Take-over	72205 Telecommunications equipment installation and cable television service technicians	

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
9531 Boat assemblers and inspectors	Take-over	94219 Other products assemblers, finishers and inspectors	9531 expired and all taken-over as part of 94219.

## Decomposition of classification items

27 classification items are a result of either a breakdown or a split-off: 1 breakdown and 26 split-offs. Unit groups either expired and were distributed over emerging items (breakdown) or partially continued with part assigned (split-off) to emerging unit group with the intent to better align occupational grouping based on the TEER classification criteria and reflect the current and emerging labour market. Below are examples of decomposition changes related to the addition of more detailed classification items.

### Breakdown examples

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
2263 Inspectors in public and environmental health and occupational health and safety	Breakdown	21120 Public and environmental health and safety professionals	2263 expires, while its denotation is distributed over emerging items 21120 and 22232.
	Breakdown	22232 Occupational health and safety specialists	

### Split-off examples

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
0431 Commissioned police officers	Split-off	40040 Commissioned police officers and related occupations in public protection services	0431 continues as 40040 and part split-off to emerging item 41310.
	Split-off	41310 Police investigators and other investigative occupations	

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
1228 Employment insurance, immigration, border services and revenue officers	Split-off	12104 Employment insurance and revenue officers	1228 continues as 43203 and part split-off to emerging item 12104.
	Split-off	43203 Border services, customs, and immigration officers	

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
2171 Information systems analysts and consultants	Split-off	21211 Data scientists	2171 continues as 21222 and part split-off to emerging items 21211, 21220, 21221 and 21233.
	Split-off	21220 Cybersecurity specialists	
	Split-off	21221 Business systems specialists	
	Split-off	21222 Information systems specialists	
	Split-off	21233 Web designers	

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
2172 Database analysts and data administrators	Split-off	21211 Data scientists	2172 continues as 21223 and part split-off to emerging item 21211.
	Split-off	21223 Database analysts and data administrators	

NOC 2016 V1.3 Code(s)	REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)	Description of Change
2173 Software engineers and designers	Split-off	21211 Data scientists	2173 continues as 21231 and part split off to emerging item 21211.
	Split-off	21231 Software engineers and designers	

There were 7 decomposition instances where part of a unit group continued and part split-off to an emerging unit group and part transferred to an existing unit group. Below is an example of this.

### Split off/Transfer Example

NOC 2016 V1.3 Code(s)		REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)		Description of Change
3124	Allied primary health practitioners	Split-off	31302	Nurse practitioners	3124 continues as 31303 and part transferred to 32103 and part split off to emerging item 31302.
		Split-off / Transfer	31303	Physician assistants, midwives and allied health professionals	
		Transfer	32103	Respiratory therapists, clinical perfusionists and cardiopulmonary technologists	

### Transfer of classification items or their parts

There were 42 instances where part of a unit group continued and part of it was transferred to one or more existing unit groups with the intent to better align with the TEER classification criteria and in some cases better realign occupational groupings.

#### Transfer examples

NOC 2016 V1.3 Code(s)		REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)		Description of Change
1253	Records management technicians	Transfer	12111	Health information management occupations	1253 continues as 12112 and part transferred to 12111.
		Transfer	12112	Records management technicians	

NOC 2016 V1.3 Code(s)		REAL CHANGE GSIM NAME	NOC 2021 V1.0 Code(s)		Description of Change
1525	Dispatchers	Transfer	13201	Production and transportation logistics coordinators	1525 continues as 14404 and part transferred to 13201.
		Transfer	14404	Dispatchers	

### Virtual Changes

Essentially, all items of the classification were affected by virtual changes. For example, all unit groups with 1 to 1 links were still affected by code changes as a result of the TEER system. At the most detailed level of the classification (unit groups) more than 470 unit groups were modified where changes were made to titles and definitions. For example, some titles were modified to better describe the occupational groupings based on content revisions. These types of changes are important for clarification and making necessary updates or corrections.

Finally, all changes made (real or virtual) can potentially have an impact on the content of the classification file, which at the most detailed level contains leading statements, illustrative and example job titles, exclusions, inclusions, main duties, employment requirements and additional information. More than 3500 content items have been either added, deleted or edited and more than 1000 job titles have been added, deleted or edited in this NOC 2021 Version 1.0. These two components of the classification support coding of occupations and fosters fluidity when reading or using the classification.

## Net Changes in the NOC 2021 Version 1.0 relative to the NOC 2016 Version 1.3

Level	NOC 2021 V1.0	NOC 2016 V1.3	Net Changes
Broad Category	10	10	0
Major Group	45	40	+5
Sub-major Group	89*	N/A	+89
Minor Group	162	140	+22
Unit Group	516**	500	+16

\* New to the NOC structure in 2021.

\*\* 7 unit groups were eliminated and 23 new unit groups were added, resulting in a net difference of 16.

## More information on the NOC 2021 Version 1.0

For questions related to the National Occupational Classification, please send an email to: [statcan.csd-standards-occupations-cnsd-normes-professions.statcan@statcan.gc.ca](mailto:statcan.csd-standards-occupations-cnsd-normes-professions.statcan@statcan.gc.ca).

For information on the National Occupational Classification (NOC) and its use for programs and services such as, immigrating to Canada, labour market information, job searches and working in Canada, please contact [Employment and Social Development Canada \(ESDC\)](#).

## Classification structure

### 0 Legislative and senior management occupations

#### 00 Legislative and senior managers

##### 000 Legislative and senior managers

##### 0001 Legislative and senior managers

00010 Legislators

00011 Senior government managers and officials

00012 Senior managers - financial, communications and other business services

00013 Senior managers - health, education, social and community services and membership organizations

00014 Senior managers - trade, broadcasting and other services

00015 Senior managers - construction, transportation, production and utilities

### 1 Business, finance and administration occupations

#### 10 Specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting)

##### 100 Specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting)

##### 1001 Administrative services managers

10010 Financial managers

10011 Human resources managers

10012 Purchasing managers

10019 Other administrative services managers

##### 1002 Managers in financial and business services

10020 Insurance, real estate and financial brokerage managers

10021 Banking, credit and other investment managers

10022 Advertising, marketing and public relations managers

10029 Other business services managers

##### 1003 Managers in communication (except broadcasting)

10030 Telecommunication carriers managers

### 11 Professional occupations in finance and business

#### 111 Professional occupations in finance

##### 1110 Auditors, accountants and investment professionals

11100 Financial auditors and accountants

11101 Financial and investment analysts

11102 Financial advisors

11103 Securities agents, investment dealers and brokers

11109 Other financial officers

#### 112 Professional occupations in business

##### 1120 Human resources and business service professionals

11200 Human resources professionals

11201 Professional occupations in business management consulting

11202 Professional occupations in advertising, marketing and public relations

### 12 Administrative and financial supervisors and specialized administrative occupations

#### 120 Administrative and financial supervisors

##### 1201 Administrative and financial supervisors

12010 Supervisors, general office and administrative support workers

12011 Supervisors, finance and insurance office workers

12012 Supervisors, library, correspondence and related information workers

12013 Supervisors, supply chain, tracking and scheduling coordination occupations

## **121 Specialized administrative occupations**

### **1210 Administrative and regulatory occupations**

12100 Executive assistants

12101 Human resources and recruitment officers

12102 Procurement and purchasing agents and officers

12103 Conference and event planners

12104 Employment insurance and revenue officers

### **1211 Court reporters, transcriptionists, records management technicians and statistical officers**

12110 Court reporters, medical transcriptionists and related occupations

12111 Health information management occupations

12112 Records management technicians

12113 Statistical officers and related research support occupations

## **122 Accounting, insurance and related business administrative occupations**

### **1220 Accounting, insurance and related business administrative occupations**

12200 Accounting technicians and bookkeepers

12201 Insurance adjusters and claims examiners

12202 Insurance underwriters

12203 Assessors, business valuers and appraisers

## **13 Administrative occupations and transportation logistics occupations**

### **131 Administrative occupations**

#### **1310 Administrative, property and payroll officers**

13100 Administrative officers

13101 Property administrators

13102 Payroll administrators

#### **1311 Office administrative assistants - general, legal and medical**

13110 Administrative assistants

13111 Legal administrative assistants

13112 Medical administrative assistants

### **132 Transportation and production logistics coordinators and customs brokers and related broker occupations**

#### **1320 Transportation and production logistics coordinators and customs brokers and related broker occupations**

13200 Customs, ship and other brokers

13201 Production and transportation logistics coordinators

## **14 Administrative and financial support and supply chain logistics occupations**

### **141 Office, court, and data support occupations**

#### **1410 Office support and court services occupations**

14100 General office support workers

14101 Receptionists

14102 Personnel clerks

14103 Court clerks and related court services occupations

#### **1411 Survey, statistical and data entry occupations**

14110 Survey interviewers and statistical clerks

14111 Data entry clerks

14112 Desktop publishing operators and related occupations

## **142 Financial, insurance and related administrative support workers**

### **1420 Financial, insurance and related administrative support workers**

14200 Accounting and related clerks

14201 Banking, insurance and other financial clerks

14202 Collection clerks

## **143 Library, correspondence and other clerks**

### **1430 Library, correspondence and other clerks**

14300 Library assistants and clerks

14301 Correspondence, publication and regulatory clerks

## **144 Supply chain logistics, tracking and scheduling coordination occupations**

### **1440 Supply chain logistics, tracking and scheduling coordination occupations**

14400 Shippers and receivers

14401 Storekeepers and partspersons

14402 Production logistics workers

14403 Purchasing and inventory control workers

14404 Dispatchers

14405 Transportation route and crew schedulers

## **2 Natural and applied sciences and related occupations**

### **20 Specialized middle management occupations in engineering, architecture, science and information systems**

#### **200 Specialized middle management occupations in engineering, architecture, science and information systems**

##### **2001 Managers in engineering, architecture, science and information systems**

20010 Engineering managers

20011 Architecture and science managers

20012 Computer and information systems managers

### **21 Professional occupations in natural and applied sciences**

#### **211 Professional occupations in natural sciences**

##### **2110 Physical science professionals**

21100 Physicists and astronomers

21101 Chemists

21102 Geoscientists and oceanographers

21103 Meteorologists and climatologists

21109 Other professional occupations in physical sciences

##### **2111 Life science professionals**

21110 Biologists and related scientists

21111 Forestry professionals

21112 Agricultural representatives, consultants and specialists

##### **2112 Public and environmental health and safety professionals**

21120 Public and environmental health and safety professionals

### **212 Professional occupations in applied sciences (except engineering)**

#### **2120 Architects, urban planners and land surveyors**

21200 Architects

21201 Landscape architects

21202 Urban and land use planners

21203 Land surveyors

**2121 Mathematicians, statisticians, actuaries and data scientists**

21210 Mathematicians, statisticians and actuaries

21211 Data scientists

**2122 Computer and information systems professionals**

21220 Cybersecurity specialists

21221 Business systems specialists

21222 Information systems specialists

21223 Database analysts and data administrators

**2123 Computer, software and Web designers and developers**

21230 Computer systems developers and programmers

21231 Software engineers and designers

21232 Software developers and programmers

21233 Web designers

21234 Web developers and programmers

**213 Professional occupations in engineering**

**2130 Civil and mechanical engineers**

21300 Civil engineers

21301 Mechanical engineers

2131 Electrical, electronics and computer engineers

21310 Electrical and electronics engineers

21311 Computer engineers (except software engineers and designers)

**2132 Manufacturing and processing engineers**

21320 Chemical engineers

21321 Industrial and manufacturing engineers

21322 Metallurgical and materials engineers

**2133 Natural resources engineers**

21330 Mining engineers

21331 Geological engineers

21332 Petroleum engineers

**2139 Other engineers**

21390 Aerospace engineers

21399 Other professional engineers

**22 Technical occupations related to natural and applied sciences**

**221 Technical occupations related to natural sciences**

**2210 Technical occupations in physical sciences**

22100 Chemical technologists and technicians

22101 Geological and mineral technologists and technicians

**2211 Technical occupations in life sciences**

22110 Biological technologists and technicians

22111 Agricultural and fish products inspectors

22112 Forestry technologists and technicians

22113 Conservation and fishery officers

22114 Landscape and horticulture technicians and specialists

**222 Technical occupations related to applied sciences (except engineering)**



**2221 Technical occupations in architecture, drafting, surveying, geomatics and meteorology**

- 22210 Architectural technologists and technicians
- 22211 Industrial designers
- 22212 Drafting technologists and technicians
- 22213 Land survey technologists and technicians
- 22214 Technical occupations in geomatics and meteorology

**2222 Technical occupations in computer and information systems**

- 22220 Computer network and web technicians
- 22221 User support technicians
- 22222 Information systems testing technicians

**2223 Technical inspectors and regulatory officers**

- 22230 Non-destructive testers and inspectors
- 22231 Engineering inspectors and regulatory officers
- 22232 Occupational health and safety specialists
- 22233 Construction inspectors

**223 Technical occupations related to engineering****2230 Technical occupations in civil, mechanical and industrial engineering**

- 22300 Civil engineering technologists and technicians
- 22301 Mechanical engineering technologists and technicians
- 22302 Industrial engineering and manufacturing technologists and technicians
- 22303 Construction estimators

**2231 Technical occupations in electronics and electrical engineering**

- 22310 Electrical and electronics engineering technologists and technicians
- 22311 Electronic service technicians (household and business equipment)
- 22312 Industrial instrument technicians and mechanics
- 22313 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors

**3 Health occupations****30 Specialized middle management occupations in health care****300 Specialized middle management occupations in health care****3001 Managers in health care**

- 30010 Managers in health care

**31 Professional occupations in health****311 Health treating and consultation services professionals****3110 Physicians and veterinarians**

- 31100 Specialists in clinical and laboratory medicine
- 31101 Specialists in surgery
- 31102 General practitioners and family physicians
- 31103 Veterinarians

**3111 Dentists, optometrists and audiologists**

- 31110 Dentists
- 31111 Optometrists
- 31112 Audiologists and speech-language pathologists

**3112 Pharmacists and dietitians**

- 31120 Pharmacists
- 31121 Dietitians and nutritionists

### **312 Therapy and assessment professionals**

#### **3120 Therapy and assessment professionals**

- 31200 Psychologists
- 31201 Chiropractors
- 31202 Physiotherapists
- 31203 Occupational therapists
- 31204 Kinesiologists and other professional occupations in therapy and assessment
- 31209 Other professional occupations in health diagnosing and treating

### **313 Nursing and allied health professionals**

#### **3130 Nursing and allied health professionals**

- 31300 Nursing coordinators and supervisors
- 31301 Registered nurses and registered psychiatric nurses
- 31302 Nurse practitioners
- 31303 Physician assistants, midwives and allied health professionals

### **32 Technical occupations in health**

#### **321 Technical occupations in health (except practitioners of natural healing)**

##### **3210 Technical occupations in therapy and assessment**

- 32100 Opticians
- 32101 Licensed practical nurses
- 32102 Paramedical occupations
- 32103 Respiratory therapists, clinical perfusionists and cardiopulmonary technologists
- 32104 Animal health technologists and veterinary technicians
- 32109 Other technical occupations in therapy and assessment

##### **3211 Technical occupations in dental health care**

- 32110 Denturists
- 32111 Dental hygienists and dental therapists
- 32112 Dental technologists and technicians

##### **3212 Medical technologists and technicians**

- 32120 Medical laboratory technologists
- 32121 Medical radiation technologists
- 32122 Medical sonographers
- 32123 Cardiology technologists and electrophysiological diagnostic technologists
- 32124 Pharmacy technicians
- 32129 Other medical technologists and technicians

#### **322 Practitioners of natural healing**

##### **3220 Practitioners of natural healing**

- 32200 Traditional Chinese medicine practitioners and acupuncturists
- 32201 Massage therapists
- 32209 Other practitioners of natural healing

### **33 Assisting occupations in support of health services**

#### **331 Assisting occupations in support of health services**

##### **3310 Assisting occupations in support of health services**

- 33100 Dental assistants and dental laboratory assistants
- 33101 Medical laboratory assistants and related technical occupations
- 33102 Nurse aides, orderlies and patient service associates

33103 Pharmacy technical assistants and pharmacy assistants

33109 Other assisting occupations in support of health services

#### **4 Occupations in education, law and social, community and government services**

##### **40 Managers in public administration, in education and social and community services and in public protection services**

###### **400 Managers in public administration, in education and social and community services and in public protection services**

###### **4001 Managers in public administration**

40010 Government managers - health and social policy development and program administration

40011 Government managers - economic analysis, policy development and program administration

40012 Government managers - education policy development and program administration

40019 Other managers in public administration

###### **4002 Managers in education**

40020 Administrators - post-secondary education and vocational training

40021 School principals and administrators of elementary and secondary education

###### **4003 Managers in social, community and correctional services**

40030 Managers in social, community and correctional services

###### **4004 Managers in public protection services**

40040 Commissioned police officers and related occupations in public protection services

40041 Fire chiefs and senior firefighting officers

40042 Commissioned officers of the Canadian Armed Forces

##### **41 Professional occupations in law, education, social, community and government services**

###### **411 Professional occupations in law**

###### **4110 Judges, lawyers and Quebec notaries**

41100 Judges

41101 Lawyers and Quebec notaries

###### **412 Professional occupations in education services**

###### **4120 University professors and post-secondary assistants**

41200 University professors and lecturers

41201 Post-secondary teaching and research assistants

###### **4121 College and other vocational instructors**

41210 College and other vocational instructors

###### **4122 Secondary, elementary and kindergarten school teachers**

41220 Secondary school teachers

41221 Elementary school and kindergarten teachers

###### **413 Professional occupations in social and community services**

###### **4130 Social and community service professionals**

41300 Social workers

41301 Therapists in counselling and related specialized therapies

41302 Religious leaders

###### **4131 Police investigators and probation officers**

41310 Police investigators and other investigative occupations

41311 Probation and parole officers

###### **4132 Educational and employment counsellors**

41320 Educational counsellors

41321 Career development practitioners and career counsellors (except education)

#### **414 Professional occupations in government services**

##### **4140 Policy and program researchers, consultants and officers**

- 41400 Natural and applied science policy researchers, consultants and program officers
- 41401 Economists and economic policy researchers and analysts
- 41402 Business development officers and market researchers and analysts
- 41403 Social policy researchers, consultants and program officers
- 41404 Health policy researchers, consultants and program officers
- 41405 Education policy researchers, consultants and program officers
- 41406 Recreation, sports and fitness policy researchers, consultants and program officers
- 41407 Program officers unique to government
- 41409 Other professional occupations in social science

#### **42 Front-line public protection services and paraprofessional occupations in legal, social, community, education services**

##### **421 Occupations in front-line public protection services**

###### **4210 Occupations in front-line public protection services**

- 42100 Police officers (except commissioned)
- 42101 Firefighters
- 42102 Specialized members of the Canadian Armed Forces

##### **422 Paraprofessional occupations in legal, social, community and education services**

###### **4220 Paraprofessional occupations in legal, social, community and education services**

- 42200 Paralegals and related occupations
- 42201 Social and community service workers
- 42202 Early childhood educators and assistants
- 42203 Instructors of persons with disabilities
- 42204 Religion workers

#### **43 Assisting occupations in education and in legal and public protection**

##### **431 Assisting occupations in educational**

###### **4310 Assisting occupations in education**

- 43100 Elementary and secondary school teacher assistants
- 43109 Other instructors

##### **432 Assisting occupations in legal and public protection**

###### **4320 Assisting occupations in legal and public protection**

- 43200 Sheriffs and bailiffs
- 43201 Correctional service officers
- 43202 By-law enforcement and other regulatory officers
- 43203 Border services, customs, and immigration officers
- 43204 Operations members of the Canadian Armed Forces

#### **44 Care providers and legal and public protection support occupations**

##### **441 Home care provider occupations**

###### **4410 Home care provider occupations**

- 44100 Home child care providers
- 44101 Home support workers, caregivers and related occupations

##### **442 Primary combat members of the Canadian Armed Forces**

###### **4420 Primary combat members of the Canadian Armed Forces**

- 44200 Primary combat members of the Canadian Armed Forces

**45 Student monitors, crossing guards and related occupations****451 Student monitors, crossing guards and related occupations****4510 Student monitors, crossing guards and related occupations**

45100 Student monitors, crossing guards and related occupations

**5 Occupations in art, culture, recreation and sport****50 Specialized middle management occupations in art, culture, recreation and sport****500 Specialized middle management occupations in art, culture, recreation and sport****5001 Managers in art, culture, recreation and sport**

50010 Library, archive, museum and art gallery managers

50011 Managers - publishing, motion pictures, broadcasting and performing arts

50012 Recreation, sports and fitness program and service directors

**51 Professional occupations in art and culture****511 Professional occupations in art and culture****5110 Librarians, archivists, conservators and curators**

51100 Librarians

51101 Conservators and curators

51102 Archivists

**5111 Writing, translating and related communications professionals**

51110 Editors

51111 Authors and writers (except technical)

51112 Technical writers

51113 Journalists

51114 Translators, terminologists and interpreters

**5112 Creative and performing artists**

51120 Producers, directors, choreographers and related occupations

51121 Conductors, composers and arrangers

51122 Musicians and singers

**52 Technical occupations in art, culture and sport****521 Technical occupations in art and culture****5210 Technical occupations in libraries and public archives**

52100 Library and public archive technicians

**5211 Technical occupations in motion pictures, broadcasting and the performing arts**

52110 Film and video camera operators

52111 Graphic arts technicians

52112 Broadcast technicians

52113 Audio and video recording technicians

52114 Announcers and other broadcasters

52119 Other technical and coordinating occupations in motion pictures, broadcasting and the performing arts

**5212 Graphic and interior designers**

52120 Graphic designers and illustrators

52121 Interior designers and interior decorators

**53 Occupations in art, culture and sport****531 Occupations in art and culture****5310 Occupations related to museums and art galleries**

53100 Registrars, restorers, interpreters and other occupations related to museum and art galleries

**5311 Photographers and support occupations in arts and culture**

53110 Photographers

53111 Motion pictures, broadcasting, photography and performing arts assistants and operators

**5312 Occupations in creative and performing art**

53120 Dancers

53121 Actors, comedians and circus performers

53122 Painters, sculptors and other visual artists

53123 Theatre, fashion, exhibit and other creative designers

53124 Artisans and craftspersons

53125 Patternmakers - textile, leather and fur products

**532 Occupations in sports**

**5320 Athletes, coaches, referees and related occupations**

53200 Athletes

53201 Coaches

53202 Sports officials and referees

**54 Support occupations in sport**

**541 Support occupations in sport**

**5410 Program leaders and instructors in recreation, sport and fitness**

54100 Program leaders and instructors in recreation, sport and fitness

**55 Support occupations in art and culture**

**551 Support occupations in art and culture**

**5510 Support occupations in art and culture**

55109 Other performers

**6 Sales and service occupations**

**60 Middle management occupations in retail and wholesale trade and customer services**

**600 Middle management occupations in retail and wholesale trade and customer services**

**6001 Corporate sales managers**

60010 Corporate sales managers

**6002 Retail and wholesale trade managers**

60020 Retail and wholesale trade managers

**6003 Managers in food service and accommodation**

60030 Restaurant and food service managers

60031 Accommodation service managers

**6004 Managers in customer and personal services**

60040 Managers in customer and personal services

**62 Retail sales and service supervisors and specialized occupations in sales and services**

**620 Retail sales and service supervisors**

**6201 Retail sales supervisors**

62010 Retail sales supervisors

**6202 Service supervisors**

62020 Food service supervisors

62021 Executive housekeepers

62022 Accommodation, travel, tourism and related services supervisors

62023 Customer and information services supervisors

62024 Cleaning supervisors

62029 Other services supervisors

### **621 Specialized sales occupations**

#### **6210 Technical sales specialists in wholesale trade and retail and wholesale buyers**

62100 Technical sales specialists - wholesale trade

62101 Retail and wholesale buyers

### **622 Specialized services occupations**

#### **6220 Specialized occupations in services**

62200 Chefs

62201 Funeral directors and embalmers

62202 Jewellers, jewellery and watch repairers and related occupations

## **63 Occupations in sales and services**

### **631 Occupations in sales**

#### **6310 Insurance, real estate and financial sales occupations**

63100 Insurance agents and brokers

63101 Real estate agents and salespersons

63102 Financial sales representatives

### **632 Occupations in services**

#### **6320 Cooks, butchers and bakers**

63200 Cooks

63201 Butchers - retail and wholesale

63202 Bakers

#### **6321 Hairstylists and estheticians**

63210 Hairstylists and barbers

63211 Estheticians, electrologists and related occupations

#### **6322 Shoe repairers, shoemakers and upholsterers**

63220 Shoe repairers and shoemakers

63221 Upholsterers

## **64 Sales and service representatives and other customer and personal services occupations**

### **641 Retail salespersons and non-technical wholesale trade sales and account representatives**

#### **6410 Retail salespersons and non-technical wholesale trade sales and account representatives**

64100 Retail salespersons and visual merchandisers

64101 Sales and account representatives - wholesale trade (non-technical)

### **642 Occupations in personal service**

#### **6420 Occupations in personal service**

64200 Tailors, dressmakers, furriers and milliners

64201 Image, social and other personal consultants

### **643 Occupations in food, accommodation and tourism**

#### **6430 Occupations in food and beverage service**

64300 Maitres d'hôtel and hosts/hostesses

64301 Bartenders

#### **6431 Occupations in travel and accommodation**

64310 Travel counsellors

64311 Purser and flight attendants

64312 Airline ticket and service agents

64313 Ground and water transport ticket agents, cargo service representatives and related clerks

64314 Hotel front desk clerks

**6432 Tourism and amusement services occupations**

64320 Tour and travel guides

64321 Casino workers

64322 Outdoor sport and recreational guides

**644 Occupations in customer, information and protective services**

**6440 Customer and information services representatives**

64400 Customer services representatives - financial institutions

64401 Postal services representatives

64409 Other customer and information services representatives

**6441 Security guards and related security service occupations**

64410 Security guards and related security service occupations

**65 Sales and service support occupations**

**651 Sales support occupations**

**6510 Cashiers and other sales support occupations**

65100 Cashiers

65101 Service station attendants

65102 Store shelf stockers, clerks and order fillers

65109 Other sales related occupations

**652 Support occupations in food, accommodation and tourism**

**6520 Food support occupations**

65200 Food and beverage servers

65201 Food counter attendants, kitchen helpers and related support occupations

65202 Meat cutters and fishmongers - retail and wholesale

**6521 Support occupations in accommodation, travel, tourism and amusement services**

65210 Support occupations in accommodation, travel and facilities set-up services

65211 Operators and attendants in amusement, recreation and sport

**6522 Support occupations in personal services**

65220 Pet groomers and animal care workers

65229 Other support occupations in personal services

**653 Support occupations in cleaning and related services**

**6531 Cleaners**

65310 Light duty cleaners

65311 Specialized cleaners

65312 Janitors, caretakers and heavy-duty cleaners

**6532 Service support and related occupations**

65320 Dry cleaning, laundry and related occupations

65329 Other service support occupations

**7 Trades, transport and equipment operators and related occupations**

**70 Middle management occupations in trades and transportation**

**700 Middle management occupations in trades and transportation**

**7001 Managers in construction and facility operation and maintenance**

70010 Construction managers



70011 Home building and renovation managers

70012 Facility operation and maintenance managers

**7002 Managers in transportation and postal and courier services**

70020 Managers in transportation

70021 Postal and courier services managers

**72 Technical trades and transportation officers and controllers**

**720 Technical trades contractors and supervisors**

**7201 Contractors and supervisors, technical industrial, electrical and construction trades and related workers**

72010 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations

72011 Contractors and supervisors, electrical trades and telecommunications occupations

72012 Contractors and supervisors, pipefitting trades

72013 Contractors and supervisors, carpentry trades

72014 Contractors and supervisors, other construction trades, installers, repairers and servicers

**7202 Contractors and supervisors, technical maintenance trades and heavy equipment and transport operators**

72020 Contractors and supervisors, mechanic trades

72021 Contractors and supervisors, heavy equipment operator crews

72022 Supervisors, printing and related occupations

72023 Supervisors, railway transport operations

72024 Supervisors, motor transport and other ground transit operators

72025 Supervisors, mail and message distribution occupations

**721 Technical industrial trades**

**7210 Machining, metal forming, shaping and erecting trades**

72100 Machinists and machining and tooling inspectors

72101 Tool and die makers

72102 Sheet metal workers

72103 Boilermakers

72104 Structural metal and platework fabricators and fitters

72105 Ironworkers

72106 Welders and related machine operators

**722 Technical electrical trades**

**7220 Technical electrical trades and electrical power line and telecommunications workers**

72200 Electricians (except industrial and power system)

72201 Industrial electricians

72202 Power system electricians

72203 Electrical power line and cable workers

72204 Telecommunications line and cable installers and repairers

72205 Telecommunications equipment installation and cable television service technicians

**723 Technical construction trades**

**7230 Plumbers, pipefitters and gas fitters**

72300 Plumbers

72301 Steamfitters, pipefitters and sprinkler system installers

72302 Gas fitters

**7231 Carpenters and cabinetmakers**

72310 Carpenters

72311 Cabinetmakers

**7232 Bricklayers and insulators**

72320 Bricklayers

72321 Insulators

**724 Technical maintenance trades**

**7240 Machinery and transportation equipment mechanics (except motor vehicles)**

72400 Construction millwrights and industrial mechanics

72401 Heavy-duty equipment mechanics

72402 Heating, refrigeration and air conditioning mechanics

72403 Railway carmen/women

72404 Aircraft mechanics and aircraft inspectors

72405 Machine fitters

72406 Elevator constructors and mechanics

**7241 Automotive service technicians**

72410 Automotive service technicians, truck and bus mechanics and mechanical repairers

72411 Auto body collision, refinishing and glass technicians and damage repair estimators

**7242 Small engine and equipment mechanics and related repairers (including electrical components)**

72420 Oil and solid fuel heating mechanics

72421 Appliance servicers and repairers

72422 Electrical mechanics

72423 Motorcycle, all-terrain vehicle and other related mechanics

72429 Other small engine and small equipment repairers

**725 Technical equipment operation trades**

**7250 Crane operators and water well drillers**

72500 Crane operators

72501 Water well drillers

**726 Transportation officers and controllers**

**7260 Transportation officers and controllers**

72600 Air pilots, flight engineers and flying instructors

72601 Air traffic controllers and related occupations

72602 Deck officers, water transport

72603 Engineer officers, water transport

72604 Railway traffic controllers and marine traffic regulators

**729 Other technical trades**

**7299 Other technical trades**

72999 Other technical trades and related occupations

**73 General trades**

**731 General construction trades**

**7310 Concrete finishers, tilesetters and plasterers**

73100 Concrete finishers

73101 Tilesetters

73102 Plasterers, drywall installers and finishers and lathers

**7311 Roofers, glaziers, painters, decorators and floor covering installers**

73110 Roofers and shinglers

73111 Glaziers

73112 Painters and decorators (except interior decorators)

73113 Floor covering installers

### **732 Building maintenance installers, servicers and repairers**

#### **7320 Building maintenance installers, servicers and repairers**

73200 Residential and commercial installers and servicers

73201 General building maintenance workers and building superintendents

73202 Pest controllers and fumigators

73209 Other repairers and servicers

### **733 Transportation occupations**

#### **7330 Transport truck and transit drivers**

73300 Transport truck drivers

73301 Bus drivers, subway operators and other transit operators

#### **7331 Train crew operating occupations**

73310 Railway and yard locomotive engineers

73311 Railway conductors and brakemen/women

### **734 Operators, drillers and blasters**

#### **7340 Operators, drillers and blasters**

73400 Heavy equipment operators

73401 Printing press operators

73402 Drillers and blasters - surface mining, quarrying and construction

## **74 Mail and message distribution, other transport equipment operators and related maintenance workers**

### **741 Mail and message distribution occupations**

#### **7410 Mail and message distribution occupations**

74100 Mail and parcel sorters and related occupations

74101 Letter carriers

74102 Couriers and messengers

### **742 Transport equipment operators, utility maintenance and related workers**

#### **7420 Transport equipment operators, utility maintenance and related maintenance workers**

74200 Railway yard and track maintenance workers

74201 Water transport deck and engine room crew

74202 Air transport ramp attendants

74203 Automotive and heavy truck and equipment parts installers and servicers

74204 Utility maintenance workers

74205 Public works maintenance equipment operators and related workers

## **75 Helpers and labourers and other transport drivers, operators and labourers**

### **751 Helpers and labourers**

#### **7510 Longshore workers and material handlers**

75100 Longshore workers

75101 Material handlers

#### **7511 Trades helpers and labourers**

75110 Construction trades helpers and labourers

75119 Other trades helpers and labourers

### **752 Transport drivers, operators and labourers**

#### **7520 Taxi, personal service and delivery service drivers**

75200 Taxi and limousine drivers and chauffeurs

75201 Delivery service drivers and door-to-door distributors

**7521 Water and rail transport operators and labourers and related occupations**

75210 Boat and cable ferry operators and related occupations

75211 Railway and motor transport labourers

75212 Public works and maintenance labourers

**8 Natural resources, agriculture and related production occupations**

**80 Middle management occupations in production and agriculture**

**800 Middle management occupations in production and agriculture**

**8001 Managers in natural resources production and fishing**

80010 Managers in natural resources production and fishing

**8002 Managers in agriculture, horticulture and aquaculture**

80020 Managers in agriculture

80021 Managers in horticulture

80022 Managers in aquaculture

**82 Supervisors in natural resources, agriculture and related production**

**820 Supervisors in natural resources, agriculture and related production**

**8201 Supervisors, logging and forestry**

82010 Supervisors, logging and forestry

**8202 Contractors and supervisors, mining, oil and gas**

82020 Supervisors, mining and quarrying

82021 Contractors and supervisors, oil and gas drilling and services

**8203 Contractors and supervisors, agriculture, horticulture and related operations and services**

82030 Agricultural service contractors and farm supervisors

82031 Contractors and supervisors, landscaping, grounds maintenance and horticulture services

**83 Occupations in natural resources and related production**

**831 Occupations in natural resources and fisheries**

**8310 Underground miners, oil and gas drillers and related occupations**

83100 Underground production and development miners

83101 Oil and gas well drillers, servicers, testers and related workers

**8311 Logging machinery operators**

83110 Logging machinery operators

**8312 Fishing vessel masters and fishermen/women**

83120 Fishing masters and officers

83121 Fishermen/women

**84 Workers in natural resources, agriculture and related production**

**841 Workers in natural resources and fisheries**

**8410 Mine service workers and operators in oil and gas drilling**

84100 Underground mine service and support workers

84101 Oil and gas well drilling and related workers and services operators

**8411 Logging and forestry workers**

84110 Chain saw and skidder operators

84111 Silviculture and forestry workers

**8412 Workers in agriculture and fishing occupations**

84120 Specialized livestock workers and farm machinery operators

84121 Fishing vessel deckhands

**85 Harvesting, landscaping and natural resources labourers****851 Harvesting, landscaping and natural resources labourers****8510 Agriculture, horticulture and harvesting labourers and related occupations**

85100 Livestock labourers

85101 Harvesting labourers

85102 Aquaculture and marine harvest labourers

85103 Nursery and greenhouse labourers

85104 Trappers and hunters

**8511 Mine and oil and gas drilling, services and related labourers**

85110 Mine labourers

85111 Oil and gas drilling, servicing and related labourers

**8512 Logging, forestry, landscaping and other related labourers**

85120 Logging and forestry labourers

85121 Landscaping and grounds maintenance labourers

**9 Occupations in manufacturing and utilities****90 Middle management occupations in manufacturing and utilities****900 Middle management occupations in manufacturing and utilities****9001 Managers in manufacturing and utilities**

90010 Manufacturing managers

90011 Utilities managers

**92 Processing, manufacturing and utilities supervisors and utilities operators and controllers****920 Supervisors, processing, manufacturing, assembly and fabrication occupations****9201 Supervisors, processing and manufacturing occupations**

92010 Supervisors, mineral and metal processing

92011 Supervisors, petroleum, gas and chemical processing and utilities

92012 Supervisors, food and beverage processing

92013 Supervisors, plastic and rubber products manufacturing

92014 Supervisors, forest products processing

92015 Supervisors, textile, fabric, fur and leather products processing and manufacturing

**9202 Supervisors, assembly and fabrication**

92020 Supervisors, motor vehicle assembling

92021 Supervisors, electronics and electrical products manufacturing

92022 Supervisors, furniture and fixtures manufacturing

92023 Supervisors, other mechanical and metal products manufacturing

92024 Supervisors, other products manufacturing and assembly

**921 Utilities equipment operators and controllers****9210 Utilities equipment operators and controllers**

92100 Power engineers and power systems operators

92101 Water and waste treatment plant operators

**93 Central control and process operators and aircraft assembly assemblers and inspectors****931 Central control and process operators in processing and manufacturing****9310 Central control and process operators in processing and manufacturing**

93100 Central control and process operators, mineral and metal processing

93101 Central control and process operators, petroleum, gas and chemical processing

93102 Pulping, papermaking and coating control operators

**932 Aircraft assemblers and aircraft assembly inspectors**

**9320 Aircraft assemblers and aircraft assembly inspectors**

93200 Aircraft assemblers and aircraft assembly inspectors

**94 Machine operators, assemblers and inspectors in processing, manufacturing and printing**

**941 Processing and manufacturing machine operators and related production workers**

**9410 Machine operators and related workers in mineral and metal products processing and manufacturing**

94100 Machine operators, mineral and metal processing

94101 Foundry workers

94102 Glass forming and finishing machine operators and glass cutters

94103 Concrete, clay and stone forming operators

94104 Inspectors and testers, mineral and metal processing

94105 Metalworking and forging machine operators

94106 Machining tool operators

94107 Machine operators of other metal products

**9411 Machine operators and related workers in chemical, plastic and rubber processing**

94110 Chemical plant machine operators

94111 Plastics processing machine operators

94112 Rubber processing machine operators and related workers

**9412 Machine operators and related workers in pulp and paper production and wood processing and manufacturing**

94120 Sawmill machine operators

94121 Pulp mill, papermaking and finishing machine operators

94122 Paper converting machine operators

94123 Lumber graders and other wood processing inspectors and graders

94124 Woodworking machine operators

94129 Other wood processing machine operators

**9413 Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing**

94130 Textile fibre and yarn, hide and pelt processing machine operators and workers

94131 Weavers, knitters and other fabric making occupations

94132 Industrial sewing machine operators

94133 Inspectors and graders, textile, fabric, fur and leather products manufacturing

**9414 Machine operators and related workers in food, beverage and associated products processing**

94140 Process control and machine operators, food and beverage processing

94141 Industrial butchers and meat cutters, poultry preparers and related workers

94142 Fish and seafood plant workers

94143 Testers and graders, food and beverage processing

**9415 Printing equipment operators and related occupations**

94150 Plateless printing equipment operators

94151 Camera, platemaking and other prepress occupations

94152 Binding and finishing machine operators

94153 Photographic and film processors

**942 Assemblers and inspectors in manufacturing**

**9420 Mechanical, electrical and electronics assemblers and inspectors**

- 94200 Motor vehicle assemblers, inspectors and testers
- 94201 Electronics assemblers, fabricators, inspectors and testers
- 94202 Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing
- 94203 Assemblers, fabricators and inspectors, industrial electrical motors and transformers
- 94204 Mechanical assemblers and inspectors
- 94205 Machine operators and inspectors, electrical apparatus manufacturing

**9421 Furniture, wood, plastic and other products assemblers, finishers and inspectors**

- 94210 Furniture and fixture assemblers, finishers, refinishers and inspectors
- 94211 Assemblers and inspectors of other wood products
- 94212 Plastic products assemblers, finishers and inspectors
- 94213 Industrial painters, coaters and metal finishing process operators
- 94219 Other products assemblers, finishers and inspectors

**95 Labourers in processing, manufacturing and utilities****951 Labourers in processing, manufacturing and utilities****9510 Labourers in processing, manufacturing and utilities**

- 95100 Labourers in mineral and metal processing
- 95101 Labourers in metal fabrication
- 95102 Labourers in chemical products processing and utilities
- 95103 Labourers in wood, pulp and paper processing
- 95104 Labourers in rubber and plastic products manufacturing
- 95105 Labourers in textile processing and cutting
- 95106 Labourers in food and beverage processing
- 95107 Labourers in fish and seafood processing
- 95109 Other labourers in processing, manufacturing and utilities

## Classification description

### 0 Legislative and senior management occupations

This broad category comprises legislators and senior management occupations.

#### 00 Legislative and senior managers

This major group comprises senior management occupations, including legislators and senior managers in the public and private sectors.

#### 000 Legislative and senior managers

This sub-major group comprises legislators and senior management occupations in the public and private sectors.

#### 0001 Legislative and senior managers

This minor group comprises legislators and senior management occupations in the public and private sectors. They are employed by federal, provincial, territorial and local government legislative bodies, executive councils, band councils and school boards; municipal and regional governments and provincial, territorial and federal departments, boards, agencies and commissions; and throughout the private sector.

#### 00010 Legislators

Legislators participate in the activities of a federal, provincial, territorial or local government legislative body or executive council, band council or school board as elected or appointed members.

##### *Illustrative example(s)*

- cabinet minister
- city councillor
- First Nations band chief
- governor general
- lieutenant-governor
- mayor
- Member of Legislative Assembly (MLA)
- Member of Parliament (MP)
- Member of the National Assembly (MNA)
- Member of the Provincial Parliament (MPP)
- premier
- prime minister
- school board trustee
- senator

##### *Exclusion(s)*

- Chief executive officer (CEO) - health, education, social and community services and membership organizations (See 00013-Senior managers - health, education, social and community services and membership organizations)
- Commissioner - government services (See 00011-Senior government managers and officials)



*Main duties*

This group performs some or all of the following duties:

- Enact, amend or repeal laws and regulations
- Participate in developing or amending government policies, programs or procedures
- Represent their government at local, national and international meetings and conferences
- Respond to matters of concern to constituents or the general public
- May serve as minister responsible for a government department or agency and direct senior government managers and officials in the implementation of government policy and the management of that department or agency.

*Employment requirements*

- Election to a legislative body, or appointment to positions such as senator, lieutenant-governor or governor general, is required.

**00011 Senior government managers and officials**

Senior government managers and officials plan, organize, direct, control and evaluate, through middle managers, the major activities of municipal or regional governments or of provincial, territorial or federal departments, boards, agencies or commissions. They establish the direction to be taken by these organizations in accordance with legislation and policies made by elected representatives or legislative bodies.

*Illustrative example(s)*

- assistant deputy minister
- chief administrative officer - regional municipality
- chief statistician - government services
- city administrator
- deputy minister
- director general - government services
- executive director - government services
- high commissioner
- Human Rights Commission chairperson

*Inclusion(s)*

- county clerk
- town clerk

*Exclusion(s)*

- Legislators (00010)
- Managers in public administration (4001)

*Main duties*

This group performs some or all of the following duties:

- Establish objectives for the organization in accordance with government legislation and policy, formulate or approve and evaluate programs and procedures alone or in conjunction with senior government committees

- Advise elected representatives on policy questions and refer major policy matters to these representatives for final decision
- Recommend, review, evaluate and approve documents, briefs and reports submitted by middle managers and senior staff members
- Coordinate department activities with other senior government managers and officials
- Make presentations to legislative and other government committees regarding policies, programs or budgets
- Allocate human and financial resources to implement organizational policies and programs
- Establish financial and administrative controls.

#### *Employment requirements*

- A university degree or college diploma is usually required.
- A graduate degree in a related field may be required.
- Several years of managerial experience in the public or private sector are required.

#### *Additional information*

- There is mobility among senior management occupations.

### **00012 Senior managers - financial, communications and other business services**

Senior managers in financial, communications and other business services are usually appointed by a board of directors, to which they report. They work either alone or in conjunction with the board of directors to develop and establish objectives for the company, and to develop or approve policies and programs. They plan, organize, direct, control and evaluate, through middle managers, the operations of their organization in relation to established objectives. They work in establishments throughout the telecommunications, finance, insurance, real estate, and data processing, hosting and related services industries as well as other business service industries or they may own and operate their own business.

#### *Illustrative example(s)*

- advertising agency president
- bank president
- chief executive officer (CEO) - telephone company
- chief financial officer (CFO) - advertising agency
- chief operating officer - engineering firm
- computing services company president
- credit union executive director
- executive vice-president - real estate agency
- general manager - real estate management company
- human resources vice-president - bank
- marketing vice-president - clerical staff services
- operations vice-president - satellite communication services
- president and chief executive officer - financial, communications and other business services
- trust company regional vice-president

*Exclusion(s)*

- Managers in communication (except broadcasting) (1003)
- Managers in engineering, architecture, science and information systems (2001)
- Managers in financial and business services (1002)

*Main duties*

This group performs some or all of the following duties:

- Determine the company's mission and strategic direction as conveyed through policies and concrete objectives which are met through the effective management of human, financial and material resources
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement organizational policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall human resources planning
- Select middle managers, directors or other executive staff; delegate the necessary authority to them and create optimum working conditions
- Represent the organization, or delegate representatives to act on behalf of the organization, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing or human resources or in a particular service area.

*Employment requirements*

- A university degree in business administration, commerce, computer science or other discipline related to the service provided is usually required.
- Several years of experience as a middle manager in financial, communications or other business services are usually required.
- Specialization in a particular functional area or service is possible through specific university training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting or financial designation.

*Additional information*

- There is mobility among senior management occupations.

### **00013 Senior managers - health, education, social and community services and membership organizations**

Senior managers in health, education, social and community services and membership organizations plan, organize, direct, control and evaluate, through middle managers, membership and other organizations or institutions that deliver health, education, social or community services. They formulate policies which establish the direction to be taken by these organizations, either alone or in conjunction with a board of directors. They are employed in health care organizations, educational services, social and community services and membership organizations or they may own and operate their own business.

*Illustrative example(s)*

- arts and culture association chairperson
- automobile association executive director
- business association president

- educational institution chief financial officer (CFO)
- health services institution executive director
- labour organization president
- membership organization general manager
- music guild president
- professional association executive director
- scientific association chairperson
- social services institution corporate controller
- voluntary organization executive director

#### *Exclusion(s)*

- Administrators - post-secondary education and vocational training (40020)
- Government managers - education policy development and program administration (40012)
- Government managers - health and social policy development and program administration (40010)
- Managers in health care (30010)
- Managers in social, community and correctional services (40030)
- Other managers in public administration (40019)
- School principals and administrators of elementary and secondary education (40021)

#### *Main duties*

This group performs some or all of the following duties:

- Establish objectives for the organization or institution and formulate or approve policies and programs
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement organizational policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall personnel planning
- Select middle managers, directors or other executive staff
- Coordinate the work of regions, divisions or departments
- Represent the organization, or delegate representatives to act on behalf of the organization, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing, human resources or in a particular service area.

#### *Employment requirements*

- A university degree or college diploma in business administration, hospital administration, finance or other discipline related to the service provided is usually required.
- Several years of experience as a middle manager in a related institution or organization are usually required.
- Specialization in a particular functional area or service is possible through specific university or college training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting designation.

#### *Additional information*

- There is mobility among senior management occupations.

## 00014 Senior managers - trade, broadcasting and other services

Senior managers in trade, broadcasting and other customer services plan, organize, direct, control and evaluate, through middle managers, trade, broadcasting and other service industry companies. They formulate policies which establish the direction to be taken by these companies, either alone or in conjunction with a board of directors. They work in establishments in broadcasting and related media services, wholesale trade, retail trade, accommodation and food service, and other services or they may own and operate their own business.

### *Illustrative example(s)*

- cleaning service general manager
- department store president
- engineering vice-president - television broadcasting services
- finance vice-president - food wholesaling
- hotel chain regional vice-president
- marketing vice-president - grocery store chain
- operations vice-president - radio broadcasting services
- professional sports club chief financial officer (CFO)
- restaurant chain corporate controller
- travel agency chief executive officer (CEO)

### *Exclusion(s)*

- Managers in art, culture, recreation and sport (5001)
- Managers in customer and personal services (60040)
- Managers in food service and accommodation (6003)
- Retail and wholesale trade managers (6002)

### *Main duties*

This group performs some or all of the following duties:

- Establish objectives for the company and formulate or approve policies and programs
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement organizational policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall personnel planning
- Select middle managers, directors or other executive staff
- Coordinate the work of regions, divisions or departments
- Represent the company, or delegate representatives to act on behalf of the company, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing or human resources or in the sale of a particular product or provision of a particular service.

### *Employment requirements*

- A university degree or college diploma in business administration, finance or other discipline related to the service provided is usually required.
- Several years of experience as a middle manager in trade, broadcasting or other service are usually required.

- Specialization in a particular functional area or service is possible through specific university or college training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting designation.

#### *Additional information*

- There is mobility among senior management occupations.

### **00015 Senior managers - construction, transportation, production and utilities**

Senior managers in construction, transportation, production and utilities plan, organize, direct, control and evaluate, through middle managers, the overall operations of goods production, utility, transportation and construction companies. They formulate policies which establish the direction to be taken by these companies, either alone or in conjunction with other members of a board of directors. They work in establishments throughout the following industries: fishing, forestry, logging and agriculture; mining, oil and gas extraction; construction; transportation and warehousing; printing; manufacturing; and utilities or they may own and operate their own business.

#### *Illustrative example(s)*

- chief executive officer (CEO) - manufacturing company
- chief financial officer (CFO) - urban transit system
- executive vice-president - railway
- finance vice-president - mining company
- logging company corporate controller
- marketing vice-president - airline
- operations vice-president - electric power company
- petroleum production company regional vice-president
- publishing house general manager
- residential construction company president
- trucking company general manager

#### *Exclusion(s)*

- Managers in construction and facility operation and maintenance (7001)
- Managers in manufacturing and utilities (9001)
- Managers in natural resources production and fishing (80010)

#### *Main duties*

This group performs some or all of the following duties:

- Establish objectives for the company and formulate or approve policies and programs
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement company policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall personnel planning
- Select middle managers, directors or other executive staff
- Coordinate the work of regions, divisions or departments

- Represent the company, or delegate representatives to act on behalf of the company, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing or human resources or in a particular product area.

#### *Employment requirements*

- A university degree or college diploma in engineering, business administration, commerce or other discipline related to the company's product is usually required.
- Several years of experience as a middle manager in goods production, utilities, transportation or construction are usually required.
- Specialization in a particular functional area or product is possible through specific university or college training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting designation.

#### *Additional information*

- There is mobility among senior management occupations.

## **1 Business, finance and administration occupations**

This broad category comprises specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting), as well as professional occupations in finance and business; administrative and financial supervisors and specialized administrative occupations; administrative occupations and transportation logistics occupations; and administrative and financial support and supply chain logistics occupations.

### **10 Specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting)**

This major group comprises specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting). These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

#### **100 Specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting)**

This sub-major group comprises specialized middle management occupations in administrative services, financial and business services and communication (except broadcasting).

##### **1001 Administrative services managers**

This minor group comprises administrative services managers, including financial managers, human resources managers, purchasing managers and other administrative services managers. They are employed throughout the public and private sectors.

###### **10010 Financial managers**

Financial managers plan, organize, direct, control and evaluate the operation of financial and accounting departments. They develop and implement the financial policies and systems of establishments. Financial managers establish performance standards and prepare various financial reports for senior management. They are employed in financial and accounting departments in companies throughout the public and private sectors and in government.

###### *Illustrative example(s)*

- controller - financial services
- director - financial services
- director of accounting
- finance director
- financial administrator
- financial control manager
- financial planning and analysis manager
- internal audit services manager
- treasurer

###### *Inclusion(s)*

- corporate risk department manager
- pension plans administrator
- pension services manager



*Exclusion(s)*

- Accounting firm manager (See 10029-Other business services managers)
- Audit firm manager (See 10029-Other business services managers)
- Banking, credit and other investment managers (10021)
- Senior managers - financial, communications and other business services (00012)

*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operation of an accounting, audit or other financial department
- Develop and implement the financial policies, systems and procedures of an establishment
- Prepare or coordinate the preparation of financial statements, summaries, and other cost-benefit analyses and financial management reports
- Coordinate the financial planning and budget process, and analyze and correct estimates
- Supervise the development and implementation of financial simulation models
- Evaluate financial reporting systems, accounting procedures and investment activities and make recommendations for changes to procedures, operating systems, budgets and other financial control functions to senior managers and other department or regional managers
- Recruit, organize, train and manage staff
- Act as liaison between the organization and its shareholders, the investing public and external financial analysts
- Establish profitability standards for investment activities and handle mergers and/or acquisitions
- Notify and report to senior management concerning any trends that are critical to the organization's financial performance.

*Employment requirements*

- A bachelor's degree in business administration, economics, commerce or a related field is required.
- A master's degree in business administration (concentration in finance), or another master's level management program may be required.
- Several years of experience in accounting, auditing, budgeting, financial planning and analysis or other financial activities are required.
- Accounting and audit managers may require a recognized accounting designation (CPA, CA, CPA, CMA or CPA, CGA).
- Investment, treasury, or corporate finance managers may require a recognized financial designation (CFA, CFP, CIM or others).

*Additional information*

- Progression to senior management positions, such as vice-president of finance, is possible with experience.

**10011 Human resources managers**

Human resources managers plan, organize, direct, control and evaluate the operations of human resources and personnel departments, and develop and implement policies, programs and procedures regarding human resource planning, recruitment, collective bargaining, training and development, occupation classification and pay and benefit administration. They represent management and participate actively on various joint committees to

maintain ongoing relations between management and employees. They are employed throughout the private and public sectors.

*Illustrative example(s)*

- employer-employee relations manager
- human resources manager
- industrial relations manager
- occupational health and safety manager
- pay and benefits manager
- personnel director
- personnel services manager
- personnel training and development manager
- recruiting manager
- staff relations manager

*Exclusion(s)*

- Human resources and recruitment officers (12101)
- Human resources professionals (11200)

*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of human resources or personnel departments
- Plan human resource requirements in conjunction with other departmental managers
- Coordinate internal and external training and recruitment activities
- Develop and implement labour relations policies and procedures and negotiate collective agreements
- Administer employee development, language training and health and safety programs
- Advise and assist other departmental managers on interpretation and administration of personnel policies and programs
- Oversee the classification and rating of occupations
- Organize and conduct employee information meetings on employment policy, benefits and compensation and participate actively on various joint committees
- Direct the organization's quality management program
- Ensure compliance with legislation such as the Pay Equity Act.

*Employment requirements*

- A bachelor's degree in a field related to personnel management, such as business administration, industrial relations, commerce or psychology  
or  
Completion of a professional development program in personnel administration is required.
- Several years of experience as a personnel officer or human resource specialist are required.
- Some employers may require human resources managers to hold a Certified Human Resources Professional (CHRP) designation.

*Additional information*

- Progression to senior management positions is possible with experience.
- Other joint committees led by human resources managers may focus on issues such as alcohol or drug addiction.

**10012 Purchasing managers**

Purchasing managers plan, organize, direct, control and evaluate the activities of a purchasing department and develop and implement the purchasing policies of a business or institution. They are employed throughout the public and private sectors.

*Illustrative example(s)*

- contract manager
- food purchasing manager
- material manager
- procurement director
- purchasing contracts manager
- purchasing director
- supply chain logistics manager

*Exclusion(s)*

- Procurement and purchasing agents and officers (12102)
- Retail and wholesale buyers (62101)
- Warehousing manager (See 70012-Facility operation and maintenance managers)

*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the purchasing activities of an establishment
- Develop purchasing policies and procedures and control purchasing department budget
- Identify vendors of materials, equipment or supplies
- Evaluate cost and quality of goods or services
- Negotiate or oversee the negotiation of purchase contracts
- Participate in the development of specifications for equipment, products or substitute materials
- Review and process claims against suppliers
- Interview, hire and oversee training of staff.

*Employment requirements*

- A bachelor's degree or college diploma in business administration, commerce or economics is usually required.
- Purchasing managers responsible for units purchasing specialized materials or business services may require a related degree or diploma. For example, a bachelor's degree or college diploma in engineering may be required for purchasing managers responsible for purchasing industrial products.
- The designation Supply Chain Management Professional (SCMP) or registration in the educational program of the Supply Chain Management Association may be required.
- Several years of experience as a purchasing agent or officer are required.

## 10019 Other administrative services managers

Other administrative services managers plan, organize, direct, control and evaluate departments responsible for corporate governance and regulatory compliance, records management, security services, admissions and other administrative services. Also included in this unit group are managers responsible for departments involved in two or more of the following activities: finance, human resources, purchasing or administrative services. Managers in this unit group are employed throughout the public and private sectors.

### *Illustrative example(s)*

- administrative services chief
- administrative services manager
- business manager - non-profit organization
- court registrar
- court services manager
- inventory control manager
- records administrator
- regional administrative manager
- security manager
- support services manager
- Supreme Court registrar

### *Exclusion(s)*

- Computer and information systems managers (20012)
- Court clerks and related court services occupations (14103)
- Facility operation and maintenance managers (70012)
- Financial managers (10010)
- Human resources managers (10011)
- Purchasing managers (10012)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a department providing a single administrative service or several administrative services
- Direct and advise staff engaged in providing records management, security, finance, purchasing, human resources or other administrative services
- Direct and control corporate governance and regulatory compliance procedures within the establishment
- Plan, administer and control budgets for contracts, equipment and supplies
- Prepare reports and briefs for management committees evaluating administrative services
- Interview, hire and oversee training for staff.

### *Employment requirements*

- A bachelor's degree or college diploma in business administration or a related administrative services field is usually required.
- Several years of experience at a professional level in business administration, finance or administrative services are usually required.

- An Associate of the Institute of Chartered Secretaries and Administrators (ACIS), Fellow of the Institute of Chartered Secretaries and Administrators (FCIS) or a Professional Administrator (P Adm) designation may be required for some occupations in this group.
- Certification in health information management by the Canadian Health Information Management Association (CHIMA) may be required.
- In Quebec, certification with the Association québécoise des archivistes médicales may be required.
- Court registrars employed by the higher courts may require judicial credentials.

#### *Additional information*

- Duties of court registrars can include those of other court services occupations such as court administrator and “Court Clerks” (14103) depending on the location and size of the courthouse.
- Court registrars in the higher courts may also perform various judicial duties.

## **1002 Managers in financial and business services**

This minor group comprises managers in financial and business services, including insurance, real estate and financial brokerage managers; banking, credit and other investment managers; advertising, marketing and public relations managers and professionals; and other business services managers. They are employed by insurance companies, real estate firms, stockbrokers, investment dealers, mortgage brokers and security and commodity exchanges; banks, trust companies and credit unions; credit departments in department stores and other industrial and commercial organizations; credit card, consumer loan, mutual fund, mortgage and other loan, financing and investment companies; government departments; advertising, marketing and public relations firms and consulting businesses; and other establishments that provide services to business.

### **10020 Insurance, real estate and financial brokerage managers**

Insurance, real estate and financial brokerage managers plan, organize, direct, control and evaluate the activities of departments or establishments that provide insurance, mortgage, real estate and investment services. They are generally responsible for business development and must ensure that their group reaches performance levels related to established objectives. They are employed by insurance companies, real estate firms, stockbrokers, investment dealers, mortgage brokers and security and commodity exchanges.

#### *Illustrative example(s)*

- bond sales manager
- brokerage manager - investments
- commodities trading manager
- financial brokerage manager
- insurance claims service manager
- insurance manager
- investment manager - financial brokerage
- mortgage broker manager
- real estate service manager
- securities sales director
- trading floor manager

#### *Inclusion(s)*

- real estate developer

### *Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Banking, credit and other investment managers (10021)
- Financial managers (10010)
- Other business services managers (10029)
- Senior managers - financial, communications and other business services (00012)

### *Main duties*

This group performs some or all of the following duties:

#### Insurance managers

- Plan, organize, direct, control and evaluate the operations of an establishment or department that provides automobile, fire, life, property or other types of insurance services.

#### Real estate service managers

- Plan, organize, direct, control and evaluate the operations of an establishment or department that buys, sells and leases residential and commercial properties for clients.

#### Mortgage broker managers

- Plan, organize, direct, control and evaluate the operations of an establishment or department that finds lenders or lending institutions on behalf of clients seeking a mortgage.

#### Securities managers

- Plan, organize, direct, control and evaluate the operations of an establishment or department that buys and sells stocks, bonds and other forms of investments on behalf of individual or institutional clients and manage the investments of their own clients.

### *Employment requirements*

A university degree or college diploma in business administration, economics or other related field is usually required.

- Several years of experience within the appropriate industry are usually required.
- Licensure appropriate to the service sold, such as real estate, mortgage, securities or insurance, may be required.
- In the securities and investment industries, a recognized financial designation may be required (CFA, CFP, CIM or others).
- In the insurance industry, a recognized professional designation is usually required.

### *Additional information*

- There is no mobility between the different types of managers in this unit group.
- Progression to senior management positions is possible with experience.

## **10021 Banking, credit and other investment managers**

Banking, credit and other investment managers plan, organize, direct, control and evaluate the activities of financial establishments or operational departments within such establishments, or credit departments in industrial and commercial establishments. They oversee business development and manage overall performance in accordance with established strategic directions and policies. Banking managers are employed by banks,

trust companies and credit unions. Credit managers are employed by credit departments in department stores, utility companies, car dealerships, insurance companies or other industrial or commercial organizations. Other investment managers are employed by credit card companies, consumer loan companies, mutual fund investment firms, mortgage investment companies or other financial establishments concerned with extending loans and financing and investments.

#### *Illustrative example(s)*

- assistant operations manager - banking, credit and investment
- bank manager
- banking operations manager
- collection centre manager
- commercial banking manager
- corporate banking centre manager
- corporate services manager - banking, credit and investment
- credit card centre manager
- credit card company operations manager
- credit manager
- credit union manager
- mortgage and consumer credit manager
- personal services manager - banking, credit and investment
- regional collection manager
- trust company manager

#### *Exclusion(s)*

- Mortgage broker manager (See 10020-Insurance, real estate and financial brokerage managers)
- Other business services managers (10029)
- Senior managers - financial, communications and other business services (00012)

#### *Main duties*

This group performs some or all of the following duties:

##### Banking managers

- Plan, organize, direct, control and evaluate the branch operations of a bank, trust company, credit union or similar financial institution or of a department in such an institution responsible for administering personal and commercial loans, buying and selling securities, operating investment funds, administering trusts, settling estates or other related activities
- Ensure the institution's policies and procedures are followed according to established guidelines and make recommendations for improvement
- Network to develop business relations, promote the sale of loan, investment and other banking services and attract corporate and individual customers
- Interview corporate and individual customers and respond to customer enquiries
- Analyze, review and approve or reject loan and credit applications in accordance with authorized limits
- Monitor processing of loan applications and credit investigations
- Oversee preparation of monthly financial and branch progress reports
- Recruit personnel and identify their training needs.

### Credit managers

- Plan, organize, direct, control and evaluate the activities of a credit department in an industrial or commercial organization
- Administer corporate, commercial and personal loan accounts
- Advise customers on the commercial and personal financial services corresponding to their needs
- Evaluate and review loan and credit applications and collateral and make recommendations
- Approve or reject credit applications, establish credit limits and determine repayment plans or schedules in accordance with authorized limits
- Ensure collection of overdue or delinquent accounts
- Ensure credit policies and procedures are followed according to established guidelines and applicable legislation
- Prepare credit and loan reports
- Recruit credit personnel and identify their training needs.

### *Employment requirements*

- A university degree or college diploma in business administration, commerce, economics or a related field is usually required.
- A master's degree in business administration, finance or management science may be required for the management of large commercial loans.
- A recognized financial designation may be required (CFA, CFP, CIM or others).
- Completion of company or other management training programs is usually required.
- Several years of experience within the industry, including supervisory experience, are required.

### *Additional information*

- Progression to senior management positions in this field is possible with experience.

## **10022 Advertising, marketing and public relations managers**

Advertising, marketing, public relations and e-business managers plan, organize, direct, control and evaluate the activities of establishments and departments involved in commercial, industrial and e-business advertising, marketing and public relations. They are employed by commercial and industrial establishments, government departments, and advertising, marketing and public relations firms or consulting businesses.

### *Illustrative example(s)*

- advertising director
- advertising manager
- electronic business (e-business) manager
- fundraising campaign manager
- Internet communications manager
- marketing manager
- media relations director
- promotions manager
- public relations director
- sales and marketing manager



- Web communications manager
- Web marketing manager

### *Exclusion(s)*

- Business development officers and market researchers and analysts (41402)
- Conference and event planners (12103)
- Corporate sales managers (60010)
- Professional occupations in advertising, marketing and public relations (11202)
- Retail and wholesale trade managers (60020)
- Retail sales supervisors (62010)
- Sales and account representatives - wholesale trade (non-technical) (64101)
- Senior managers - trade, broadcasting and other services (00014)
- Technical sales specialists - wholesale trade (62100)

### *Main duties*

This group performs some or all of the following duties:

#### Advertising managers

- Plan, direct and evaluate the activities of firms and departments that develop and implement advertising campaigns to promote the sales of products and services.

#### Marketing managers

- Establish distribution networks for products and services, initiate market research studies and analyze their findings, assist in product development, and direct and evaluate the marketing strategies of establishments.

#### Public relations managers

- Direct and evaluate establishments and departments that develop and implement communication strategies and information programs, publicize activities and events, and maintain media relations on behalf of businesses, governments and other organizations.

#### E-business marketing managers

- Plan, organize, direct, control and evaluate the design, development and maintenance of Internet, Intranet and mobile applications to manage an organization's online business model and strategy
- Collaborate with advertising, marketing, and public relations teams to plan, develop, evaluate and manage an organization's online presence including public relations, communications, marketing, commercial activities and social media management.

### *Employment requirements*

#### Advertising and public relations managers

- A university degree or college diploma in communications, public relations, marketing, journalism or in a related field  
and  
Several years of experience in an advertising, public relations or communications officer position or in a related occupation are required.

### Marketing managers

- A university degree or college diploma in business administration or in a related field with a specialization in sales or marketing  
and  
Several years of experience as a sales, marketing or public relations representative or in a related occupation are required.

### E-business managers

- A university degree or college diploma in a field related to electronic commerce, Web site content development, or Internet and mobile services  
and  
Experience in Web site design, interactive media development, data administration or information systems analysis or experience related to Web site content are usually required.

### *Additional information*

- Progression to senior management positions is possible with experience.

## **10029 Other business services managers**

Other business services managers plan, organize, direct, control and evaluate the operations of establishments that provide services to business, and ensure the quality of those services and client satisfaction. They work in fields such as management consulting, market research, personnel and payroll services, contact centre services and security services.

### *Illustrative example(s)*

- accounting firm manager
- contact centre manager
- employment agency manager
- energy asset joint venture manager
- legal firm manager
- management consulting service manager
- market research service manager
- nursing registry manager
- payroll service manager
- personnel agency manager
- professional services manager - business services
- security service manager

### *Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Architecture and science managers (20011)
- Banking, credit and other investment managers (10021)
- Computer and information systems managers (20012)
- Engineering managers (20010)
- Insurance, real estate and financial brokerage managers (10020)
- Senior managers - financial, communications and other business services (00012)

*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of establishments that provide services to business such as management consulting, market research, personnel and payroll services, contact centre services and security services
- Plan, develop and organize the policies and procedures of these establishments
- Develop action plans, provide expertise in response to client needs, and support and advise project teams
- Direct and advise staff in the development and implementation of service quality assessment strategies
- Plan, administer and control budgets for client projects, contracts, equipment and supplies
- Represent the company within various economic and social organizations
- Assist staff with administrative or technical problems
- Hire, train and supervise staff.

*Employment requirements*

- A bachelor's degree or college diploma in a field related to the business service provided is usually required.
- Several years of experience in a field related to the business service provided are usually required.
- Licences, certificates or registration may be required for some business services managers. For example, accounting firm managers usually require accounting certification.
- University studies in business administration may be required.

**1003 Managers in communication (except broadcasting)**

This minor group comprises managers in communication other than broadcasting, including telecommunication carriers managers. They are employed by wired, wireless, satellite and other telecommunication carriers.

**10030 Telecommunication carriers managers**

Telecommunication carriers managers plan, organize, direct, control and evaluate the operations of a telecommunications establishment, department or facility. They are employed by wired, wireless, satellite and other telecommunications carriers.

*Illustrative example(s)*

- microwave facilities manager - telecommunications
- network installation manager - telecommunications
- network operations manager - telecommunications
- network services manager - telecommunications
- operations and transmission services manager - telecommunications
- regional manager - telecommunications system
- switching systems director - telecommunications
- telecommunications facilities manager
- telecommunications installation manager
- telecommunications manager
- telecommunications services manager
- telephone company district manager

### *Exclusion(s)*

- Broadcasting manager (See 50011-Managers - publishing, motion pictures, broadcasting and performing arts)
- Senior managers - financial, communications and other business services (00012)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a telecommunications establishment, department or facility
- Consult with senior managers to establish policies concerned with the development, operation and maintenance of telecommunications services
- Direct and control telecommunications traffic volume and flow within assigned areas, through subordinate supervisors and technical staff
- Analyze and evaluate telecommunications installation, operation and maintenance services and make recommendations for improvement
- Ensure compliance with telecommunications regulations and directives of government regulatory agencies
- Liaise with representatives of related or connecting companies to resolve joint telecommunications problems and ensure efficient telecommunications system operations
- Recruit personnel and oversee their training.

### *Employment requirements*

- A university degree in science, electrical engineering or a related field is usually required.
- Several years of experience in a related technical profession, including supervisory experience, are usually required.

### *Additional information*

- Progression to senior management positions in telecommunications is possible with experience.

## **11 Professional occupations in finance and business**

This major group comprises professional occupations in finance and business. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 1. Occupations classified in TEER 1, as those in this group with a 1 as the second digit of their code, typically require a university degree (bachelor's, master's or doctorate) or the accumulation of several years of experience and expertise in the subject matter knowledge in a related occupation found in TEER 2 (which includes occupations with a 2 as a second digit in their code).

### **111 Professional occupations in finance**

This sub-major group comprises professional occupations in finance, including auditors, accountants, investment professionals and other financial officers.

#### **1110 Auditors, accountants and investment professionals**

This minor group comprises auditors, accountants and investment professionals such as financial auditors and accountants, financial and investment analysts, financial advisors, securities agents, investment dealers and brokers, and other financial officers. These professionals are employed by auditing and accounting firms; banks and insurance, underwriting, investment, fund management and trust companies; utility and manufacturing

companies; stock brokerage firms, stock and commodity exchanges and other establishments in the securities industry; and throughout the public and private sectors; or they may be self-employed.

## 11100 Financial auditors and accountants

Financial auditors examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. Accountants plan, organize and administer accounting systems for individuals and establishments. They are employed by private sector accounting and auditing firms or departments and public sector accounting and auditing departments or units, or they may be self-employed. Articling students in accounting firms are included in this unit group.

### *Illustrative example(s)*

- accountant
- chief accountant
- financial auditor
- income tax expert
- industrial accountant
- internal auditor

### *Exclusion(s)*

- Accounting technicians and bookkeepers (12200)
- Financial managers (10010)
- Policy and program researchers, consultants and officers (4140)

### *Main duties*

This group performs some or all of the following duties:

#### Financial auditors

- Examine and analyze journal and ledger entries, bank statements, inventories, expenditures, tax returns and other accounting and financial records, documents and systems of individuals, departments within organizations, businesses or other establishments to ensure financial recording accuracy and compliance with established accounting standards, procedures and internal controls
- Prepare detailed reports on audit findings and make recommendations to improve individual or establishment's accounting and management practices
- Conduct field audits of businesses to ensure compliance with provisions of the Income Tax Act, Canadian Business Corporations Act or other statutory requirements
- May supervise other auditors or professionals in charge of accounting within client's establishment.

#### Accountants

- Plan, set up and administer accounting systems and prepare financial information for individuals, departments within organizations, businesses and other establishments
- Examine accounting records and prepare financial statements and reports
- Develop and maintain cost finding, reporting and internal control procedures
- Examine financial accounts and records and prepare income tax returns from accounting records
- Analyze financial statements and reports and provide financial, business and tax advice
- May act as a trustee in bankruptcy proceedings
- May supervise and train articling students, other accountants or administrative technicians.

### *Employment requirements*

- Chartered professional accountants, chartered accountants (CPA, CA) require a university degree and  
Completion of a professional training program approved by a provincial Institute of chartered accountants and, depending on the province, either two years or 30 months of on-the-job training  
and  
Membership in a provincial Institute of Chartered Accountants upon successful completion of the Uniform Evaluation (UFE).
- Chartered professional accountants, certified general accountants (CPA, CGA) and chartered professional accountants, certified management accountants (CPA, CMA) require a university degree and completion of an approved training program and several years of on-the-job training and certification with a regulatory body is required in all provinces and territories.
- Auditors require education, training and recognition as indicated for chartered professional accountants, chartered accountants (CPA, CA), chartered professional accountants, certified general accountants (CPA, CGA) or chartered professional accountants, certified management accountants (CPA, CMA) and some experience as an accountant.
- Auditors may require recognition by the Institute of Internal Auditors.
- To act as a trustee in bankruptcy proceedings, auditors and accountants must hold a licence as a trustee in bankruptcy.
- Licensing by the provincial or territorial governing body is usually required for accountants and auditors practising public accounting.

### *Additional information*

- There is limited mobility among the three professional accounting designations: Chartered professional accountant, chartered accountant (CPA, CA); Chartered professional accountant, certified general accountant (CPA, CGA), and Chartered professional accountant, certified management accountant (CPA, CMA).
- Progression to auditing or accounting management positions is possible with experience.

## **11101 Financial and investment analysts**

Financial and investment analysts collect and analyze financial information such as economic forecasts, trading volumes and the movement of capital, financial backgrounds of companies, historical performances and future trends of stocks, bonds and other investment instruments to provide financial and investment or financing advice for their company or their company's clients. Their studies and evaluations cover areas such as takeover bids, private placements, mergers or acquisitions. Financial analysts are employed by a wide range of establishments throughout the private and public sector, such as banks, brokerage houses, insurance companies, investment companies, manufacturing firms, trust companies, utility companies and underwriting firms. Investment analysts are employed primarily by brokerage houses and fund management companies.

### *Illustrative example(s)*

- chartered financial analyst
- financial analyst
- financial services research associate
- investment analyst
- money market analyst
- portfolio manager

*Exclusion(s)*

- Economic development officer (See 41402-Business development officers and market researchers and analysts)
- Economist (See 41401-Economists and economic policy researchers and analysts)
- Financial planner (See 11102-Financial advisors)
- Securities agents, investment dealers and brokers (11103)

*Main duties*

This group performs some or all of the following duties:

*Financial analysts*

- Evaluate financial risks, prepare financial forecasts, financing scenarios and other documents concerning capital management, and write reports and recommendations
- Plan short- and long-term cash flows and assess financial performance
- Analyze investment projects
- Advise on and participate in the financial aspects of contracts and calls for tender
- Follow up on financing projects with financial backers
- Develop, implement and use tools for managing and analyzing financial portfolio
- Prepare a regular risk profile for debt portfolios
- Assist in preparing operating and investment budgets
- Develop and update financial or treasury policies.

*Investment analysts*

- Collect financial and investment information about companies, stocks, bonds and other investments using daily stock and bond reports, economic forecasts, trading volumes, financial periodicals, securities manuals, company financial statements and other financial reports and publications
- Examine and analyze financial and investment information collected, including profiles of companies, stock and bond prices, yields and future trends and other investment information
- Provide investment advice and recommendations to clients, senior company officials, pension fund managers, securities agents and associates
- Prepare company, industry and economic outlooks, analytical reports, briefing notes and correspondence.

*Employment requirements*

- A bachelor's degree in commerce, business administration, accounting, finance or economics and on-the-job training and industry courses and programs are usually required.
- A master's degree in business administration (MBA) (concentration in finance) or in finance may be required.
- The Chartered Financial Analyst (CFA) designation, available through a program conducted by the CFA Institute or an other recognized financial designations (CFP, CIM or others), is usually required.
- Other designations, such as Chartered Professional Accountant (CPA) and Certified Treasury Professional (CTP), may be required by some employers.

*Additional information*

- Progression to management positions, such as securities manager, is possible with experience.

## 11102 Financial advisors

Financial advisors counsel individuals on financial decisions such as investments, cash management, and estate planning. They establish personal financial plans according to clients' objectives and guide them through the implementation of the proposed strategies that may be adjusted as the situation evolve. They are employed by banks, trust companies and investment firms, or they may be self-employed.

### *Illustrative example(s)*

- account manager
- financial advisor
- financial consultant
- financial planner
- financial security advisor
- personal finance advisor
- personal investment advisor

### *Exclusion(s)*

- Financial and investment analysts (11101)
- Managers in financial and business services (1002)
- Other financial officers (11109)
- Securities agents, investment dealers and brokers (11103)

### *Main duties*

This group performs some or all of the following duties:

- Develop personal financial plans for clients covering cash management, finances, insurance coverage, investments, retirement and estate planning, taxes and legal matters
- Analyze clients' financial records, set goals and develop a financial strategy
- Advise clients on implementing the financial plan to help them achieve their goals
- May also arrange for the purchase and sale of financial products and investments depending on the licence held, and monitor the portfolio to ensure its quality and profitability
- May help to expand business and attract new clients.

### *Employment requirements*

- A bachelor's degree in business administration, commerce, economics or a related field is usually required.
- The designation Certified Financial Planner, awarded by the Financial Planners Standards Council of Canada, may be required.
- To sell regulated financial products and investments, such as annuities, RRSPs and life insurance, a licence is required from the appropriate governing body.
- Certification as a Financial Planner is required in Quebec.
- Various training programs and courses are offered by financial institutes and organizations, such as the Canadian Securities Institute, Institute of Canadian Bankers, CFA Institute, Investment Funds Institute, Canadian Institute of Financial Planning, and Trust Companies Institute of Canada, and may be required by employers.



*Additional information*

- While these kinds of positions require a high degree of training and qualifications, persons who occupy them must continually update their skills and pursue professional development.
- Progression to financial management positions is possible with experience.

**11103 Securities agents, investment dealers and brokers**

Securities agents and investment dealers buy and sell stocks, bonds, treasury bills, mutual funds and other securities for individual investors, pension fund managers, banks, trust companies, insurance firms and other establishments. Brokers buy and sell stocks, bonds, commodity futures, foreign currencies and other securities at stock exchanges on behalf of investment dealers. They are employed by investment companies, stock brokerage firms, stock and commodity exchanges and other establishments in the securities industry.

*Illustrative example(s)*

- bond dealer
- broker
- commodity broker
- discount broker
- floor trader - commodity exchange
- foreign exchange trader
- investment dealer
- mutual fund broker
- mutual fund sales representative
- registered investment representative
- registered representatives supervisor
- securities agent
- securities sales agent
- securities trader
- stockbroker

*Exclusion(s)*

- Financial and investment analysts (11101)
- Financial brokerage manager (See 10020-Insurance, real estate and financial brokerage managers)
- Other financial officers (11109)

*Main duties*

This group performs some or all of the following duties:

## Securities agents and investment dealers

- Develop long-term relationships with their clients by preparing investment strategies to help them achieve their financial goals, offering advice and information on various investments to guide them in managing their portfolios
- Review financial periodicals, stock and bond reports, business publications and other material, and develop a network within the financial industry to gather relevant information and identify potential investments for clients

- Carry out investment orders by buying and selling stocks, bonds, treasury bills, mutual funds and other securities for individual investors, pension fund managers or companies such as banks, trust companies and insurance firms
- Monitor clients' investment portfolios and ensure that investment transactions are carried out according to industry regulations.

#### Brokers

- Buy and sell stocks, bonds, commodity futures, foreign currencies and other securities at stock exchanges on behalf of investment dealers
- Develop trading strategies by reviewing investment information and monitoring market conditions from the exchange floor and through contact with trading departments of other investment firms, pension fund managers and investment company financial analysts
- Make bids and offers to buy and sell securities and complete details of sales on exchange trade tickets
- Prepare reviews of portfolios' positions.

#### *Employment requirements*

- A bachelor's or master's degree in economics, business or other discipline is usually required.
- A recognized financial designation may be required (CFA, CFP, CIM or others).
- Securities sales representatives and brokers require completion of industry investment and sales training programs and completion of licensing courses such as the Canadian Securities Course and the Conduct and Practices Handbook Course offered by the Canadian Securities Institute, or acceptable alternatives such as completion of one or more levels of the CFA Program, offered by CFA Institute.
- Specialized courses are also available for securities sales representatives and brokers who want to trade in specific investment products such as securities options and futures contracts.
- Licensure by the provincial securities commission in the province of employment or a recognized self-regulatory organization is required for securities agents, investment dealers and brokers.

#### *Additional information*

- Progression to related management positions is possible with experience.

### **11109 Other financial officers**

Other financial officers include professional occupations in finance such as financial examiners and inspectors, financial investigators, financial underwriters, mortgage brokers and trust officers. They are employed by banks, trust companies, investment firms and governments, or they may be self-employed.

#### *Illustrative example(s)*

- credit adjudicator
- credit unions examiner
- estate and trust administrator
- financial institutions inspector
- financial investigator
- financial underwriter
- mortgage broker
- trust officer

*Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Banking, credit and other investment managers (10021)
- Economic development officer (See 41402-Business development officers and market researchers and analysts)
- Economist (See 41401-Economists and economic policy researchers and analysts)
- Financial and investment analysts (11101)
- Insurance, real estate and financial brokerage managers (10020)
- Other business services managers (10029)
- Securities agents, investment dealers and brokers (11103)

*Main duties*

This group performs some or all of the following duties:

## Financial examiners and inspectors

- Review and examine banks, trust companies, credit unions, caisses populaires, credit companies, real estate companies, insurance companies, pension funds, securities brokers and other financial services and institutions to ensure compliance with governing legislation and regulations.

## Financial investigators

- Investigate possible unethical conduct or breaches of securities or commodity futures laws by persons or companies that trade in securities and commodity futures or that provide related financial services.

## Financial underwriters

- Analyze client requests to assess risk and details of stocks, bonds, mortgages or other financing solutions
- Negotiate with corporations, governments or individuals to determine the type and terms of financial products and prepare offering prospectuses or contracts
- May underwrite new issues of stocks and bonds.

## Trust officers

- Administer estate, personal, charitable, corporate and other types of trusts
- Direct trust account investments, receive and record investment income and disburse trust funds.

## Mortgage brokers

- Meet with clients to obtain information about income, liabilities and assets, and type, price and condition of property to be mortgaged
- Negotiate mortgage loans with lenders or lending institutions on behalf of clients.

*Employment requirements*

- A bachelor's degree in business administration, commerce, economics or a related field is usually required.
- Various training programs and courses are offered by financial institutes and organizations, such as the Canadian Securities Institute, Institute of Canadian Bankers, CFA Institute, Investment Funds Institute, and Trust Companies Institute of Canada, and may be required by employers.
- A recognized financial designation may be required (CFA, CIM or others).

- Financial examiners and inspectors may require a recognized accounting designation.
- Mortgage brokers require a mortgage broker licence in British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, Quebec, New Brunswick, Newfoundland and Labrador and Nova Scotia.

*Additional information*

- While these kinds of positions require a high degree of training and qualifications, persons who occupy them must continually update their skills and pursue professional development.
- Progression to financial management positions is possible with experience.

## **112 Professional occupations in business**

This sub-major group comprises professional occupations in business, including human resources and business service professionals.

### **1120 Human resources and business service professionals**

This minor group comprises human resources and business service professionals, including professional occupations in human resources, business management consulting, and those professional occupations in advertising, marketing and public relations. They are employed by consulting firms, advertising agencies, corporations, associations, social agencies, museums, galleries, public interest groups and cultural and other organizations; and throughout the public and private sectors; or they may be self-employed.

#### **11200 Human resources professionals**

Human resources professionals develop, implement and evaluate human resources and labour relations policies, programs and procedures and advise employers and employees on human resources matters. They are employed throughout the public and private sectors, or they may be self-employed.

*Illustrative example(s)*

- classification officer - human resources
- classification specialist
- compensation research analyst
- conciliator
- employee relations officer
- employment equity officer
- human resources consultant
- human resources research officer
- job analyst
- labour organization business agent
- labour relations officer
- mediator
- union representative
- wage analyst

*Inclusion(s)*

- employment adviser - human resources
- staff training and development officer

*Exclusion(s)*

- Human resources and recruitment officers (12101)
- Human resources managers (10011)
- Personnel clerks (14102)
- Professional occupations in business management consulting (11201)
- Training officer - company (See 41210-College and other vocational instructors)

*Main duties*

This group performs some or all of the following duties:

- Plan, develop, implement and evaluate human resources and labour relations strategies including policies, programs and procedures to address an organization's human resource requirements
- Advise employers and employees on the interpretation of human resources policies, compensation and benefit programs and collective agreements
- Negotiate collective agreements on behalf of employers or workers, mediate labour disputes and grievances and provide advice on employee and labour relations
- Research and prepare occupational classifications, job descriptions, salary scales and competency appraisal measures and systems
- Plan and administer staffing, total compensation, training and career development, employee assistance, employment equity and affirmative action programs
- Manage programs and maintain human resources information and related records systems
- Hire and oversee training of staff
- Coordinate employee performance appraisal programs
- Research employee benefit and health and safety practices and recommend changes or modifications to existing policies.

*Employment requirements*

- A university degree or college diploma in human resources management or a related field, such as business administration, industrial relations, commerce or psychology  
or  
Completion of a professional development program in human resources administration is required.
- Some employers may require human resources professionals to hold a Certified Human Resources Professional (CHRP) designation.

*Additional information*

- Progression to management positions is possible with experience.

**11201 Professional occupations in business management consulting**

Professionals in business management consulting occupations provide services to management such as analyzing the structure, operations, managerial methods or functions of an organization in order to propose, plan and implement improvements. They are employed by management consulting firms and throughout the public and private sectors or are self-employed.

*Illustrative example(s)*

- business management consultant
- business methods analyst

- health information management consultant
- ISO consultant
- management analyst
- operations management senior consultant
- organization and methods researcher
- organizational analysis consultant
- organizational analyst
- records management specialist

#### *Exclusion(s)*

- Business development officers and market researchers and analysts (41402)
- Economists and economic policy researchers and analysts (41401)
- Engineering inspectors and regulatory officers (22231)
- Financial and investment analysts (11101)
- Financial auditors and accountants (11100)
- Health information management occupations (12111)
- Industrial and manufacturing engineers (21321)
- Other financial officers (11109)
- Records management technicians (12112)

#### *Main duties*

This group performs some or all of the following duties:

- Analyze and provide advice on the managerial methods and organization of a public or private sector establishment
- Conduct research to determine efficiency and effectiveness of managerial policies and programs
- Conduct assessments and propose improvements to methods, systems and procedures in areas such as operations, human resources, records management, security management and communications
- Conduct quality audits and develop quality management and quality assurance standards for ISO (International Organization for Standardization) registration
- Provide guidance and support to businesses on regulatory policies and procedures; ensure internal compliance with regulatory requirements; and prepare submissions and filings with regulatory bodies
- Plan the reorganization of the operations of an establishment
- May supervise contracted researchers or clerical staff.

#### *Employment requirements*

- A bachelor's degree or college diploma in business administration, commerce or a related discipline is usually required.
- A graduate degree in business administration may be required.
- Some establishments may require management consultants to be certified by a provincial management consulting association.
- Certification as a quality auditor may be required for some occupations in this unit group.
- Occupations in health information management consulting may require certification by the Canadian Health Information Management Association (CHIMA).

*Additional information*

- Progression to senior and managerial positions is possible with experience.

**11202 Professional occupations in advertising, marketing and public relations**

Professional occupations in advertising, marketing and public relations analyse, develop and implement communication and promotion strategies and information programs; analyse advertising needs and develop appropriate advertising and marketing plans; publicize activities and events, and maintain media relations on behalf of businesses, governments and other organizations, and for performers, athletes, writers and other talented individuals. They are employed by marketing and consulting firms, advertising agencies, corporations, associations, government, social agencies, museums, galleries, public interest groups, and cultural and other organizations, or they may be self-employed. Agents such as entertainment, literary and sports agents are included in this unit group.

*Illustrative example(s)*

- advertising consultant
- communications officer (except emergency services)
- communications specialist
- digital marketing consultant
- event marketing specialist
- fundraising consultant
- information officer
- literary agent
- marketing consultant
- marketing coordinator
- media coordinator
- media relations officer
- museum educator
- performers agent
- press secretary
- public affairs officer
- public relations consultant
- public relations officer
- publicist
- publicity agent

*Inclusion(s)*

- development officer - fundraising
- fundraiser
- information consultant
- information service coordinator

*Exclusion(s)*

- Authors and writers (See 51111-Authors and writers (except technical))
- Business development officers and market researchers and analysts (41402)

- Conference and event planners (12103)
- Public relations manager (10022-Advertising, marketing and public relations managers)

### *Main duties*

This group performs some or all of the following duties:

- Assess characteristics of products or services to be promoted to determine marketing and advertising needs of an establishment
- Advise clients on marketing, advertising or sales promotion opportunities and strategies
- Develop strategies and related content for direct and digital marketing and advertising campaigns and implement them
- Manage post campaign analysis to measure and report on marketing and advertising metrics
- Develop and maintain social media accounts, including managing customer reviews and testimonials
- Develop, implement and evaluate public relations strategies and programs designed to inform clients, employees and the general public of initiatives and policies of businesses, governments and other organizations
- Conduct public opinion and attitude surveys to identify the interests and concerns of key groups served by their organization
- Prepare or oversee preparation of reports, briefs, bibliographies, speeches, presentations, Web sites and press releases
- Develop and organize workshops, meetings, ceremonies and other events and programs for publicity, fundraising and information purposes
- Arrange interviews, news conferences and other media events
- Act as spokesperson for an organization and answer written and oral inquiries
- Coordinate special publicity events and promotions for internal and external audiences
- Assist in the preparation of brochures, reports, newsletters and other material
- Represent and act as an agent for talented individuals or individuals with specific occupational expertise
- Prepare or oversee preparation of sports, literary, performance or other contracts.

Literary agents specialize in representing specific types of authors and writers. Performance agents specialize in representing singers, musicians, actors or other performers. Sports agents specialize in representing specific athletes or sports teams.

### *Employment requirements*

- A university degree or college diploma in business marketing, public relations, communications, journalism, museology or a discipline related to a particular subject matter is usually required.
- Practitioners in public relations may require an APR (Accredited in Public Relations) designation.

### *Additional information*

- Progression to managerial positions in public relations, communications and fundraising is possible with additional training and experience.

## **12 Administrative and financial supervisors and specialized administrative occupations**

This major group comprises administrative and financial supervisors; specialized administrative occupations; and accounting, insurance and related business administrative occupations. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those in this group with a 2 as the second digit of their code, typically require completion of a post-secondary



education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience and expertise in the subject matter knowledge in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

## **120 Administrative and financial supervisors**

This sub-major group comprises administrative and financial supervisors, including supervisors of general office and administrative support workers; supervisors of finance and insurance office workers; supervisors of library, correspondence and related information workers; and supervisors of those in supply chain, tracking and scheduling coordination occupations.

### **1201 Administrative and financial supervisors**

This minor group comprises administrative and financial supervisors, including supervisors of general office and administrative support workers; supervisors of finance and insurance office workers; supervisors of library, correspondence and related information workers; and supervisors of those in supply chain, tracking and scheduling coordination occupations. They are employed by banks, other financial institutions, insurance companies, courier companies; and throughout the public and private sectors.

#### **12010 Supervisors, general office and administrative support workers**

Supervisors of general office and administrative support workers supervise and coordinate the activities of workers in the following minor groups: Office support and court services occupations (1410) and Survey, statistical and data entry occupations (1411). They are employed throughout the public and private sectors.

##### *Illustrative example(s)*

- clerical supervisor
- data entry supervisor
- filing clerks supervisor
- hospital admitting clerks supervisor
- personnel clerks supervisor
- records office supervisor
- registry supervisor
- switchboard operators supervisor

##### *Inclusion(s)*

- operations supervisor

##### *Exclusion(s)*

- Office manager (See 13100-Administrative officers)
- Supervisors, finance and insurance office workers (12011)
- Supervisors, library, correspondence and related information workers (12012)
- Supervisors, mail and message distribution occupations (72025)
- Supervisors, supply chain, tracking and scheduling coordination occupations (12013)

### *Main duties*

This group performs some or all of the following duties:

- Coordinate, assign and review the work of clerks engaged in the following duties: word processing; record keeping and filing; operating telephones and switchboards; data entry; desktop publishing; and other activities involving general office and administrative skills
- Establish work schedules and procedures and coordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Train workers in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of office equipment and machinery, and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

### *Employment requirements*

- Completion of secondary school is required.
- Completion of college courses related to area supervised is usually required.
- Experience in the occupation supervised is usually required.

## **12011 Supervisors, finance and insurance office workers**

Supervisors of finance and insurance office workers supervise and coordinate the activities of workers in the following unit groups: Payroll administrators (13102), Accounting and related clerks (14200), Banking, insurance and other financial clerks (14201) and Collection clerks (14202). They are employed by banks and other financial institutions, insurance companies, and by other establishments throughout the public and private sectors.

### *Illustrative example(s)*

- accounts payable supervisor
- accounts receivable supervisor
- bank clerks supervisor
- billing supervisor
- bookkeeping supervisor
- claims adjusters supervisor
- collection supervisor
- credit supervisor
- payroll supervisor
- supervisor of accounting

### *Exclusion(s)*

- Customer and information services supervisors (62023)
- Financial advisors (11102)
- Financial managers (10010)
- Other financial officers (11109)

*Main duties*

This group performs some or all of the following duties:

- Implement efficient working processes and coordinate, assign and review the work of clerks engaged in the following duties: administering accounts payable and receivable; processing, verifying and recording financial documents and forms; administering payrolls; processing, verifying and recording insurance claims and forms; and collecting user fees and payments on overdue accounts
- Examine and verify accuracy of work and authorize routine payments, credits and other transactions
- Establish work schedules and procedures and coordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Identify training needs and train workers in job duties and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

*Employment requirements*

- Completion of a college program or courses in bookkeeping, accounting or a related subject is required.
- Experience in the clerical occupation supervised is required.

**12012 Supervisors, library, correspondence and related information workers**

Supervisors of library, correspondence and related information workers supervise and coordinate the activities of workers in the following unit groups: Survey interviewers and statistical clerks (14110), Library assistants and clerks (14300), and Correspondence, publication and regulatory clerks (14301). They are employed throughout the public and private sectors.

*Illustrative example(s)*

- advertising clerks supervisor
- correspondence clerks supervisor
- library clerks supervisor
- publication clerks supervisor
- statistical clerks supervisor
- survey interviewers supervisor

*Exclusion(s)*

- Librarians (51100)
- Library and public archive technicians (52100)

*Main duties*

This group performs some or all of the following duties:

- Coordinate, assign and review the work of clerks engaged in the following duties: conducting surveys and interviews; collecting and compiling statistics; preparing and issuing licences, passports and other regulatory documents; reshelving books and performing other tasks in libraries; writing correspondence including e-mails and preparing material for translation and publication
- Establish work schedules and procedures and coordinate activities with other work units or departments

- Resolve work-related problems, monitor services provided by clerks and agents, and prepare and submit progress and other reports
- Train workers in job duties and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

#### *Employment requirements*

- Completion of secondary school is required.
- Completion of college courses related to area supervised may be required.
- Experience in the clerical occupation supervised is usually required.

### **12013 Supervisors, supply chain, tracking and scheduling coordination occupations**

Supervisors of supply chain, tracking and scheduling coordination occupations supervise the activities of workers in unit group 13201 Production and transportation logistics coordinators and in sub-major group 144: Supply chain logistics, tracking and scheduling coordination occupations. They are employed throughout the public and private sectors.

#### *Illustrative example(s)*

- flight crew scheduling supervisor
- head dispatcher
- head shipper
- inventory control supervisor
- parts service supervisor
- production clerks supervisor
- receiving supervisor
- transportation logistics supervisor

#### *Exclusion(s)*

- Production and transportation logistics coordinators (13201)
- Supervisors, mail and message distribution occupations (72025)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, plan, assign and review the work of clerks engaged in the following duties: shipping, receiving, storing, distributing and maintaining inventories of materials, parts and products; processing purchasing transactions; coordinating production work; dispatching crews; scheduling transportation crews and routes and other related activities
- Ensure compliance with policies, procedures for safety and security, standards and regulations in force and participate in their improvement
- Resolve various problems and related complaints and implement corrective measures and process improvements
- Train workers in job duties

- Requisition supplies and materials
- Ensure smooth operation of computer systems, equipment and machinery and arrange for maintenance and repair work
- May conduct performance reviews of supervised workers
- May perform the same duties as workers supervised.

#### *Employment requirements*

- Completion of a post-secondary education program of two to three years in business, supply chain, production or manufacturing management or related is usually required.
- Several years of experience in the occupation supervised are usually required.

## **121 Specialized administrative occupations**

This sub-major group comprises specialized administrative occupations, including administrative and regulatory occupations, as well as court reporters, transcriptionists, records management technicians and statistical officers.

### **1210 Administrative and regulatory occupations**

This minor group comprises administrative and regulatory occupations, including executive assistants, human resources and recruitment officers, procurement and purchasing agents and officers, conference and event planners, and employment insurance and revenue officers. They are employed by governments, government agencies, corporations and associations; convention and conference centres and conference and event planning companies; and federal and provincial courts; or they may be self-employed.

#### **12100 Executive assistants**

Executive assistants coordinate administrative procedures, public relations activities and research and analysis functions for members of legislative assemblies, ministers, deputy ministers, corporate officials and executives, committees and boards of directors. They are employed by governments, corporations and associations.

#### *Illustrative example(s)*

- committee clerk
- corporate secretary
- executive assistant
- legislative assistant

#### *Inclusion(s)*

- special assistant

#### *Exclusion(s)*

- Administrative officers (13100)
- Conference and event planners (12103)
- Executive secretary (except legal and medical) (See 13110-Administrative assistants)

#### *Main duties*

This group performs some or all of the following duties:

- Establish and coordinate administrative policies and procedures for officials, committees and boards of directors

- Analyze incoming and outgoing memoranda, submissions and reports and prepare and coordinate the preparation and submission of summary briefs and reports to executives, committees and boards of directors
- Prepare agendas and make arrangements for committee, board and other meetings
- Conduct research, compile data, and prepare papers for consideration and presentation by executives, committees and boards of directors
- Meet with individuals, special interest groups and others on behalf of executives, committees and boards of directors to discuss issues and assess and recommend various courses of action
- Liaise with departmental and corporate officials and with other organizations and associations on behalf of executives, committees and boards of directors.

#### *Employment requirements*

- Completion of secondary school is required.
- Completion of a bachelor's degree in public administration, political science or a related discipline or the completion of a college diploma in administration is usually required.
- Experience in a related administrative occupation is usually required.

### **12101 Human resources and recruitment officers**

Human resources and recruitment officers identify and advertise job vacancies, recruit candidates, and assist in the selection and reassignment of employees. They are employed throughout the private and public sectors.

#### *Illustrative example(s)*

- human resources officer
- personnel officer
- recruitment specialist
- staffing analyst
- staffing coordinator

#### *Inclusion(s)*

- employment supervisor

#### *Exclusion(s)*

- Human resources managers (10011)
- Human resources professionals (11200)
- Personnel clerks (14102)
- Training officer - company (See 41210-College and other vocational instructors)

#### *Main duties*

This group performs some or all of the following duties:

- Identify current and prospective staffing requirements, prepare and post notices and advertisements, and collect and screen applications
- Advise job applicants on employment requirements and on terms and conditions of employment
- Review candidate inventories and contact potential applicants to arrange interviews and transfers, redeployment and placement of personnel

- Recruit graduates of colleges, universities and other educational institutions
- Coordinate and participate in selection and examination boards to evaluate candidates
- Notify applicants of results of selection process and prepare job offers
- Advise managers and employees on staffing policies and procedures
- Organize and administer staff consultation and grievance procedures
- Determine eligibility to entitlements, arrange staff training and provide information or services such as employee assistance, counselling and recognition programs
- May manage and follow up on the opening of Occupational Health and Safety (OHS) files
- May supervise personnel clerks performing filing and record-keeping duties.

#### *Employment requirements*

- A college diploma in a field related to personnel management such as business administration, industrial relations, commerce or completion of a professional development program in personnel administration is usually required.
- Certification as a Certified Human Resources Professional (CHRP) may be required.
- Some experience in a clerical or administrative position related to personnel administration may be required.

#### *Additional information*

- Progression to specialist and management positions is possible with experience.

## **12102 Procurement and purchasing agents and officers**

Procurement and purchasing agents and officers source and purchase general and specialized equipment, materials, business services and land or access rights for use or for further processing by their establishment. They are employed throughout the public and private sectors.

#### *Illustrative example(s)*

- contract management officer
- contracts officer
- energy asset surface land analyst
- furniture and furnishings purchaser
- government supply officer
- material management officer
- procurement officer
- purchasing agent
- sourcing specialist
- strategic sourcing analyst

#### *Exclusion(s)*

- Purchasing and inventory control workers (14403)
- Purchasing managers (10012)
- Retail and wholesale buyers (62101)

### *Main duties*

This group performs some or all of the following duties:

#### Procurement agents and officers

- Evaluate risk, assess, prepare forecasts, scenarios and other factors concerning the supply market, and write reports and recommendations
- Provides research and input into the financial sourcing aspects of contracts and calls for tender when information is not readily available
- Identify high impact cost reduction opportunities
- Leverage the organization's buying power to optimize costs, access new suppliers, reduce lead times, and guarantee supply
- Develop and maintain relationships with existing and potential buyers and suppliers to the organization
- Respond to customer service inquiries and clarify requirements and provide information as needed.

#### Purchasing agents and officers

- Purchase general and specialized equipment and materials, business services and land or access rights for use or for further processing by their establishment
- Assess requirements of an establishment and develop specifications for equipment, materials and supplies to be purchased
- Invite tenders, consult with suppliers and review quotations
- Determine or negotiate contract terms and conditions, award supplier contracts or recommend contract awards
- Establish logistics of delivery schedules, monitor progress and contact clients and suppliers to resolve problems
- Negotiate land acquisition or access rights for public or private use, and may conduct field investigations of properties
- May hire, train or supervise purchasing clerks.

### *Employment requirements*

- Procurement and purchasing agents and officers usually require a bachelor's degree or college diploma in business administration, commerce or economics.
- Procurement and purchasing agents and officers purchasing specialized materials or business services may require a related university degree or college diploma. For example, a bachelor's degree or college diploma in engineering may be required for purchasers of industrial products.
- A certificate in purchasing from the Purchasing Management Association of Canada (PMAC) may be required.
- Previous experience as a purchasing clerk or as an administrative clerk may be required.
- Certification from the International Right of Way Association (IRWA) may be required.
- Sourcing specialists and analysts usually require a bachelor's degree or college diploma in economics, logistics, operations management, finance, engineering, mathematics, or statistical analysis.
- Previous work experience in supply chain for sourcing specialists and analysts is usually required.

### *Additional information*

- Progression to managerial positions is possible with experience.
- Procurement and purchasing agents and officers may specialize in the purchase of particular materials or business services such as furniture or access rights.



## 12103 Conference and event planners

Conference and event planners plan, organize and coordinate conferences, conventions, meetings, seminars, exhibitions, trade shows, festivals and other events. They are employed by tourism associations, trade and professional associations, convention and conference centres, governments and by conference and event planning companies, or they may be self-employed.

### *Illustrative example(s)*

- conference and meeting planner
- conference planner
- conference services officer
- convention coordinator
- event planner
- festival organizer
- meeting planner
- special events organizer
- trade show planner

### *Exclusion(s)*

- Administrative officers (13100)
- Advertising, marketing and public relations managers (10022)
- Executive assistants (12100)
- Professional occupations in advertising, marketing and public relations (11202)
- Sales and account representatives - wholesale trade (non-technical) (64101)

### *Main duties*

This group performs some or all of the following duties:

- Meet with trade and professional associations and other groups to promote and discuss conference, convention and trade show services
- Meet with sponsors and organizing committees to plan the scope and format of events, to establish and monitor budgets and to review administrative procedures and progress of events
- Coordinate services for events, such as accommodation and transportation for participants, conference and other facilities, catering, signage, displays, translation, special needs requirements, audio-visual equipment, printing and security
- Organize registration of participants, prepare programs and promotional material, and publicize events
- Plan entertainment and social gatherings for participants
- Hire, train and supervise support staff required for events
- Ensure compliance with required by-laws
- Negotiate contracts for services, approve suppliers' invoices, maintain financial records, review final billing submitted to clients for events and prepare reports.

### *Employment requirements*

- A university degree or college diploma in business, tourism or hospitality administration is usually required.
- Several years of experience in hospitality or tourism administration or in public relations are usually required and may substitute for formal education requirements.
- Certification relating to special events, meetings or conference management may be required.

## **12104 Employment insurance and revenue officers**

Employment insurance and revenue officers administer and enforce laws and regulations related to tax revenue, employment insurance and other government benefit services. They are employed by government agencies.

### *Illustrative example(s)*

- employment insurance agent
- employment insurance benefits control officer
- revenue officer
- tax collection officer
- tax enforcement officer

### *Inclusion(s)*

- appeal officer

### *Exclusion(s)*

- Financial auditors and accountants (11100)
- Government managers - economic analysis, policy development and program administration (40011)
- Government managers - health and social policy development and program administration (40010)
- Other financial officers (11109)
- Social policy researchers, consultants and program officers (41403)

### *Main duties*

This group performs some or all of the following duties:

#### Excise tax revenue officers

- Audit accounting records to determine income, exemptions, payable taxes, compliance with reporting regulations and existence of fraud
- Examine accounting systems and internal controls of organizations
- Provide advice on reporting and evaluation methods for goods subject to taxation
- Prepare briefs and assist in searching and seizing records, and in preparing charges for court cases.

#### Government benefits services officers

- Determine the eligibility of persons applying for government benefits such as Employment Insurance (EI), Canada Pension Plan (CPP) and Old Age Security (OAS)
- Ascertain the facts on such issues as reasons for loss of employment and availability for work
- Monitor the payments of benefits and investigate claimants when there appears to be fraud or abuse.

*Employment requirements*

- A bachelor's degree or college diploma is usually required.
- Several years of related administrative or regulatory experience may be required.
- Completion of specialized government training is required.

*Additional information*

- Progression to managerial positions in these fields is possible with experience.

**1211 Court reporters, transcriptionists, records management technicians and statistical officers**

This minor group comprises court reporters, transcriptionists, including medical transcriptionists and those in related occupations; those in health information management occupations, records management technicians, and statistical officers and those in related research support occupations. They are employed by courts of law, provincial and federal legislative assemblies and committees; hospitals, medical clinics and doctors' offices; workplace health and safety boards, health record consulting firms and other health care establishments; and throughout the public and private sectors; or they may be self-employed.

**12110 Court reporters, medical transcriptionists and related occupations**

Court reporters record and transcribe verbatim the proceedings of courts, legislative assemblies and committees, and prepare transcripts for use by judges, tribunals and quasi-judicial panels. They are employed by courts of law, provincial and federal legislative assemblies and committees, or they may be self-employed. Medical transcriptionists record, transcribe and edit dictation by physicians and other health care providers, surgical proceedings, health-related reports and other medical documentation. They are employed by hospitals, medical clinics and doctors' offices, or they may be self-employed. Closed captioners, braille technicians and other transcriptionists are included in this unit group.

*Illustrative example(s)*

- braille technician
- closed captioner
- court reporter
- Hansard reporter
- medical transcriptionist
- transcriptionist

*Exclusion(s)*

- Legal administrative assistants (13111)
- Medical administrative assistants (13112)

*Main duties*

This group performs some or all of the following duties:

*Court reporters*

- Record verbatim proceedings of courtroom using electronic stenograph machine or stenomask
- Respond to requests during court sessions to read back verbatim evidence
- Transcribe recorded proceedings in accordance with established formats

- Verify accuracy of transcripts by checking copy against original record of proceedings and accuracy of rulings by checking with judge
- Research and locate quotes to ensure accuracy
- Respond to requests for transcripts ordered by judges, lawyers or the public
- File and store shorthand notes of court session.

#### Medical transcriptionists

- Transcribe recorded dictation in accordance with established formats or written documentation from medical reports, correspondence, health records and patient information
- Proofread work for typographical and grammatical errors
- Edit transcripts for missing or incorrect content and formatting.

#### *Employment requirements*

- Court reporters require completion of secondary school.
- Completion of a college or other program in court reporting is usually required and the Chartered Shorthand Reporter (CSR) certificate may be required for court reporters.
- Medical transcriptionists require completion of secondary school.
- Completion of a recognized medical transcription program is usually required and the Certified Medical Transcriptionist (CMT) certificate may be required for medical transcribers.
- Occupations working in Braille usually require education in Unified English Braille (UEB) competence and related studies of 1-2 years.

#### *Additional information*

- There is some mobility between occupations in this unit group and other occupations requiring similar knowledge of legal or medical terminology, such as legal or medical administrative positions.

### **12111 Health information management occupations**

Health information management workers collect, code, record, review and manage health information. They are employed by hospitals, clinics, workplace health and safety boards, health record consulting firms and other health care establishments. Health information management workers who are supervisors are included in this unit group.

#### *Illustrative example(s)*

- health information management supervisor
- health information management technician
- health records technician
- medical records unit supervisor

#### *Exclusion(s)*

- Health information management consultant (See 11201-Professional occupations in business management consulting)
- Health records administrator (See 10019-Other administrative services managers)
- Health records clerk (See 14100-General office support workers)
- Records management technicians (12112)

*Main duties*

This group performs some or all of the following duties:

- Classify and code diseases according to an established classification system
- Collect, code, cross-reference and store health records and related information
- Abstract, assemble and analyze clinical data and related demographic information from health records according to established policies and procedures
- Operate information systems to maintain indexes for classification systems and to manage and retrieve health records information
- Prepare medical, social and administrative statistics
- Use and maintain software or information technology systems
- May implement and update health information systems and also provide support and training
- May supervise other health information management technicians and related workers.

*Employment requirements*

- Health information management technicians and related workers require completion of a recognized two-year college diploma program in health record technology or health information management.
- Health information management technicians and related workers are eligible to write the Canadian Health Information Management Association national certification examination which may be required by employers.

*Additional information*

- Progression to supervisory positions is possible with experience.
- Progression to management positions is possible with additional training and experience.

**12112 Records management technicians**

Records management technicians operate and maintain systems for the collection, classification, retrieval and retention of records, images, documents and information. They are employed throughout the private and public sectors.

*Illustrative example(s)*

- information management technician
- microfilm records searcher
- records classifier
- records digitizing technician
- records technician

*Exclusion(s)*

- Health information management occupations (12111)
- Health records clerk (See 14100-General office support workers)
- Library and public archive technicians (52100)
- Records management specialist (See 11201-Professional occupations in business management consulting)
- Records management supervisor (See 12010-Supervisors, general office and administrative support workers)

### *Main duties*

This group performs some or all of the following duties:

- Implement and update records classification, retention and disposal scheduling plans
- Classify, code, cross-reference, log and store records
- Develop document inventories and maintain indexes for classification systems
- Operate information retrieval systems to research and extract records according to established guidelines in response to requests
- Label, prepare and transfer information files according to established records management life-cycle procedures and schedules
- Maintain access lists for security classified records
- Compile statistics and reports on activities within records management services.

### *Employment requirements*

- Records management technicians usually require completion of a two- to three-year college program in information or records management technology.
- Two to three years' experience in a records management environment may be required.

### *Additional information*

- Progression to supervisory positions is possible with additional training and experience.

## **12113 Statistical officers and related research support occupations**

Statistical officers and workers in related research support occupations provide statistical and research support services to a wide range of businesses and organizations. These workers conduct statistical routines, monitor trends, compile data and prepare charts, graphs, summaries and reports in support of organizational information needs and research activities. They are employed throughout the public and private sectors. Statistical officers who are also supervisors are included in this unit group.

### *Illustrative example(s)*

- research assistant - generalist (except university)
- research support officer
- social research assistant (except university)
- statistical officer
- technical research assistant (except post-secondary)

### *Exclusion(s)*

- Data entry clerks (14111)
- Mathematicians, statisticians and actuaries (21210)
- Policy and program researchers, consultants and officers (4140)
- Survey interviewers and statistical clerks (14110)

### *Main duties*

This group performs some or all of the following duties:

- Compile tables, charts, graphs and summarized statistics for integration in research papers and reports
- Process data using statistical software to conduct basic analyses of trends in support of research activities

- Collect, consolidate, cross-tabulate and format data from various sources to prepare draft reports for review by supervisors or researchers
- Assist in collection and tracking of data from monitored use of services and provide information to management and client groups
- May prepare technical documents and monitoring reports on volumetrics and other trend analyses
- May supervise statistical and research support workers.

#### *Employment requirements*

- Completion of secondary school is required.
- A college diploma or undergraduate degree in a social science, commerce, statistics or a related field is usually required.

#### *Additional information*

- Progression to supervisory positions is possible with experience. Progression to professional occupations in statistics and research usually requires completion of a postgraduate degree.

## **122 Accounting, insurance and related business administrative occupations**

This sub-major group comprises accounting, insurance and related business administrative occupations, including accounting technicians, bookkeepers, insurance adjusters, claims examiners, insurance underwriters, assessors, valuers, appraisers and customs, ship and other brokers.

### **1220 Accounting, insurance and related business administrative occupations**

This minor group comprises accounting, insurance and related business administrative occupations, including accounting technicians, bookkeepers, insurance adjusters, claims examiners, insurance underwriters, assessors, valuers, appraisers and customs, ship and other brokers. They are employed in claims departments of insurance companies and as independent adjusters; at head and branch offices of insurance companies; by government agencies, real estate firms and other private companies; by customs, ship and other brokerage establishments; and throughout the public and private sectors; or they may be self-employed.

#### **12200 Accounting technicians and bookkeepers**

Accounting technicians and bookkeepers maintain complete sets of books, keep records of accounts, verify the procedures used for recording financial transactions, and provide personal bookkeeping services. They are employed throughout the private and public sectors, or they may be self-employed.

#### *Illustrative example(s)*

- accounting bookkeeper
- accounting technician
- bookkeeper
- finance technician

#### *Exclusion(s)*

- Accounting and related clerks (14200)
- Banking, insurance and other financial clerks (14201)
- Financial auditors and accountants (11100)
- Payroll administrators (13102)

### *Main duties*

This group performs some or all of the following duties:

- Keep financial records and establish, maintain and balance various accounts using manual and computerized bookkeeping systems
- Post journal entries and reconcile accounts, prepare trial balance of books, maintain general ledgers and prepare financial statements
- Calculate and prepare cheques for payrolls and for utility, tax and other bills
- Complete and submit tax remittance forms, workers' compensation forms, pension contribution forms and other government documents
- Prepare tax returns and perform other personal bookkeeping services
- Prepare other statistical, financial and accounting reports.

### *Employment requirements*

- Completion of secondary school is required.
- Completion of a college program in accounting, bookkeeping or a related field  
or  
Completion of two years (first level) of a recognized professional accounting program (e.g., Chartered Accounting, Certified General Accounting)  
or  
Courses in accounting or bookkeeping combined with several years of experience as a financial or accounting clerk are required.

### *Additional information*

- Progression to professional accounting occupations is possible with additional training.

## **12201 Insurance adjusters and claims examiners**

Insurance adjusters investigate insurance claims and determine the amount of loss or damages covered by insurance policies. They are employed in claims departments of insurance companies or as independent adjusters. Insurance claims examiners examine claims investigated by insurance adjusters and authorize payments. They are employed at head offices or branches of insurance companies.

### *Illustrative example(s)*

- adjuster
- claims examiner
- claims representative
- insurance adjuster

### *Inclusion(s)*

- production examiner

### *Main duties*

This group performs some or all of the following duties:

Insurance adjusters

- Investigate circumstances surrounding insurance claims to determine validity of claim
- Inspect automobile, home or other property damage



- Take statements and consult with claimants, accident witnesses, doctors and other relevant individuals and examine records or reports
- Determine amount of loss or damages covered by insurance policies
- Negotiate settlement of claims
- Prepare adjustment reports.

#### Insurance claims examiners

- Review, examine, calculate and authorize insurance claims investigated by insurance adjusters
- Examine adjusters' reports and similar insurance claims or precedents to determine extent of insurance coverage
- Ensure claims are valid and settlements are made according to company practices and procedures
- Consult lawyers, doctors or other relevant individuals to discuss insurance claims
- Approve automobile, fire, life, disability, dental or other insurance claims.

#### *Employment requirements*

- Completion of secondary school is required.
- A bachelor's degree, college diploma or some post-secondary education or  
Several years of experience as a clerk in the claims department or other general insurance experience is required.
- Several years of on-the-job training and completion of insurance industry courses and training programs are required.
- Independent adjusters require a provincial licence issued by the Superintendent of Insurance in the province or territory of employment.

#### *Additional information*

- Completion of educational programs through the Insurance Institute of Canada or its provincial counterparts entitles insurance adjusters and claims examiners to professional recognition as a Chartered Insurance Professional (CIP), and with additional university courses, as a Fellow Chartered Insurance Professional (FCIP).

## **12202 Insurance underwriters**

Insurance underwriters review and evaluate insurance applications to determine insurance risks, insurance premiums and extent of insurance coverage according to company policies. They are employed at head and branch offices of insurance companies.

#### *Illustrative example(s)*

- group underwriter
- insurance underwriter
- liability underwriter
- property underwriter

#### *Inclusion(s)*

- casualty insurance products analyst-designer
- insurance rating analyst

### *Exclusion(s)*

- Insurance agents and brokers (63100)
- Insurance manager (See 10020-Insurance, real estate and financial brokerage managers)

### *Main duties*

This group performs some or all of the following duties:

- Review individual and group applications for automobile, fire, health, liability, life, property, marine, aircraft and other insurance
- Evaluate new and renewal applications to determine insurance risks, insurance premiums, extent of insurance coverage and other conditions of the insurance contract using medical reports, rate tables and other documents and reference materials; adjust premiums, coverage or risk itself to make acceptance of new and renewal applications possible
- Approve sale of insurance policies and ensure compliance with government regulations
- Provide recommendations on individual or group insurance plan designs
- Provide underwriting advice and answer inquiries from clients and from insurance agents, consultants and other company personnel
- Prepare underwriting reports and update insurance forms when necessary.

### *Employment requirements*

- Completion of secondary school and some general insurance experience  
or  
A bachelor's degree, college diploma or some post-secondary education is required.
- Several years of on-the-job training and completion of insurance industry underwriting courses and training programs are required.

### *Additional information*

- Progression to management positions in the insurance industry is possible with experience.
- Completion of educational programs through the Insurance Institute of Canada or its provincial counterparts entitles insurance underwriters to professional recognition as a Chartered Insurance Professional (CIP) and, with additional university courses, as a Fellow, Chartered Insurance Professional (FCIP).

## **12203 Assessors, business valuers and appraisers**

Assessors and appraisers determine the value of land, businesses, estates and other real property, for purposes of sale, purchase, taxation or disposal of assets. Appraisers also determine the value of personal and household items. Business valuers quantify the value of a business, its securities or its intangible assets. Assessors, business valuers and appraisers are employed by government agencies, real estate firms and other private companies, or they may be self-employed.

### *Illustrative example(s)*

- accredited appraiser
- business valuator
- chartered business valuator (CBV)
- property assessor
- property valuator
- real estate appraiser

*Inclusion(s)*

- real estate analyst

*Exclusion(s)*

- Financial and investment analysts (11101)
- Financial auditors and accountants (11100)
- Insurance adjusters and claims examiners (12201)
- Jewellery appraiser (See 62202-Jewellers, jewellery and watch repairers and related occupations)
- Land agent (See 12102-Procurement and purchasing agents and officers)
- Market analyst - non-financial (See 41402-Business development officers and market researchers and analysts)
- Property administrators (13101)
- Right-of-way agent (See 12102-Procurement and purchasing agents and officers)

*Main duties*

This group performs some or all of the following duties:

*Assessors*

- Assess value of land, building, structures, machinery, equipment and property improvements for purposes of taxation, grants and regional planning and prior to sale or purchase
- Review and analyze data such as past sales, title searches, engineering and alignment maps, soil maps, subdivision plans, water and sewer plans, leasing cost data and easements
- Explain assessment process to ratepayers
- May specialize in advising and consulting in a specific field of assessment such as residential, commercial, industrial, institutional or farm lands.

*Business valuers*

- Collect and analyze financial records of a business, such as financial statements, budgets, projections and sales data, to assess its competitiveness or to estimate its market value
- Prepare reports for estate planning, matrimonial litigation, insurance and business losses
- Appear as an expert witness before courts, security regulators and other regulatory boards and commissions.

*Appraisers*

- Appraise value of property, building, industrial and commercial machinery and equipment and personal and household items
- Prepare appraisal reports for lending agencies, insurance companies, government departments, courts, attorneys, creditors, buyers or auctioneers.

*Employment requirements*

- Assessors require a college diploma in municipal assessment and Accreditation with the municipal assessment association of the province.

- Business valuers usually require a bachelor's degree or college diploma in accounting, business or commerce and Accreditation with the Canadian Institute of Chartered Business Valuers based on successful completion of its business and security valuation program.
- Appraisers require a college diploma or vocational training in the field of appraisal or Several years of experience in a position related to the field of appraisal.
- In Quebec, membership with l'Ordre des évaluateurs agréés du Québec (OEAQ) is required to use the title chartered appraiser.
- Real estate appraisers usually require several years of experience as a real estate agent, right-of-way agent or property administrator and may require Canadian residential appraiser certification.
- Appraisers of residential, commercial or industrial property require accreditation with the Appraisal Institute of Canada.

#### *Additional information*

- Progression to management positions in each field is possible with experience.
- Assessors may specialize in advising and consulting in a specific field of assessment such as residential, commercial, industrial, institutional or farm lands.
- Appraisers may specialize in a specific type of appraisal such as real estate appraisal.

## **13 Administrative occupations and transportation logistics occupations**

This major group comprises administrative occupations, transportation and production logistics coordinators and customs brokers, and related broker occupations. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

### **131 Administrative occupations**

This sub-major group comprises administrative occupations, including administrative, property and payroll officers, as well as office administrative assistants (general, legal and medical).

#### **1310 Administrative, property and payroll officers**

This minor group comprises administrative, property and payroll officers, including administrative officers, property administrators and payroll administrators. They are employed by governments, government agencies, corporations and associations; property, real estate and strata services management companies and property development companies.

##### **13100 Administrative officers**

Administrative officers oversee and implement administrative procedures, establish work priorities, conduct analyses of administrative operations and coordinate acquisition of administrative services such as office space, supplies and security services. They are employed throughout the public and private sectors. Administrative officers who are supervisors are included in this unit group.

*Illustrative example(s)*

- access to information and privacy officer
- administrative officer
- administrative services coordinator
- forms management officer
- office administrator
- office manager
- office services coordinator
- planning officer
- records analyst - access to information
- surplus assets officer
- university admissions officer

*Inclusion(s)*

- communications service coordinator
- exam invigilator - post-secondary institution
- exam supervisor - post-secondary institution
- implementation officer
- liaison officer
- public trustee
- regional services chief
- relocation commissioner

*Exclusion(s)*

- Administrative services manager (See 10019-Other administrative services managers)
- Conference and event planners (12103)
- Executive assistants (12100)
- Property administrators (13101)

*Main duties*

This group performs some or all of the following duties:

- Oversee and coordinate office administrative procedures and review, evaluate and implement new procedures
- Establish work priorities, delegate work to office support staff, and ensure deadlines are met and procedures are followed
- Carry out administrative activities associated with admissions to post-secondary educational institutions
- Administer policies and procedures related to the release of records in processing requests under government access to information and privacy legislation
- Coordinate and plan for office services, such as accommodation, relocations, equipment, supplies, forms, disposal of assets, parking, maintenance and security services
- Conduct analyses and oversee administrative operations related to budgeting, contracting and project planning and management processes
- Assist in preparation of operating budget and maintain inventory and budgetary controls

- Assemble data and prepare periodic and special reports, manuals and correspondence
- May supervise records management technicians and related staff.

#### *Employment requirements*

- Completion of secondary school is required.
- A university degree or college diploma in business or public administration may be required.
- Experience in a senior clerical or executive secretarial position related to office administration is usually required.
- Project management certification may be required by some employers.

#### *Additional information*

- Progression to administrative service management positions is possible with experience.

### **13101 Property administrators**

Property administrators perform administrative duties and coordinate activities related to the management and rental of investment property and real estate on behalf of property and strata property owners. They are employed by property, real estate and strata services management companies, property development companies and by government.

#### *Illustrative example(s)*

- accommodation officer
- apartment rental agent
- housing project manager
- property administrator
- property leasing coordinator
- property rentals manager

#### *Inclusion(s)*

- landlord/landlady

#### *Exclusion(s)*

- Building superintendent (See 73201-General building maintenance workers and building superintendents)
- Facility operation and maintenance managers (70012)
- Real estate agents and salespersons (63101)

#### *Main duties*

This group performs some or all of the following duties:

- Negotiate or approve rental or lease of various properties in a portfolio on behalf of property owners and ensure that terms of lease agreement are met
- Prepare and administer contracts for provision of property services, such as cleaning and maintenance, security services and alarm systems
- Coordinate the implementation of repairs, maintenance and renovations carried out on buildings and monitor progress and cost of work for property owners

- Compile and maintain records on operating expenses and income, prepare reports and review rents to ensure they are at market value
- Ensure that trouble calls received from clients or tenants are acted upon
- Administer damage deposits
- May hire and supervise rental agents, property clerks, building superintendents or other support staff performing operational, clerical or maintenance duties.

#### *Employment requirements*

- Completion of secondary school is required in all provinces and territories except for British Columbia.
- A language proficiency index is required in British Columbia.
- Property administrators must be a minimum of nineteen years of age in British Columbia.
- Completion of training courses or a vocational program in property or strata management or real estate may be required.
- Several years of administrative experience as a property clerk, contract clerk, or administrative officer are usually required.
- Strata property managers must hold a licence in British Columbia.

### **13102 Payroll administrators**

Payroll administrators collect, verify and process payroll information, determine pay and benefit entitlements for employees, maintain accurate payroll records, and provide payroll information within a department, company or other establishment. They are employed by payroll administration companies and by establishments throughout the public and private sectors.

#### *Illustrative example(s)*

- benefits officer - payroll administration
- pay advisor
- pay and benefits administrator
- pay and benefits clerk
- pay clerk
- payroll clerk
- payroll officer
- salary administration officer

#### *Exclusion(s)*

- Benefits officer - government services (See 12104-Employment insurance and revenue officers)
- Human resources and recruitment officers (12101)
- Payroll clerk supervisor (See 12011-Supervisors, finance and insurance office workers)
- Personnel clerks (14102)

#### *Main duties*

This group performs some or all of the following duties:

- Maintain and update employee information, such as records of employee attendance, leave and overtime to calculate pay and benefit entitlements, in Canadian and other currencies, using manual or computerized systems

- Prepare and verify statements of earnings for employees, indicating gross and net salaries and deductions such as taxes, union dues, garnishments and insurance and pension plans
- Prepare, verify and process all employee payroll related payments, including regular pay, benefit payments, and special payments such as bonuses and vacation pay
- Complete, verify and process forms and documentation for administration of benefits such as pension plans, leaves, share savings, employment and medical insurance
- Prepare payroll related filings and supporting documentation, such as year-end tax statements, pension, Records of Employment and other statements
- Provide information on payroll matters, benefit plans and collective agreement provisions
- Compile, review, and monitor statistical reports, statements, and summaries related to pay and benefits accounts
- Prepare and balance period-end reports and reconcile issued payrolls to bank statements
- Identify and resolve payroll discrepancies
- May be responsible for the development and/or implementation of payroll policies, procedures or processes.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of college or other courses in accounting, bookkeeping or payroll administration or Experience in payroll administration is usually required.
- Payroll association certification may be required.
- Experience using a payroll system or software may be required.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

### **1311 Office administrative assistants - general, legal and medical**

This minor group comprises office administrative assistants such as general administrative assistants, legal administrative assistants and medical administrative assistants. They are employed in law offices, legal departments of large firms, real estate companies, land title offices, and municipal, provincial and federal courts; doctor's offices, hospitals, medical clinics and other medical settings; and throughout the public and private sectors.

#### **13110 Administrative assistants**

Administrative assistants perform a variety of administrative duties in support of managerial and professional employers. They are employed throughout the public and private sectors.

#### *Illustrative example(s)*

- administrative assistant
- executive secretary (except legal and medical)
- office administrative assistant
- private secretary
- secretary (except legal and medical)
- technical secretary



*Inclusion(s)*

- secretary-clerk

*Exclusion(s)*

- Court reporters, medical transcriptionists and related occupations (12110)
- Executive assistants (12100)
- Legal administrative assistants (13111)
- Medical administrative assistants (13112)
- Office manager (See 13100-Administrative officers)

*Main duties*

This group performs some or all of the following duties:

- Prepare, key in, edit and proofread correspondence, invoices, presentations, brochures, publications, reports and related material from machine dictation and handwritten copy
- Open and distribute incoming regular and electronic mail and other material and coordinate the flow of information internally and with other departments and organizations
- Schedule and confirm appointments and meetings of employer
- Order office supplies and maintain inventory
- Answer telephone and electronic enquiries and relay telephone calls and messages
- Set up and maintain manual and computerized information filing systems
- Determine and establish office procedures
- Greet visitors, ascertain nature of business and direct visitors to employer or appropriate person
- Record and prepare minutes of meetings
- Arrange travel schedules and make reservations
- May compile data, statistics and other information to support research activities
- May supervise and train office staff in procedures and in use of current software
- May organize conferences.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a one- or two-year college or other program for administrative assistants or secretaries or  
Previous clerical experience is required.

**13111 Legal administrative assistants**

Legal administrative assistants perform a variety of secretarial and administrative duties in law offices, legal departments of large firms, real estate companies, land title offices, municipal, provincial and federal courts and government.

*Illustrative example(s)*

- administrative assistant - legal
- corporate law legal assistant
- legal assistant

- legal assistant - criminal law
- legal secretary
- litigation legal assistant
- litigation secretary
- real estate secretary

#### *Exclusion(s)*

- By-law clerk (See 14301-Correspondence, publication and regulatory clerks)
- Court recorder (See 12110-Court reporters, medical transcriptionists and related occupations)
- Paralegal and related occupations (See 42200-Paralegals and related occupations)

#### *Main duties*

This group performs some or all of the following duties:

- Prepare and key in correspondence and legal documents, such as deeds, wills, affidavits and briefs, from handwritten copy, shorthand and machine dictation using computers
- Review and proofread documents and correspondence to ensure compliance with legal procedures and grammatical usage
- Schedule appointments, meetings and conferences for employer
- Set up and maintain filing systems, utilizing knowledge of legal records and procedures and frequently controlling confidential materials and documents
- Open and distribute regular and electronic incoming mail and other material and coordinate the flow of information internally and with other departments or organizations
- Determine and establish office procedures and routines
- May supervise and train other staff in procedures and in the use of current software
- May attend court, meetings or conferences to take notes, minutes and dictation
- May perform other general office work as required including preparing financial statements.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a one- or two-year college or other program for secretaries or legal secretaries is usually required.

### **13112 Medical administrative assistants**

Medical administrative assistants perform a variety of secretarial and administrative duties in doctor's offices, hospitals, medical clinics and other medical settings.

#### *Illustrative example(s)*

- administrative assistant - medical
- medical secretary
- ward secretary

*Exclusion(s)*

- Health information management occupations (12111)
- Medical records clerk (See 14100-General office support workers)
- Medical transcriptionist (See 12110-Court reporters, medical transcriptionists and related occupations)

*Main duties*

This group performs some or all of the following duties:

- Schedule and confirm medical appointments and receive and communicate messages for medical staff and patients
- Enter and format electronically based medical reports and correspondence and prepare spreadsheets and documents for review
- Interview patients in order to complete forms, documents and case histories
- Complete insurance and other claim forms
- Initiate and maintain confidential medical files and records
- Prepare draft agendas for meetings and take, transcribe and distribute minutes
- Prepare financial statements and billing
- Establish and maintain various internal office administrative support procedures such as document tracking and filing and monthly reporting
- Order supplies and maintain inventory
- Determine and establish office procedures and routines
- May supervise and train other staff in procedures and in use of current software.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a one- or two-year college program or other specialized courses for secretaries or medical secretaries is usually required.

## **132 Transportation and production logistics coordinators and customs brokers and related broker occupations**

This sub-major group comprises transportation and production logistics coordinators and customs brokers and related broker occupations.

### **1320 Transportation and production logistics coordinators and customs brokers and related broker occupations**

This minor group comprises transportation and production logistics coordinators and customs brokers and related broker occupations. They are employed by manufacturing and construction companies, printing and publishing companies and other industrial establishments; and by customs, ship and other brokerage establishments; and throughout the public and private sectors; or they may be self-employed.

#### **13200 Customs, ship and other brokers**

Customs brokers clear goods through customs and to their destination on behalf of importer and exporter clients. Shipbrokers buy and sell cargo space on ships and buy and sell ships, yachts and other watercraft on behalf of clients. This unit group also includes other brokers who negotiate commercial transactions, logistics or other services, not elsewhere classified, between parties on behalf of clients. They are employed by customs, ship or other brokerage establishments or may be self-employed.

*Illustrative example(s)*

- cargo broker
- chartered shipbroker
- customs broker
- gas broker
- licensed customs broker
- shipbroker

*Inclusion(s)*

- ship line agent

*Exclusion(s)*

- Insurance broker (See 63100-Insurance agents and brokers)
- Insurance, real estate and financial brokerage managers (10020)
- Securities agents, investment dealers and brokers (11103)

*Main duties*

This group performs some or all of the following duties:

Customs brokers

- Prepare and process import/export documents and other forms on behalf of clients according to customs regulations, laws and procedures
- Sign import/export documents on behalf of client, using power of attorney
- Arrange for payment of duties, taxes, storage and transportation of imported goods and bonds to cover duty goods
- Quote duty and tax rates on commodities for clients
- Provide advice to clients on export and import restrictions, tariff systems, letters of credit, insurance requirements and other custom related matters
- May represent client before administrative tribunals or in other dealings with government officials.

Shipbrokers

- Buy and sell cargo space on ships on behalf of individuals, companies and governments
- Consult trade publications and other sources to provide information to clients on available cargo space, destinations, rates and departure locations and times, and arrange ship charters for clients
- Negotiate rates and terms and prepare contracts and other papers
- Buy and sell ships, yachts and other watercraft on behalf of clients
- Inspect vessels, explain features and negotiate price when purchasing or selling for clients
- Arrange for insurance coverage for cargo or for ships
- Arrange for registration and licensing of ships.

*Employment requirements*

- Completion of secondary school, and some post-secondary education in commerce or a related field is required.

- Customs brokers require several years of on-the-job training and completion of a customs brokers training program through the International Federation of Customs Brokers Association.
- A customs broker licence, issued by the Canada Border Services Agency, is required for an individual or company to operate a customs brokerage business.
- Shipbrokers selling cargo space on ships usually require several years of on-the-job training or related experience such as shipping company scheduling experience. Shipbrokers selling watercraft usually require in-depth experience with, and knowledge of, various watercraft.
- Correspondence courses from the Institute of Chartered Shipbrokers are available for shipbrokers.

#### *Additional information*

- There is no mobility between the different types of brokers in this unit group.

### **13201 Production and transportation logistics coordinators**

Production logistics coordinators coordinate and expedite the flow of work within an establishment, prepare work and production schedules and monitor the progress of production and construction projects. Transportation logistics coordinators coordinate and monitor the movement of products and ensure that products are shipped and received on schedule. They are employed by manufacturing and construction companies and other industrial establishments.

#### *Illustrative example(s)*

- dispatch logistician
- freight forwarding logistician
- production coordinator
- production scheduler
- supply chain coordinator - production
- supply control coordinator

#### *Exclusion(s)*

- Production logistics workers (14402)
- Purchasing and inventory control workers (14403)
- Shippers and receivers (14400)
- Storekeepers and partspersons (14401)
- Supervisors, supply chain, tracking and scheduling coordination occupations (12013)

#### *Main duties*

This group performs some or all of the following duties:

##### Production logistics coordinators

- Plan, organize and oversee operational logistics of supply-chain work units or departments
- Consult with production supervisor to schedule production runs in a cost and time-efficient manner
- Communicate regularly with other production coordinators, warehouse, production and construction supervisors and purchasing and inventory clerks to coordinate activities between warehouses, production floors, construction sites or other supply chain work units or departments
- Maintains inventory of materials and parts needed to complete production
- Prepare and maintain various reports on the progress of work, materials used, rates of production and other production information, using manual or computerized systems.

### Transportation logistics coordinators

- Coordinate and monitor logistics of the movement of parts, supplies and materials within an establishment and ensure that supplies, materials and products are shipped and received on schedule
- Prepare and process all customs documents for International & U.S. shipments.

### *Employment requirements*

- Completion of a post-secondary education program of less than two years in Business or Supply Chain Management or extensive experience as a dispatcher, production clerk or scheduling clerk is usually required.

### *Additional information*

- Progression to supervisory positions is possible with experience.

## **14 Administrative and financial support and supply chain logistics occupations**

This major group comprises administrative and financial support and supply chain logistics occupations, including office support and data entry occupations; financial, insurance and related administrative support workers; library, correspondence and other clerks, and supply chain logistics, tracking and scheduling coordination occupations. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 4. Occupations classified in TEER 4, as those included in this group with a 4 as the second digit of their code, typically require completion of secondary school; or several weeks of on-the-job training with some secondary school education; or experience in a related occupation from TEER 5, when applicable (TEER 5 includes occupations with a 5 as a second digit in their code).

### **141 Office, court, and data support occupations**

This sub-major group comprises office, court, and data support occupations, including general office support workers, receptionists, personnel clerks, court clerks and related court services occupations, as well as survey, statistical and data entry occupations.

#### **1410 Office support and court services occupations**

This minor group comprises office support and court services occupations, including general office support workers, receptionists, personnel clerks, court clerks and related court services occupations. They are employed by hospitals and medical, dental and other offices; in personnel departments; by federal, provincial, territorial and municipal courts; and in offices throughout the public and private sectors.

##### **14100 General office support workers**

General office support workers prepare correspondence, reports, statements and other material, operate office equipment, answer telephones, verify, record and process forms and documents such as contracts and requisitions and perform general clerical duties according to established procedures. They are employed in offices throughout the public and private sectors.

### *Illustrative example(s)*

- administrative clerk
- aircraft records clerk
- file and classification clerk
- filing clerk
- general office worker
- medical records clerk

- office assistant
- office clerk
- records filing-system clerk
- technical records clerk
- ward clerk - hospital
- warranty clerk

#### *Inclusion(s)*

- course coordinator

#### *Exclusion(s)*

- Accounting and related clerks (14200)
- Administrative assistants (13110)
- Administrative officers (13100)
- Court clerks and related court services occupations (14103)
- Data entry clerks (14111)
- Personnel clerks (14102)
- Receptionists (14101)
- Records management technicians (12112)
- Supervisors, general office and administrative support workers (12010)

#### *Main duties*

This group performs some or all of the following duties:

##### General office support workers

- Respond to telephone, in person or electronic enquiries or forward to appropriate person
- Prepare correspondence, reports, statements, forms, presentations, applications and other documents
- Process incoming and outgoing mail, manually or electronically
- Photocopy and collate documents for distribution, mailing and filing
- Send and receive messages and documents using fax machine or electronic mail
- Maintain inventory of office supplies, order supplies as required and arrange for servicing of office equipment
- Assist in preparing meeting agendas, attend meetings, and record minutes
- Assist with administrative procedures such as budget submissions, contracts administration and work schedules
- May sort, process and verify receipts, expenditures, forms and other documents
- May organize the flow of work for other office support workers
- May perform basic bookkeeping tasks such as preparing invoices and bank deposits.

##### File clerks

- Scan, sort and file documents according to established guidelines
- Locate, retrieve, or make copies of documents from files as requested and maintain records of filed and removed materials
- Track documents removed from files to ensure that loan out documents are returned.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of secondary school or college business or commercial courses is usually required.

### *Additional information*

- Progression to supervisory or office management positions is possible with experience.
- Progression to officer level positions is possible with additional training and experience.

## **14101 Receptionists**

Receptionists greet people arriving at offices, hospitals and other establishments, direct visitors to appropriate person or service, answer and forward telephone calls, take messages, schedule appointments and perform other clerical duties. They are employed by hospitals, medical and dental offices and other offices throughout the public and private sectors. Telephone operators are included in this group.

### *Illustrative example(s)*

- answering service operator
- appointment clerk
- business receptionist
- dental receptionist
- hospital admitting clerk
- medical receptionist
- office reception clerk
- receptionist
- switchboard operator
- telephone operator
- telephone service assistant
- telereceptionist
- toll operator

### *Inclusion(s)*

- mail and message distribution clerk
- medical office assistant

### *Exclusion(s)*

- 911 dispatcher (14404-Dispatchers)
- Hotel front desk clerks (64314)
- Other customer and information services representatives (64409)
- Supervisors, general office and administrative support workers (12010)



*Main duties*

This group performs some or all of the following duties:

*Receptionists*

- Greet people coming into offices and other establishments, direct them to the appropriate contacts or services, provide general information in person and by phone, and may perform clerical duties and maintain front desk security and security access lists
- Schedule appointments, using manual or computerized systems
- Record bookings, handle credit card checks, receive payment, issue receipts.

*Hospital admitting clerks*

- Interview patients to obtain and process information required to provide hospital and medical services
- Greet patients, schedule appointments, using manual or computerized systems, receive and record payment for services, and direct patients to appropriate areas.

*Switchboard and answering service operators*

- Operate a telephone system or switchboard to answer, screen and forward telephone calls, take messages and provide information as required, and may perform clerical duties
- Answer telephones and record and relay messages.

*Telephone operators*

- Operate telephone systems to advance and complete customers' telephone calls such as long distance, pay telephone, mobile radio/telephone and person to person calls, arrange teleconferences, provide relay phone service to persons with disabilities, and may calculate and record billing information.

*Employment requirements*

- Completion of secondary school is usually required.
- On-the-job training may be provided.

*Additional information*

- Some receptionists are required to be bilingual or multilingual to perform their duties.
- Progression to supervisory positions is possible with experience.

**14102 Personnel clerks**

Personnel clerks assist personnel officers and human resources specialists and compile, maintain and process information relating to staffing, recruitment, training, labour relations, performance evaluations and classifications. They are employed in personnel departments throughout the private and public sectors.

*Illustrative example(s)*

- classification clerk - human resources
- employment clerk
- human resources assistant
- human resources clerk
- labour relations clerk
- personnel services clerk

- staffing clerk
- training clerk

#### *Exclusion(s)*

- Human resources and recruitment officers (12101)
- Human resources professionals (11200)
- Payroll administrators (13102)
- Supervisors, general office and administrative support workers (12010)

#### *Main duties*

This group performs some or all of the following duties:

- Process, verify and register documentation relating to personnel activities such as staffing, recruitment, training, grievances, performance evaluations and classifications
- Maintain and update manual and computerized filing and registration systems, and compile and prepare reports and documents relating to personnel activities
- Respond to telephone and written enquiries from staff and the general public regarding personnel matters
- Arrange for advertising or posting of job vacancies, assist in screening and rating of job applicants, and conduct reference checks
- Administer and score employment tests, such as keyboarding and proofreading tests
- Arrange for in-house and external training activities.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of college or other courses in personnel administration may be required.
- Some clerical experience may be required.

#### *Additional information*

- Progression to supervisory positions is possible with experience.
- Progression to officer level positions is possible with additional training and experience.

### **14103 Court clerks and related court services occupations**

Court clerks and workers in related court services occupations perform administrative, security, and other support functions for courts of law such as scheduling trials, processing service fees, calling court to order, preparing court dockets and maintaining exhibits, recording trial proceedings and maintaining court records. They also facilitate court security and public safety, liaise with law enforcement organizations, and provide support to the judiciary. They are employed by federal, provincial, territorial and municipal courts and by police forces.

#### *Illustrative example(s)*

- court administrator
- court clerk
- court clerk supervisor
- court clerk-crier
- court officer
- criminal court clerk

- judicial clerk
- provincial court clerk

#### *Exclusion(s)*

- Administrative assistant - judicial (See 13111-Legal administrative assistants)
- Court reporters, medical transcriptionists and related occupations (12110)
- Judicial assistant (See 13111-Legal administrative assistants)
- Law clerk (See 42200-Paralegals and related occupations)
- Sheriffs and bailiffs (43200)

#### *Main duties*

This group performs some or all of the following duties:

##### Court clerks

- Call courts of law to order, read charges, take pleas from defendants, swear in witnesses and perform other clerical functions in the courtrooms
- Prepare court files, court dockets and other documents
- Record main court proceedings, including pleas, names of witnesses, dates, times and rulings
- Manage care and custody of court exhibits
- Prepare documents for and participate in jury selection
- Update and maintain court office paper and electronic indexes and files on actions taken by court or in response to court decisions
- Receive, disburse and account for fines, fees and trust monies
- Assist the public in court offices.

##### Court officers

- Stock courtrooms with necessary materials before trials
- Escort the judge to the courtroom
- Maintain the security and safety of the judge and courtroom
- Monitor proceedings and uphold the rules and procedures of the court
- Read charges and take pleas from defendants
- Transport prisoners to and from the court house and detention centres, psychiatric hospitals, police divisions, or elsewhere
- Maintain the security of prisoners in the cell area of courthouses and while escorting prisoners to and from courtrooms or elsewhere
- Maintain prisoner records.

##### Court administrators

- Coordinate administrative services and establish work priorities for court staff
- Supervise court clerks and other court services occupations
- Schedule court trials, pre-trial conferences and hearings
- Oversee the maintenance of judicial court records
- Assist in preparing annual budgets
- May assist in the management of personnel, operations, and the court facilities.

### *Employment requirements*

- Completion of secondary school is required.
- On-the-job training is provided for court officers, court clerks, and court liaison officers.
- Special Constable Certification may be required for court officers and court liaison officers.
- Court clerks and court officers may require a 1-2 year post-secondary diploma in office administration or equivalent.
- Court administrators usually require a 1-2 year post-secondary diploma, or may require a university degree in law, business administration, judicial administration, or related field.
- Some experience as a court clerks may be required for court administrators.
- Experience in clerical services, administration and management, and personnel information systems may be required for court administrators.

### *Additional information*

- Progression to supervisory or senior court service positions is possible with experience.
- Duties of court administrators may include those of court clerks or court officers depending on the location and size of the courthouse.

## **1411 Survey, statistical and data entry occupations**

This minor group comprises survey, statistical and data entry occupations, including survey interviewers and statistical clerks, data entry clerks, and desktop publishing operators and related occupations. They are employed by market research and polling firms, government departments and agencies, utility companies, contact centres and other establishments throughout the public and private sectors.

### **14110 Survey interviewers and statistical clerks**

Survey interviewers contact individuals to gather information for market research, public opinion polls or election and census enumeration. Statistical clerks code and compile interview and other data into reports, lists, directories and other documents. They are employed by market research and polling firms, government departments and agencies, utility companies, contact centres and other establishments. This unit group also includes clerks who observe and record information on traffic flow.

#### *Illustrative example(s)*

- census enumerator
- coding clerk - statistics
- election enumerator
- interview clerk
- poll clerk
- public opinion interviewer
- statistical clerk
- survey interviewer
- telephone survey clerk

#### *Inclusion(s)*

- meter reader

*Exclusion(s)*

- Correspondence, publication and regulatory clerks (14301)
- Other customer and information services representatives (64409)
- Statistical officers and related research support occupations (12113)
- Telemarketer (See 65109-Other sales related occupations)

*Main duties*

This group performs some or all of the following duties:

*Survey interviewers*

- Contact individuals by telephone or in person and explain the purpose of the interview
- Ask questions following the outlines of questionnaires and surveys
- Record responses on paper or enter responses directly into a computer database through computer-assisted interviewing systems.

*Statistical clerks*

- Check information gathered for completeness and accuracy
- Code information according to established coding manuals and enter data into statistical-based computer programs
- Conduct routine statistical analysis of data
- Compile interview and other data into reports and lists.

*Employment requirements*

- Completion of secondary school may be required.
- Experience in the operation of a computer may be required.
- On-the-job training is usually provided.
- May require driver's licence.

**14111 Data entry clerks**

Data entry clerks input coded, statistical, financial and other information into computerized databases, spreadsheets or other templates using a keyboard, mouse, or optical scanner, speech recognition software or other data entry tools. They are employed in the private and public sectors.

*Illustrative example(s)*

- data control clerk
- data entry operator
- data input clerk
- data processor
- payment entry clerk

*Exclusion(s)*

- General office support workers (14100)
- Supervisors, general office and administrative support workers (12010)

### *Main duties*

This group performs some or all of the following duties:

- Receive and register invoices, forms, records and other documents for data capture
- Input data into computerized databases, spreadsheets or other templates using a keyboard, mouse, or optical scanner, speech recognition software or other data entry tools
- Import and/or export data between different kinds of software
- Verify accuracy and completeness of data
- Identify, label and organize electronic storage media
- Maintain libraries of electronic storage media.

### *Employment requirements*

- Completion of secondary school may be required.
- College or other courses in data entry may be required.

### *Additional information*

- Progression to senior positions is possible with experience.

## **14112 Desktop publishing operators and related occupations**

Desktop publishing operators and workers in related occupations use computers to enter copy into a typesetting system or operate typesetting output equipment to produce text that is ready to print. They are employed by firms that specialize in typesetting, commercial printing companies, publishing and printing companies and various establishments in the public and private sectors that have in-house printing departments.

### *Illustrative example(s)*

- braille keyboard operator - typesetting
- compositor - typesetting
- computer typesetter
- copy marker - typesetting
- desktop compositor
- desktop publishing (DTP) operator
- input operator - typesetting
- markup person - typesetting
- output operator - typesetting
- photocomposition typesetter
- photocompositor
- phototypesetting machine operator
- typographer

### *Inclusion(s)*

- terminal operator

*Exclusion(s)*

- Desktop publishing operators supervisor (See 12010-Supervisors, general office and administrative support workers)
- File preparation operator (See 94151-Camera, platemaking and other prepress occupations)
- Graphic arts copy stylist (See 52111-Graphic arts technicians)
- Graphic designers and illustrators (52120)
- Paste-up artist (See 52111-Graphic arts technicians)
- Pre-flight operator - printing (See 94151-Camera, platemaking and other prepress occupations)
- Proofreader (See 14301-Correspondence, publication and regulatory clerks)

*Main duties*

This group performs some or all of the following duties:

*Desktop publishing operators*

- Operate desktop publishing software and equipment to design, lay out and produce camera-ready copy and may perform pre-flight operator duties
- Mark copy with computer codes and typographic instructions before it is typeset.

*Typesetting input and output operators*

- Input copy, codes or commands and subsequent corrections into typesetting device or system
- Operate media conversion equipment to process and format copy transmitted through telecommunications
- Operate and tend typesetting output devices, load and process photosensitive material and perform routine maintenance.

*Employment requirements*

- Completion of secondary school is required.
- Completion of a college program in graphic arts, or other training in typography, computer typesetting or desktop publishing, is usually required.

*Additional information*

- Progression to supervisory positions is possible through experience.

**142 Financial, insurance and related administrative support workers**

This sub-major group comprises financial, insurance and related administrative support workers, including accounting and related clerks; banking, insurance and other financial clerks; and collection clerks.

**1420 Financial, insurance and related administrative support workers**

This minor group comprises financial, insurance and related administrative support workers, including accounting and related clerks; banking, insurance and other financial clerks; and collection clerks. They are employed by banks; credit companies; public and private insurance establishments; investment firms and other financial establishments; collection agencies; utility companies; department stores; loan companies; credit unions; and financial and licensing departments within governments; and throughout the public and private sectors.

## 14200 Accounting and related clerks

Accounting and related clerks calculate, prepare and process bills, invoices, accounts payable and receivable, budgets and other financial records according to established procedures. They are employed throughout the private and public sectors.

### *Illustrative example(s)*

- accounting clerk
- accounts payable clerk
- accounts receivable clerk
- audit clerk
- billing clerk
- budget clerk
- costing clerk
- deposit clerk
- finance clerk
- freight-rate clerk
- income tax return preparer
- invoice clerk
- ledger clerk
- tax clerk

### *Inclusion(s)*

- wharf clerk

### *Exclusion(s)*

- Accounting technicians and bookkeepers (12200)
- Banking, insurance and other financial clerks (14201)
- Collection clerks (14202)
- Financial auditors and accountants (11100)
- Payroll administrators (13102)
- Supervisors, finance and insurance office workers (12011)

### *Main duties*

This group performs some or all of the following duties:

- Calculate, prepare and issue documents related to accounts such as bills, invoices, inventory reports, account statements and other financial statements using computerized and manual systems
- Code, total, batch, enter, verify and reconcile transactions such as accounts payable and receivable, payroll, purchase orders, cheques, invoices, cheque requisitions, and bank statements in a ledger or computer system
- Compile budget data and documents based on estimated revenues and expenses and previous budgets
- Prepare period or cost statements or reports
- Calculate costs of materials, overhead and other expenses based on estimates, quotations, and price lists



- Respond to customer inquiries, maintain good customer relations and solve problems
- Perform related clerical duties, such as word processing, maintaining filing and record systems, faxing and photocopying.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of college or other courses certified by the Certified General Accountants Association of Canada, Canadian Securities Institute or Canadian Bookkeepers Association may be required.
- Some accounting clerks must be bondable.

#### *Additional information*

- Progression to supervisory or skilled financial occupations, such as accounts payable supervisor, bookkeeper or office manager is possible with additional training and experience.

### **14201 Banking, insurance and other financial clerks**

Banking, insurance and other financial clerks compile, process and maintain banking, insurance and other financial information. They are employed by banks, credit companies, private and public insurance establishments, investment firms and other financial establishments throughout the private and public sectors.

#### *Illustrative example(s)*

- actuarial clerk
- bank clerk
- credit clerk
- dental claims clerk
- dividend calculation clerk
- insurance clerk - financial sector
- insurance rater
- ledger control clerk
- loan clerk - financial sector
- mortgage clerk
- premium rater - insurance
- real estate clerk
- securities clerk - financial sector

#### *Exclusion(s)*

- Accounting technicians and bookkeepers (12200)
- Customer services representatives - financial institutions (64400)
- Supervisors, finance and insurance office workers (12011)

#### *Main duties*

This group performs some or all of the following duties:

##### Bank Clerks

- Compile records of deposits, withdrawals, loan and mortgage payments, cheques and purchase, sale and exchange of securities

- Process loan and mortgage applications, loan and mortgage payments, retirement savings plan applications, term deposits, drafts and money orders
- Verify and balance automatic teller machine transactions and ledger entries, calculate service charges and interest payments and notify customers regarding account discrepancies and captured bank cards
- Answer enquiries and provide information on banking products, policies and services
- May sell drafts, money orders, travellers' cheques and foreign currency, rent safety deposit boxes and open and close savings, chequing and other accounts.

#### Insurance clerks

- Process enrolments, cancellations, claims transactions, policy changes and premium payments
- Review insurance applications and verify insurance coverage, premiums paid and other insurance information
- Calculate insurance premiums, pension benefits and annuity payments
- Compile and maintain claims data, rates and insurance data and records
- Answer enquiries and provide information on insurance products, policies and services.

#### Other financial clerks

- Compile and maintain rental, sale and other real estate listings
- Compile and maintain stock, bond and other securities listings
- Sort, verify and process real estate, securities and other financial transactions
- Answer enquiries and reply to correspondence.

#### *Employment requirements*

- Completion of secondary school is required.
- A business college diploma may be required.
- On-the-job training and short-term training courses or programs specific to the financial establishment are usually required.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

### **14202 Collection clerks**

Collection clerks collect payments on overdue accounts and bad cheques and locate debtors to make collection arrangements. They are employed by collection agencies, utility companies, department stores, loan companies, banks and credit unions, and by financial and licensing departments within governments.

#### *Illustrative example(s)*

- bill collector
- collection clerk
- collection officer (except taxation)
- collections investigation officer
- collector
- credit and collection clerk
- locator - collection
- skip tracer - collection

*Exclusion(s)*

- Accounts receivable clerk (See 14200-Accounting and related clerks)
- Collection supervisor (See 12011-Supervisors, finance and insurance office workers)
- Tax collection officer (See 12104-Employment insurance and revenue officers)

*Main duties*

This group performs some or all of the following duties:

- Notify debtors of overdue payments and accounts by telephone, mail, and registered mail, and continue the notification process if reply is not received
- Resolve collection issues by making payment arrangements by telephone or visit to debtor
- Recommend further action or discontinuation of service in cases where payment is not forthcoming
- Trace and locate debtors, and may contact debtors' friends, neighbours, relatives and employers to obtain information
- Answer correspondence, prepare reports and maintain records and files related to collection work
- May work with on-line accounts and systems.

*Employment requirements*

- Completion of secondary school is required.
- A business college diploma may be required.
- A period of on-the-job training is often provided for collection clerks and collection officers.
- A collections licence issued by the province or territory of employment is usually required.

*Additional information*

- Progression to senior or supervisory positions is possible with experience.

**143 Library, correspondence and other clerks**

This sub-major group comprises library, correspondence and other clerks, including library assistants and clerks, and the correspondence, publication and regulatory clerks.

**1430 Library, correspondence and other clerks**

This minor group comprises library, correspondence and other clerks, including library assistants and clerks, and the correspondence, publication and regulatory clerks. They are employed by libraries and other establishments with library services; newspapers, periodicals and publishing firms; and throughout the public and private sectors.

**14300 Library assistants and clerks**

Library assistants and clerks issue and receive library materials, sort and shelve books and provide general library information to users. They also perform clerical functions. Library clerks are employed by libraries or other establishments with library services.

*Illustrative example(s)*

- circulation clerk - library
- interlibrary loan clerk
- library assistant

- library page
- periodicals clerk
- reference clerk
- shelving clerk - library

*Exclusion(s)*

- Librarians (51100)
- Library technician (See 52100-Library and public archive technicians)
- Supervisors, library, correspondence and related information workers (12012)

*Main duties*

This group performs some or all of the following duties:

- Issue and receive library books and other materials
- Sort and reshelve books and other library materials
- Perform clerical activities such as manual and electronic filing and record payments received
- Maintain journal subscriptions
- Assist library users in accessing library materials and online resources, and in making interlibrary loans.

*Employment requirements*

- Completion of secondary school is usually required.

*Additional information*

- Progression to more senior positions is possible with experience and post-secondary education related to library science.

## **14301 Correspondence, publication and regulatory clerks**

Correspondence, publication and regulatory clerks write correspondence, proofread material for accuracy, compile material for publication, verify, record and process forms and documents, such as applications, licences, permits, contracts, registrations and requisitions, and perform other related clerical duties in accordance with established procedures, guidelines and schedules. They are employed by newspapers, periodicals, publishing firms and by establishments throughout the private and public sectors.

*Illustrative example(s)*

- advertising clerk
- application clerk
- authorization clerk
- by-law clerk
- classified advertising clerk
- contract clerk
- correspondence clerk
- customs clerk
- directory compiler
- documentation clerk

- editorial assistant
- licence clerk
- passport clerk
- proofreader
- publication clerk
- registration clerk
- registry clerk
- translation clerk

#### *Inclusion(s)*

- archives clerk
- press clipper
- press reader
- reader
- tests clerk

#### *Exclusion(s)*

- Professional occupations in advertising, marketing and public relations (11202)
- Supervisors, library, correspondence and related information workers (12012)

#### *Main duties*

This group performs some or all of the following duties:

##### Classified advertising clerks

- Receive customers' orders for classified advertising, write and edit copy, calculate advertising costs and bill customers.

##### Correspondence clerks

- Write business and government correspondence such as replies to requests for information and assistance, damage claims, credit and billing enquiries and service complaints.

##### Proofreaders and editorial assistants

- Assist in the preparation of periodicals, advertisements, catalogues, directories and other material for publication
- Verify facts and conduct research
- Read material prior to publication to detect and mark for correction any grammatical, typographical or compositional errors.

##### Readers and press clippers

- Read newspapers, magazines, press releases and other publications to locate and file articles of interest to staff and clients.

### Regulatory clerks

- Compile, verify, record and process applications, licences, permits, contracts, registrations, requisitions and other forms and documents in accordance with established procedures using processing systems
- Authorize and issue licences, permits, registration papers, reimbursements and other material after requested documents have been processed and approved.

### *Employment requirements*

- Completion of secondary school is required.
- Additional courses or a diploma in writing, journalism or a related field may be required.
- Previous clerical or administrative experience may be required.

### *Additional information*

- Progression to supervisory positions is possible with experience.

## **144 Supply chain logistics, tracking and scheduling coordination occupations**

This sub-major group comprises supply chain logistics, tracking and scheduling coordination occupations, including shippers and receivers, storekeepers and partspersons, production logistics workers, purchasing and inventory control workers, dispatchers and transportation route and crew schedulers.

### **1440 Supply chain logistics, tracking and scheduling coordination occupations**

This minor group comprises supply chain logistics, tracking and scheduling coordination occupations, including shippers and receivers, storekeepers and partspersons, production logistics workers, purchasing and inventory control workers, dispatchers and transportation route and crew schedulers. They are employed by utility, manufacturing, construction, forestry and mining companies; retail, wholesale, commercial, industrial, transportation and other establishments; warehouses, repair shops and hospitals; printing and publishing companies; police, fire and other emergency services; taxi, delivery and courier services; and throughout the public and private sectors.

#### **14400 Shippers and receivers**

Shippers and receivers ship, receive and record the movement of parts, supplies, materials, equipment and stock to and from an establishment. They are employed in the public sector and by retail and wholesale establishments, manufacturing companies, and other commercial and industrial establishments.

#### *Illustrative example(s)*

- freight receiver
- freight shipper
- import freight clerk
- receiver
- shipper
- shipper-receiver
- shipping agent
- shipping and receiving clerk
- supply chain assistant

*Exclusion(s)*

- Export clerk (See 14301-Correspondence, publication and regulatory clerks)
- Import clerk (See 14301-Correspondence, publication and regulatory clerks)
- Material handlers (75101)
- Purchasing and inventory control workers (14403)
- Storekeepers and partspersons (14401)
- Supervisors, supply chain, tracking and scheduling coordination occupations (12013)

*Main duties*

This group performs some or all of the following duties:

- Determine method of shipment and arrange shipping; prepare bills of lading, customs forms, invoices and other shipping documents manually or by computer
- Assemble containers and crates, record contents manually or by computer, pack goods to be shipped and affix identifying information and shipping instructions
- Oversee loading and unloading of goods from trucks or other conveyances
- Inspect and verify incoming goods against invoices or other documents, record shortages and reject damaged goods
- Unpack, code and route goods to appropriate storage areas
- Maintain internal, manual or computerized record-keeping systems
- May operate forklift, hand truck or other equipment to load, unload, transport and store goods.

*Employment requirements*

- Completion of secondary school is usually required.
- Experience in a related clerical occupation or as a warehouse worker may be required.
- A forklift certificate may be required.
- A driver's licence may be required.

*Additional information*

- Progression to supervisory positions is possible with additional training or experience.

**14401 Storekeepers and partspersons**

Storekeepers and partspersons sort, store and issue parts and supplies for use by the establishment in which they work and for sale to the public. They are employed by manufacturing companies, warehouses, retail and wholesale establishments, mining, forestry and construction companies, repair shops, hospitals and other establishments. Apprentices are also included in this unit group.

*Illustrative example(s)*

- ammunition storekeeper
- automotive partsperson - retail
- material keeper
- medical supply clerk
- motor vehicle parts clerk
- parts clerk

- parts supplier
- partsperson
- ship storeman/woman
- storekeeper
- tool room attendant

*Inclusion(s)*

- parts technician

*Exclusion(s)*

- Parts clerks supervisor (See 12013-Supervisors, supply chain, tracking and scheduling coordination occupations)
- Purchasing and inventory control workers (14403)
- Shippers and receivers (14400)

*Main duties*

This group performs some or all of the following duties:

- Receive and sort incoming parts and supplies
- Store items in an orderly and accessible manner in a warehouse, tool room, supply room or other area
- Process incoming requisitions and issue or distribute parts and supplies for internal usage
- Maintain records of orders and the amount, kind and location of parts and supplies on hand using manual or computerized inventory system
- Prepare requisition orders to replenish parts and supplies
- Sell spare and replacement parts for motor vehicles, machinery and equipment in a retail setting
- Advise retail customers or internal users on appropriateness of parts, supplies or materials requested.

Partspersons may specialize in a particular line of parts such as automotive parts, recreational vehicle parts, marine parts, heavy equipment parts, agricultural machinery parts, heating, ventilating and air conditioning parts or refrigeration parts.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program or  
Completion of specialized training in high school and a one-year college program for partspersons may be required.
- Trade certification for partspersons is available, but voluntary, in all provinces and territories.
- Experience in a related clerical occupation, or as a warehouse worker, may be required for partspersons.
- Red Seal endorsement is also available to qualified partspersons upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with additional training or experience.



## 14402 Production logistics workers

Production logistics workers expedite the flow of work and materials within an establishment and prepare merchandise ready for shipment. They are employed by manufacturing and construction companies, printing and publishing companies and other industrial establishments.

### *Illustrative example(s)*

- expediter
- production clerk
- scheduling clerk
- traffic control clerk

### *Inclusion(s)*

- material estimator
- traffic clerk - broadcasting

### *Exclusion(s)*

- Production and transportation logistics coordinators (13201)
- Purchasing and inventory control workers (14403)
- Shippers and receivers (14400)
- Storekeepers and partspersons (14401)
- Supervisors, supply chain, tracking and scheduling coordination occupations (12013)

### *Main duties*

This group performs some or all of the following duties:

- Find, sort or move goods between different sections, unit and departments and receive, unpack and track merchandise
- Compile detailed worksheets and specifications from customer's order
- Compare items packed with customer orders and other identifying data for quality control
- Compile reports on the progress of work and on any production problems that arise
- Track material inventory, prepare new material orders, monitor order schedules for inventory control and maintain inventory records
- Maintain contact with vendors to ensure that supplies and equipment are shipped on time
- Prepare material estimates to ensure enough materials are available to complete production projects.

### *Employment requirements*

- Completion of secondary school is usually required.

### *Additional information*

- Progression to coordination positions is possible with experience.

## 14403 Purchasing and inventory control workers

Purchasing and inventory control workers process purchasing transactions and maintain inventories of materials, equipment and stock. They are employed by retail and wholesale establishments, manufacturing companies, government agencies and other establishments.

### *Illustrative example(s)*

- inventory analyst
- inventory clerk
- inventory control clerk
- inventory planner
- procurement clerk
- purchasing clerk
- purchasing clerk assistant

### *Inclusion(s)*

- inventory auditor

### *Exclusion(s)*

- Inventory clerks supervisor (See 12013-Supervisors, supply chain, tracking and scheduling coordination occupations)
- Procurement and purchasing agents and officers (12102)
- Retail and wholesale buyers (62101)
- Storekeepers and partspersons (14401)

### *Main duties*

This group performs some or all of the following duties:

#### Purchasing control workers

- Review requisition orders for accuracy and verify that materials, equipment and stock are not available from current inventories
- Source and obtain price quotations from catalogues and suppliers and prepare purchase orders
- Calculate cost of orders and charge or forward invoices to appropriate accounts
- Process purchases within purchasing authority
- Contact suppliers to schedule deliveries and to resolve shortages, missed deliveries and other problems
- Prepare and maintain purchasing files, reports and price lists.

#### Inventory control workers

- Monitor inventory levels as materials, equipment and stock are issued, transferred within an establishment or sold to the public using manual or computerized inventory systems
- Compile inventory reports, recording the quantity, type and value of materials, equipment and stock on hand, using manual or computerized inventory systems
- Prepare requisition orders to replenish materials, equipment and stock
- Maintain stock rotation and dispose of and account for outdated stock
- Enter data for production scheduling, stock replenishment/relocation and inventory adjustments
- Reconcile physical inventories with computer counts.

*Employment requirements*

- Completion of secondary school is usually required.
- Courses in purchasing management may be required for purchasing control workers.
- Courses in production and inventory management and ability to operate a computerized inventory system may be required for inventory control workers.

*Additional information*

- The duties of purchasing and inventory control workers may overlap in some establishments.
- Progression to supervisory positions or more senior occupations such as purchasing agent or retail buyer is possible with additional training or experience.

**14404 Dispatchers**

Dispatchers operate radios and other telecommunication equipment to dispatch emergency vehicles and to coordinate the activities of drivers and other personnel. They are employed by police, fire and health departments, other emergency service agencies, taxi, delivery and courier services, trucking and utilities companies, and other commercial and industrial establishments.

*Illustrative example(s)*

- 911 dispatcher
- alarm system dispatcher
- ambulance dispatcher
- emergency vehicle dispatcher
- mobile equipment dispatcher
- radio operator
- taxi dispatcher
- tow truck dispatcher
- truck dispatcher
- utilities maintenance crew dispatcher

*Exclusion(s)*

- Air traffic controllers and related occupations (72601)
- Bus dispatcher (See 72024-Supervisors, motor transport and other ground transit operators)
- Dispatchers supervisor (See 12013-Supervisors, supply chain, tracking and scheduling coordination occupations)
- Railway traffic controllers and marine traffic regulators (72604)

*Main duties*

This group performs some or all of the following duties:

- Receive requests for emergency assistance or service and contact ambulances, police and fire departments, tow-trucks, and utility crews
- Process and transmit information and instructions to coordinate the activities of vehicle operators, crews and equipment using a variety of computer-aided communications and dispatching equipment
- Dispatch personnel according to written schedules and work orders, or as required by emergency situations

- Advise vehicle operators of route and traffic problems such as construction, accidents, congestion, weather conditions, weight and size restrictions and other information
- Operate radio equipment to communicate with ships, aircraft, mining crews, offshore oil rigs, logging camps and other remote operations
- Monitor personnel workloads and locations
- Maintain vehicle operator work records using computerized or manual methods and ensure time sheets and payroll summaries are completed accurately
- Maintain computer and manual records of mileage, fuel use, repairs and other expenses, and generate reports.

#### *Employment requirements*

- Completion of secondary school is required.
- Police and emergency dispatchers are required to complete formal on-the-job training. Other dispatchers usually undergo some informal on-the-job training.
- Police and emergency dispatchers and other radio operators usually require provincial radio operator's certificates.

### **14405 Transportation route and crew schedulers**

Transportation route and crew schedulers prepare operational and crew schedules for transportation equipment and operating personnel. They are employed by municipal transit commissions, truck, delivery and courier companies, railways, airlines and by other transportation establishments in both the private and public sectors.

#### *Illustrative example(s)*

- bus scheduler
- crew scheduler - transportation
- flight crew scheduler
- schedule analyst
- train scheduler
- transit scheduler
- transportation schedules writer
- truck scheduler

#### *Exclusion(s)*

- Crew schedulers supervisor (See 12013-Supervisors, supply chain, tracking and scheduling coordination occupations)
- Flight schedulers manager (See 70020-Managers in transportation)
- Production scheduler (See 13201-Production and transportation logistics coordinators)
- Scheduling technician - manufacturing (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Transportation route schedulers supervisor (See 12013-Supervisors, supply chain, tracking and scheduling coordination occupations)

*Main duties*

This group performs some or all of the following duties:

- Review schedule requisitions, passenger counts and cargo, running times, distances, personnel availability and other pertinent information to establish schedule parameters
- Design new or modify existing schedules using computer software or other methods
- Incorporate into route plan factors such as peak travel periods, holidays, special events and construction with emphasis on time and cost efficiency
- Assign personnel to equipment and routes and schedule work shifts
- Compile equipment and personnel records, including hours in service, distances, maintenance, repairs required and other data, to produce operating reports
- May prepare user guides and other public service information.

*Employment requirements*

- Completion of secondary school is required.
- Several years of experience in an appropriate transportation sector are usually required.
- On-the-job training may be provided.

*Additional information*

- Mobility between occupations in this group is limited due to the requirement of specific transportation sector experience.
- Progression to supervisory positions is possible with experience.

## 2 Natural and applied sciences and related occupations

This broad category comprises occupations in natural sciences (including basic and applied sciences and experimental development), engineering, architecture and information technology. These occupations cover specialized middle management occupations in engineering, architecture, science and information systems; professional occupations in natural sciences (basic and applied sciences and experimental development); and technical occupations related to natural sciences (including basic and applied sciences and experimental development).

### 20 Specialized middle management occupations in engineering, architecture, science and information systems

This major group comprises specialized middle management occupations in engineering, architecture, science and information systems. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

#### 200 Specialized middle management occupations in engineering, architecture, science and information systems

This sub-major group comprises specialized middle management occupations in engineering, architecture, science and information systems.

##### 2001 Managers in engineering, architecture, science and information systems

This minor group comprises specialized middle managers in engineering, architecture, science and information systems, including engineering managers, architecture and science managers, and computer and information systems managers. They are employed throughout the public and private sectors and by government establishments, consulting engineering and scientific research companies and architectural firms.

##### 20010 Engineering managers

Engineering managers plan, organize, direct, control and evaluate the activities of an engineering department, service or firm. They are employed by a wide range of private sector and government establishments and by consulting engineering and scientific research companies.

###### *Illustrative example(s)*

- director of engineering research and development
- electrical engineering manager
- engineering department manager
- engineering manager
- production engineering manager
- telecommunications engineering service manager

###### *Exclusion(s)*

- Architecture and science managers (20011)
- Civil and mechanical engineers (2130)
- Computer and information systems managers (20012)
- Computer, software and Web designers and developers (2123)
- Construction managers (70010)
- Electrical, electronics and computer engineers (2131)

- Managers in transportation (70020)
- Manufacturing and processing engineers (2132)
- Manufacturing managers (90010)
- Natural resources engineers (2133)
- Other engineers (2139)
- Utilities managers (90011)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities and operations of an engineering department, service or firm
- Develop and implement policies, standards and procedures for the engineering and technical work performed in the department, service, laboratory or firm
- Consult and negotiate with clients to prepare specifications, explain proposals and present engineering reports and findings
- Assign, coordinate and review the technical work of the department or project teams
- Recruit personnel and oversee development and maintenance of staff competence in required areas
- May participate directly in the design, development and inspection of technical projects or in the engineering work of the department.

### *Employment requirements*

- A bachelor's degree in engineering is usually required.
- Extensive experience in an engineering discipline, including supervisory experience, is required.
- Registration as a Professional Engineer (P. Eng.) by a provincial or territorial association of professional engineers is usually required.

### *Additional information*

- Mobility to other technical managerial positions, or to research or senior management positions is possible with experience.

## **20011 Architecture and science managers**

Architecture and science managers plan, organize, direct, control and evaluate the activities of an architecture, landscape architecture, scientific or statistical department, service or firm. They are employed by a wide range of private sector and government establishments as well as by architectural firms and scientific research companies.

### *Illustrative example(s)*

- agricultural chemistry branch director
- architectural manager
- chief actuary
- landscape architecture manager
- life sciences program manager
- petroleum geology department manager
- research director - forestry
- research director - manufacturing

- research director - mining
- scientific research department manager
- statistical service manager

*Exclusion(s)*

- Architects, urban planners and land surveyors (2120)
- Computer and information systems managers (20012)
- Engineering managers (20010)
- Life science professionals (2111)
- Managers in natural resources production and fishing (80010)
- Mathematicians, statisticians, actuaries and data scientists (2121)
- Physical science professionals (2110)
- Public and environmental health and safety professionals (2112)

*Main duties*

This group performs some or all of the following duties:

Architecture and urban planning managers

- Plan, organize, direct, control and evaluate the activities and operations of an urban planning service or an architectural firm
- Develop and implement policies, standards and procedures for the architectural and urban planning work performed in the department, service, or firm
- Recruit personnel and oversee development and maintenance of staff competence in required areas
- Assign, coordinate and review the technical work of the department or project teams
- May consult and negotiate with clients to prepare specifications, explain proposals or present architectural research reports and findings
- May participate directly in the design, development and inspection of technical projects of the department.

Science managers

- Plan, organize, direct, control and evaluate the research, development or production activities of a scientific research and development laboratory or firm
- Develop and implement policies, standards and procedures for the scientific and technical work performed in the laboratory, department, service, or firm
- Assign, coordinate and review the applied scientific work of the department or project teams
- Confer with scientists, engineers, regulators, or others to plan or review projects
- Develop client relationships and communicate with clients to explain proposals, present research findings, establish specifications, or discuss project status
- Review project activities, prepare and review research, testing, or operational reports
- Recruit personnel and oversee development and maintenance of staff competence in required areas
- May participate directly in the design, development and inspection of the theoretical or applied scientific work of the department.



*Employment requirements*

- Architecture managers require a degree in architecture, registration as a professional architect and several years of experience as an architect.
- Landscape architecture managers require a degree in landscape architecture, licensing as a professional landscape architect and several years of experience as a landscape architect.
- Science and other managers in this unit group require a master's or doctoral degree in a scientific discipline and several years of experience in a related scientific discipline.

*Additional information*

- Progression to senior management positions in the respective fields is possible with experience.

**20012 Computer and information systems managers**

Computer and information systems managers plan, organize, direct, control and evaluate the activities of organizations that analyze, design, develop, implement, operate and administer computer and telecommunications software, networks and information systems. They are employed throughout the public and private sectors.

*Illustrative example(s)*

- business systems manager
- cloud solutions architect manager
- computer systems manager
- data centre manager
- data processing and systems analysis manager
- data processing director
- director of software engineering
- electronic data processing (EDP) manager
- enterprise resource planning (ERP) manager
- information systems manager
- management information system (MIS) manager
- software development manager
- software engineering manager
- systems development manager
- technical delivery manager - information technology (IT)
- technical program manager - information technology (IT)

*Exclusion(s)*

- Computer and information systems professionals (2122)
- Computer engineers (except software engineers and designers) (21311)
- Computer systems developers and programmers (21230)
- Computing services company president (See 00012-Senior managers - financial, communications and other business services)
- Local area network (LAN) manager (See 22220-Computer network and web technicians)
- Software engineers and designers (21231)

*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of information systems and electronic data processing (EDP) departments and companies
- Develop and implement policies and procedures for electronic data processing and computer systems development and operations
- Meet with clients to discuss system requirements, specifications, costs and timelines
- Assemble and manage teams of information systems personnel to design, develop, implement, operate and administer computer and telecommunications software, networks and information systems
- Control the budget and expenditures of the department, company or project
- Recruit and supervise computer analysts, engineers, programmers, technicians and other personnel and oversee their professional development and training.

*Employment requirements*

- A bachelor's or master's degree in computer science, business administration, commerce or engineering is usually required.
- Several years of experience in systems analysis, data administration, software engineering, network design or computer programming, including supervisory experience, are required.

**21 Professional occupations in natural and applied sciences**

This major group comprises professional occupations in natural sciences; professional occupations in applied sciences and professional occupations in engineering. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 1. Occupations classified in TEER 1, as those in this group with a 1 as the second digit of their code, typically require a university degree (bachelor's, master's or doctorate) or the accumulation of several years of experience and expertise in the subject matter knowledge in a related occupation found in TEER 2, when applicable (which includes occupations with a 2 as a second digit in their code).

**211 Professional occupations in natural sciences**

This sub-major group comprises professional occupations in natural sciences, including physical science professionals, life science professionals, and public and environmental health and safety professionals.

**2110 Physical science professionals**

This minor group comprises physical science professionals, including physicists and astronomers, chemists, geoscientists and oceanographers, meteorologists and climatologists, and other professional occupations in physical sciences. They are employed by manufacturing, processing, telecommunications, natural resource, and consulting companies; power utilities; research, development and quality control laboratories; the media; and a wide variety of health, educational, governmental and industrial establishments; or they may be self-employed.

**21100 Physicists and astronomers**

Physicists conduct theoretical and applied research to extend knowledge of natural phenomena and to develop new processes and devices in fields such as electronics, communications, power generation and distribution, aerodynamics, optics and lasers, remote sensing, biotechnology, medicine and health. They are employed by electronic, electrical and aerospace manufacturing companies, telecommunications companies, power utilities, university and government research laboratories, hospitals and by a wide range of other processing, manufacturing, and research and consulting firms. Astronomers conduct observational and theoretical research to extend knowledge of the universe. They are employed by government and universities.

*Illustrative example(s)*

- acoustics physicist
- aerodynamicist
- aerospace research scientist
- astronomer
- astrophysicist
- atmospheric physicist
- biophysicist
- cosmologist
- electronics research scientist
- experimental physicist
- health physicist
- medical physicist
- metrologist
- nuclear physicist
- optics physicist
- physics research scientist
- plasma physicist
- radio astronomer
- remote sensing research scientist
- solid-state physicist

*Exclusion(s)*

- Architecture and science managers (20011)
- Computer engineers (except software engineers and designers) (21311)
- Geophysicist (See 21102-Geoscientists and oceanographers)
- Physical oceanographer (See 21102-Geoscientists and oceanographers)

*Main duties*

This group performs some or all of the following duties:

*Physicists*

- Design and conduct research in experimental and theoretical physics
- Carry out analysis of research data and prepare research reports
- Participate as a member of a research or development team in the design and development of experimental, industrial or medical equipment, instrumentation and procedures.

Physicists may specialize in fields such as aeronomy and space, acoustics, atomic and molecular physics, biophysics, condensed matter or solid state physics, electromagnetics, fluids and aerodynamics, health physics, medical physics, metrology, particle physics, optics and laser physics, nuclear physics and plasma physics.

*Astronomers*

- Design and conduct observational surveys, conduct detailed analyses and develop numerical models to extend knowledge of celestial bodies and cosmic radiation

- Develop or participate in the development of instrumentation and software for astronomical observation and analysis.

Astronomers may specialize in fields such as astrophysics, observational or optical astronomy and radio astronomy.

#### *Employment requirements*

- Physicists usually require a master's or doctoral degree in a field of physics, engineering physics, or in a related discipline.
- Astronomers usually require a master's or doctoral degree in astronomy or in a related discipline.
- Additional information
- Mobility between specializations within physics and within astronomy is possible with experience.
- Physicists may work closely with and perform some of the duties of engineers.
- Mobility is possible to the fields of meteorology, geophysics and other fields of science.
- Progression to management positions is possible with experience.

## **21101 Chemists**

Chemists conduct research and analysis in support of industrial operations, product and process development, quality control, environmental control, medical diagnosis and treatment, biotechnology, nanotechnology and other applications. They also conduct theoretical, experimental and applied research into basic chemical and biochemical processes to create or synthesize new products and processes. They are employed in research, development and quality control laboratories; chemical, petrochemical and pharmaceutical industries; mineral, metal and pulp and paper industries; and a wide variety of manufacturing, utility, health, educational and government establishments.

#### *Illustrative example(s)*

- agricultural chemist
- analytical chemist
- bioanalytical chemist
- biochemist
- chemist
- clinical chemist
- coatings chemist
- electrochemist
- environmental chemist
- food chemist
- inorganic chemist
- medicinal chemist
- nuclear magnetic resonance (NMR) spectroscopist
- oceanographic chemist
- organic chemist
- organic mass spectrometrists
- organometallic chemist
- pharmacological chemist
- physical chemist

- polymer chemist
- quality control chemist
- research chemist
- soil chemist
- textile chemist
- theoretical chemist

#### *Exclusion(s)*

- Architecture and science managers (20011)
- Chemical engineers (21320)
- Geochemist (See 21102-Geoscientists and oceanographers)
- Materials scientist (See 21109-Other professional occupations in physical sciences)
- Metallurgist (See 21109-Other professional occupations in physical sciences)
- Molecular biologist (See 21110-Biologists and related scientists)

#### *Main duties*

This group performs some or all of the following duties:

- Analyze, synthesize, purify, modify and characterize chemical or biochemical compounds
- Develop and conduct programs of analysis to ensure quality control of raw materials, chemical intermediates or final products
- Conduct programs of sample and data collection and analysis to identify and quantify environmental toxicants
- Conduct research to develop new chemical formulations and processes and devise new technical applications of industrial chemicals and compounds
- Conduct research to discover, develop, refine and evaluate new products such as those used in nanomedicine, nanoelectronics and other applications of chemistry
- Conduct fundamental and applied research into the synthesis and properties of chemical compounds and the mechanisms of chemical reactions
- Investigate chemical aspects of the mechanisms of drug action, the diagnosis and treatment of disease, organ function and the assessment of health
- Participate in interdisciplinary research and development projects working with chemical engineers, biologists, microbiologists, agronomists, geologists or other professionals
- Act as technical consultant in a particular field of expertise
- May participate in the commercialization of new products
- May supervise other chemists and chemical technicians and technologists.

#### *Employment requirements*

- A bachelor's degree in chemistry, biochemistry or a related discipline is required.
- A master's or doctoral degree is usually required for employment as a research chemist.
- Licensing by a provincial association of chemists is required in Quebec and available but voluntary, in Nova Scotia, Ontario, Saskatchewan, Alberta and British Columbia.

*Additional information*

- Mobility between occupations in this group is possible with experience.
- Mobility is possible with experience, to occupations concerned with plant management, technical sales and the development and management of regulatory programs and teaching professions.

**21102 Geoscientists and oceanographers**

Geoscientists include geologists, geochemists and geophysicists who conduct programs of exploration and research to extend knowledge of the structure, composition and processes of the earth, to locate, identify and extract hydrocarbon, mineral and groundwater resources and to assess and mitigate the effects of development and waste disposal projects on the environment. Oceanographers conduct programs of exploration and research on ocean processes and phenomena, biological, chemical and physical characteristics of oceans, interactions with atmospheric and geological environments and impacts of human activity on oceans and marine ecosystems. Geoscientists are employed by petroleum and mining companies, consulting geology, geophysics and engineering firms and by governments and educational institutions, or they may be self-employed. Oceanographers are employed by governments, educational institutions and private companies engaged in exploration of seafloor deposits and seafarming areas, or they may be self-employed.

*Illustrative example(s)*

- development geologist
- environmental geologist
- exploration geologist
- geochemist
- geologist
- geophysicist
- glaciologist
- groundwater geologist
- hydrogeologist
- hydrologist
- mine geologist
- mineralogist
- oceanographer
- paleontologist
- petroleum geologist
- petrologist
- sedimentologist
- seismologist
- stratigrapher

*Exclusion(s)*

- Architecture and science managers (20011)
- Biologists and related scientists (21110)
- Chemists (21101)
- Geological engineers (21331)

- Managers in natural resources production and fishing (80010)
- Physicists and astronomers (21100)

### *Main duties*

This group performs some or all of the following duties:

#### Geoscientists

- Conduct theoretical and applied research to extend knowledge of surface and subsurface features of the earth, its history and the operation of physical, chemical and biological systems that control its evolution
- Plan, direct and participate in geological, geochemical and geophysical field studies, drilling and geological testing programs
- Plan and conduct seismic, geodetic, electromagnetic, magnetic, gravimetric, radiometric, radar and other remote sensing programs
- Plan, direct and participate in analyses of geological, geochemical and geophysical survey data, well logs and other test results, maps, notes and cross sections
- Develop models and applied software for the analysis and interpretation of data
- Plan and conduct analytical studies of core samples, drill cuttings and rock samples to identify chemical, mineral, hydrocarbon and biological composition and to assess depositional environments and geological age
- Assess the size, orientation and composition of mineral ore bodies and hydrocarbon deposits
- Identify deposits of construction materials and determine their characteristics and suitability for use as concrete aggregates, road fill or for other applications
- Conduct geological and geophysical studies for regional development and advise in areas such as site selection, waste management and restoration of contaminated sites
- Recommend the acquisition of lands, exploration and mapping programs and mine development
- Identify and advise on anticipated natural risks such as slope erosion, landslides, soil instability, subsidence, earthquakes and volcanic eruptions
- May supervise and coordinate well drilling, completion and work-overs and mining activities.

Geologists may specialize in fields such as coal geology, environmental geology, geochronology, hydrogeology, mineral deposits or mining, petroleum geology, stratigraphy, tectonics, volcanology or in other fields.

Geochemists may specialize in analytical geochemistry, hydrogeochemistry, mineral or petroleum geochemistry or in other fields.

Geophysicists may specialize in areas, such as petroleum geology, earth physics, geodesy, geoelectromagnetism, seismology or in other fields.

#### Oceanographers

- Conduct theoretical and applied oceanographic research programs and expeditions to extend knowledge of the physical, chemical and biological properties and functioning of oceans
- Plan, direct and participate in sampling and analysis of seawater, plankton, fish, sediments and rocks
- Study physical properties of oceans to develop models, charts and computer simulations of ocean conditions, such as tides, waves, currents and sediment transport
- Explore ocean floor and submarine geological structures, conduct seismic surveys and study formation of ocean basins and other structures to map ocean floor, coastal erosion, sediment accumulation and areas for offshore oil and gas exploration

- Plan and conduct investigations on ocean chemical properties and processes, ocean floor and marine atmosphere and undersea volcanoes to study impacts of environmental changes
- Study marine life and interaction with physical and chemical environments to assess impacts of pollutants on marine ecology and to develop ecologically-based methods of seafarming.

Oceanographers may specialize in biological, chemical, geological or physical oceanography, or in other fields related to the study of oceans.

#### *Employment requirements*

- Geoscientists require a university degree in geology, geochemistry, geophysics or a related discipline.
- A master's or doctoral degree in geophysics, physics, mathematics or engineering may be required for employment as a geophysicist.
- Registration with a provincial or territorial association of professional engineers, geologists, geophysicists or geoscientists is usually required for employment and is mandatory to practice in all provinces and territories except Prince Edward Island and the Yukon.
- Geologists and geophysicists are eligible for registration following graduation from an accredited educational program and after several years of supervised work experience and, in some provinces, after passing a professional practice examination.
- Oceanographers require a university degree in science, mathematics, statistics or engineering and usually require a graduate degree in oceanography.

#### *Additional information*

- Mobility between specializations in this group is possible with experience.
- Progression to supervisory or higher level positions is possible with experience in this unit group.
- Advancement to management positions in mining, petroleum and other industries is possible with experience.

### **21103 Meteorologists and climatologists**

Meteorologists and climatologists analyze and forecast weather, provide consultation on atmospheric phenomena and conduct research into the processes and phenomena of weather, climate and atmosphere. They are employed by all levels of government, natural resources and utility companies, the media and private consulting firms, or they may be self-employed.

#### *Illustrative example(s)*

- air quality meteorologist
- climatologist
- hydrometeorologist
- meteorologist
- operational meteorologist

#### *Inclusion(s)*

- weather forecaster

#### *Exclusion(s)*

- Weather reporter (See 52114-Announcers and other broadcasters)



*Main duties*

This group performs some or all of the following duties:

- Analyze and interpret data obtained from meteorological stations, radar and satellite imagery and computer model output
- Produce weather forecasts and provide weather consulting services for industries such as aviation, marine, agriculture and tourism, and to the general public
- Disseminate weather forecasts and reports to the general public through a variety of media including radio, television, print and the Internet
- Conduct research and provide consultation on the processes and determinants of atmospheric phenomena, weather and climate, atmospheric dispersion, and physical and chemical transformation of pollutants
- Develop and test mathematical computer models of weather and climate for experimental or operational use
- Analyze the impact of industrial projects and human activity on the climate and quality of the air and work with the social science, engineering and economic communities to develop appropriate mitigation strategies
- Participate in studies of the effect of weather on the environment
- Provide consultation and advice to outside agencies, professionals, or researchers regarding the use and interpretation of climatological information
- Make scientific presentations, publish reports, articles or popular texts for specialists, users or the general public
- May engage in the design and development of new equipment and procedures for meteorological data collection, remote sensing, or for related applications.

*Employment requirements*

- A bachelor's or master's degree in meteorology, atmospheric sciences or in a related field is required.
- A doctoral degree is usually required for employment as a research scientist in meteorology.
- Formal training is provided by Environment Canada for operational meteorologists employed by the federal government.
- Membership in the Canadian Meteorological and Oceanographic Society is available, but voluntary, for qualified meteorologists.

**21109 Other professional occupations in physical sciences**

Professionals in other physical sciences occupations conduct theoretical and applied research in fields of physical science. Metallurgists, soil scientists and physical scientists and researchers are included in this unit group. They are employed by governments, educational institutions and a wide range of industrial establishments.

*Illustrative example(s)*

- astronaut
- ballistics examiner
- materials scientist
- metallurgist
- physical metallurgist
- research scientist - ceramics
- research scientist - composite materials
- soil scientist

### *Exclusion(s)*

- Air pilots, flight engineers and flying instructors (72600)
- Architecture and science managers (20011)
- Chemists (21101)
- Metallurgical and materials engineers (21322)

### *Main duties*

This group performs some or all of the following duties:

#### Metallurgists

- Conduct studies into the properties and production of metals and alloys.

#### Soil scientists

- Conduct research into the composition, distribution and evolution of soils.

#### Materials scientists

- Conduct research into the properties, composition and production of materials such as ceramics and composite materials.

#### Astronauts

- Command, pilot or serve as crew members of a spacecraft to conduct scientific experiments and research, and participate in space missions as mission specialists to maintain spacecraft, install and repair space station equipment and launch and recapture satellites.

### *Employment requirements*

- A bachelor's degree in metallurgy, physics, chemistry, or a related physical science discipline is required.
- A master's or doctoral degree is usually required for employment as a research scientist.
- Advanced degrees in a broad range of applied science areas, such as engineering or medicine  
or  
Licences may be required for some occupations in this unit group.

### *Additional information*

- Mobility between specializations in this group may be possible with experience.
- Mobility is possible with experience, to other fields of physical science or to management or regulatory program management.

## **2111 Life science professionals**

This minor group comprises life science professionals, including biologists and related scientists, forestry professionals, and agricultural representatives, consultants and specialists. They are employed by governments; consulting, agricultural, resource, utilities, chemical, pharmaceutical and biotechnical companies; agricultural, health and educational institutions; and forestry and other industries; or they may be self-employed.

### **21110 Biologists and related scientists**

Biologists and related scientists conduct basic and applied research to extend knowledge of living organisms, to manage natural resources, and to develop new practices and products related to medicine and agriculture. They are employed in both laboratory and field settings by governments, environmental consulting companies, resource

and utilities companies, chemical, pharmaceutical, biotechnical companies, hospitals and health, research and educational institutions.

*Illustrative example(s)*

- anatomist
- bacteriologist
- bioinformatician
- biologist
- botanist
- cell biologist
- ecologist
- embryologist
- geneticist
- histologist
- immunologist
- marine biologist
- microbiologist
- molecular biologist
- mycologist
- parasitologist
- pharmacologist
- physiologist
- protozoologist
- toxicologist
- virologist
- zoologist

*Exclusion(s)*

- Architecture and science managers (20011)
- Biochemist (See 21101-Chemists)
- Specialists in clinical and laboratory medicine (31100)

*Main duties*

This group performs some or all of the following duties:

Biologists

- Plan and conduct studies of the environment, and of the population, distribution, structure and functional characteristics and behaviour of plants and animals
- Conduct ecological and environmental impact studies and prepare reports
- Study, identify and classify plant and animal specimens
- Conduct experiments in plant or animal growth, heredity and breeding
- Prepare reports and plans for management of renewable resources
- May supervise biological technologists and technicians and other scientists.

### Microbiologists and cell and molecular biologists

- Conduct research into the structure, function, ecology, biotechnology and genetics of micro-organisms, including bacteria, fungi, protozoans, and algae
- Conduct research into the structure and functioning of human, animal and plant tissues and cells
- Conduct studies into the identification, effects and control of human, plant and animal pathogens and toxins
- Conduct clinical or laboratory studies to test, evaluate and screen drugs, pharmaceuticals and nanoparticles used in biomedical applications
- Conduct molecular or biochemical studies and experiments in genetic expression, gene manipulation and recombinant DNA technology to develop new or alternative methods of producing products
- Conduct research in biotechnology to discover, develop and refine, and evaluate new products
- May participate in the commercialization of new products
- May supervise biological technologists and technicians and other scientists
- May conduct biostatistical data analysis using computer modelling techniques.

Biologists and related scientists may specialize at the macroscopic level, in fields such as botany, zoology, ecology and marine biology or, at the cellular and molecular level, in fields such as genetics, immunology, pharmacology, toxicology, physiology, pathology, bacteriology, virology, biotechnology and bioinformatics.

### *Employment requirements*

- A bachelor's degree in biology or in a related discipline is required for biologists.
- A master's or doctoral degree in biology or a related discipline is required for employment as a research scientist in biology.
- Post-doctoral research experience is usually required before employment in academic departments or research institutions.
- Biologists are regulated in Alberta and British Columbia.

## **21111 Forestry professionals**

Forestry professionals conduct research, develop plans and administer and direct programs related to the management and harvesting of forest resources. They are employed by the forest industry, provincial and federal governments, consulting companies, educational institutions and other industries, or they may be self-employed.

### *Illustrative example(s)*

- appraisal forester
- consulting forester
- district forester
- forester
- regional inventory officer - forestry
- registered professional forester (RPF)

### *Inclusion(s)*

- forest engineer
- superintendent - forestry

*Exclusion(s)*

- Forest economist (See 41401-Economists and economic policy researchers and analysts)
- Forestry operations manager (See 80010-Managers in natural resources production and fishing)
- Forestry policy director - government services (See 40011-Government managers - economic analysis, policy development and program administration)
- Forestry programs manager - government services (See 40011-Government managers - economic analysis, policy development and program administration)
- Research director - forestry (See 20011-Architecture and science managers)
- Woodlands manager (See 80010-Managers in natural resources production and fishing)

*Main duties*

This group performs some or all of the following duties:

- Plan and direct forest surveys and related studies and prepare reports and recommendations
- Establish short- and long-term plans for management of forest lands and forest resources
- Plan and direct woodlands harvesting, reforestation, silviculture and fire prevention and fire suppression programs, road building, wildlife management, environmental protection and insect and vegetation control programs
- Negotiate terms and conditions of agreements and contracts for forest harvesting, forest management and leasing of forest lands
- Monitor contract compliance and results of forestry activities
- Ensure adherence to government regulations and company objectives
- Plan and conduct public relations programs, and education and extension programs related to forestry
- Develop and oversee programs for tree seedling production and woodlands nursery operations
- Conduct advanced research in the areas of tree improvement, nursery seedling production, forest soils, forest ecology, forest mensuration, forest operations and other areas
- Provide advice and recommendations, as a consultant on forestry issues, to private woodlot owners, municipal, provincial or federal governments or to companies.

*Employment requirements*

- A bachelor's degree in forestry or forestry engineering is required.
- Registration with a regulatory body is required in all provinces except Prince Edward Island and Manitoba.
- A two-year practicum of supervised work experience and professional examinations are usually required before registration.

*Additional information*

- Supervisory and senior occupations in this unit group require additional experience.
- With experience, mobility is possible to management positions in government and industry.

**21112 Agricultural representatives, consultants and specialists**

Agricultural representatives, consultants and specialists provide assistance and advice to farmers on all aspects of farm management, cultivation, fertilization, harvesting, soil erosion and composition, disease prevention, nutrition, crop rotation and marketing. They are employed by businesses, institutions and governments that assist the farming community, or they may be self-employed.

*Illustrative example(s)*

- agricultural consultant
- agricultural extension supervisor
- agricultural livestock specialist
- agricultural representative
- agricultural soil and crop specialist
- agriculturist
- agrologist
- agronomist
- consulting agrologist
- crop specialist
- farm management consultant
- field service adviser - agriculture
- field service agent - agriculture
- growers' advisor
- professional agrologist (P.Ag.)

*Exclusion(s)*

- Agricultural engineer (See 21399-Other professional engineers)
- Agricultural policy director - government services (See 40011-Government managers - economic analysis, policy development and program administration)
- Agricultural programs manager - government services (See 40011-Government managers - economic analysis, policy development and program administration)
- Agricultural representatives director (See 20011-Architecture and science managers)
- Agrology technician (See 22110-Biological technologists and technicians)
- Biologists and related scientists (21110)
- Landscape and horticulture technicians and specialists (22114)

*Main duties*

This group performs some or all of the following duties:

- Provide counselling and advisory services to farmers on crop cultivation and fertilization, harvesting, animal and poultry care, disease prevention, farm management, farm financing, marketing and other agricultural subjects
- Prepare and conduct advisory information sessions and lectures for farmers and other groups
- Conduct research, analyze agricultural data and prepare research reports
- Liaise with researchers, educators and government or business managers on matters pertaining to farming and agriculture
- Maintain records of services provided and the effects of advice given
- May operate unmanned aerial vehicle/drone to map drainage, plant seeds, analyze crop health and identify areas of stress and evenly spray fertilizers or pesticides.

Agricultural representatives, consultants and specialists may specialize in specific aspects of agriculture such as animal science, field crops, horticulture, soil science, irrigation or drainage, farm management, marketing, agricultural economics, land use, and environmental management, appraisal or extension and education.

*Employment requirements*

- A bachelor's or master's degree in agriculture or in a related science is required.
- Membership or eligibility for membership in a provincial institute of agronomy is usually required.
- In Quebec, membership in the Ordre professionnel des agronomes is mandatory.

*Additional information*

- Progression to management positions is possible with experience.

**2112 Public and environmental health and safety professionals**

This minor group comprises public and environmental health and safety professionals. They are employed throughout the public and private sectors.

**21120 Public and environmental health and safety professionals**

Public and environmental health and safety professionals review, evaluate and monitor public health and environmental safety hazards and develop strategies to prevent, control and eliminate disease and environmental impact caused by biological and chemical factors. They inspect restaurants, industrial establishments, municipal water systems, public facilities and institutions to ensure compliance with government regulations regarding sanitation, pollution control and the handling and storage of hazardous substances. They are employed throughout the public and private sectors.

*Illustrative example(s)*

- environmental health officer
- environmental officer
- environmental safety advisor
- hazardous waste inspector
- pollution control inspector
- public health inspector
- public health inspectors supervisor
- public safety consultant
- public safety coordinator
- public safety officer
- restaurant inspector
- rodent control inspector
- water inspector

*Exclusion(s)*

- By-law enforcement and other regulatory officers (43202)
- Construction inspectors (22233)
- Engineering inspectors and regulatory officers (22231)
- Ergonomist (See 41400-Natural and applied science policy researchers, consultants and program officers)
- Occupational health and safety specialists (22232)
- Occupational hygienist (See 41400-Natural and applied science policy researchers, consultants and program officers)

### *Main duties*

This group performs some or all of the following duties:

- Inspect the sanitary conditions of restaurants, hotels, schools, hospitals and other public facilities or institutions
- Conduct surveys and monitoring programs of the natural environment to identify sources of pollution
- Collect biological and chemical samples and specimens for analysis; measure physical, biological and chemical; and conduct safety and environmental audits
- Investigate health and safety related complaints, spills of hazardous chemicals, outbreaks of diseases or poisonings
- Inspect workplaces to ensure that equipment, materials and production processes do not present environmental hazards to the environment or a health and safety hazard to employees or to the general public
- Lead the development and the implementation of public safety and environmental health and safety programs and strategies to mitigate risk and optimize the general public and worker's health and safety and environmental protection
- Initiate enforcement procedures to fine or to close an establishment contravening municipal, provincial or federal regulations
- Provide consultation and deliver training programs to employers, employees and the general public on issues of public health, environmental protection or workplace safety.

### *Employment requirements*

- A bachelor's degree in a discipline such as food science, environmental studies, chemistry or health and safety is usually required.
- Public health inspectors employed outside Quebec require certification with the Canadian Institute of Public Health Inspectors.
- Environmental health and safety professionals may require certification with the Board of Canadian Registered Safety Professionals (BCRSP).

## **212 Professional occupations in applied sciences (except engineering)**

This sub-major group comprises professional occupations in applied sciences, other than engineering, including architects, urban planners and land surveyors; mathematicians, statisticians, actuaries and data scientists; computer and information systems professionals; and computer, software and Web designers and developers.

### **2120 Architects, urban planners and land surveyors**

This minor group comprises architects, landscape architects, urban and land use planners and land surveyors. They are employed by governments; architectural, engineering, construction, real estate development, natural resource, landscape consulting, and other consulting companies; land developers and land surveying establishments; and government environmental and development agencies; or they may be self-employed.

#### **21200 Architects**

Architects conceptualize, plan and develop designs for the construction and renovation of commercial, institutional and residential buildings. They are employed by architectural firms, private corporations and governments, or they may be self-employed.

#### *Illustrative example(s)*

- architect
- architectural standards specialist



- chief architect
- consulting architect
- industrial and commercial buildings architect
- residential architect

#### *Exclusion(s)*

- Architecture and science managers (20011)
- Database architect (See 21223-Database analysts and data administrators)
- Landscape architects (21201)
- Naval architect (See 21399-Other professional engineers)
- Software architect (See 21231-Software engineers and designers)
- Structural engineer (See 21300-Civil engineers)
- Technical architect - hardware (See 21311-Computer engineers (except software engineers and designers))

#### *Main duties*

This group performs some or all of the following duties:

- Consult with clients to determine the type, style and purpose of renovations or new building construction being considered
- Conceptualize and design buildings and develop plans describing design specifications, building materials, costs and construction schedules
- Prepare sketches and models for clients
- Prepare or supervise the preparation of drawings, specifications and other construction documents for use by contractors and tradespersons
- Prepare bidding documents, participate in contract negotiations and award construction contracts
- Monitor activities on construction sites to ensure compliance with specifications
- Conduct feasibility studies and financial analyses of building projects.

Architects may specialize in a particular type of construction such as residential, commercial, industrial or institutional.

#### *Employment requirements*

- A bachelor's degree from an accredited school of architecture  
or  
Completion of the syllabus of studies from the Royal Architectural Institute of Canada (RAIC) is required.
- A master's degree in architecture may be required.
- Completion of a three-year internship under the supervision of a registered architect is required.
- Completion of the architect registration examination is required.
- Registration with a provincial regulatory body is required in all provinces and the Northwest Territories.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

#### *Additional information*

- Progression to senior positions, such as chief architect, is possible with experience.

## 21201 Landscape architects

Landscape architects conceptualize, design, plan and manage the construction of natural, cultural and built landscape development for commercial projects, office complexes, parks, golf courses and residential development. They are employed by government environmental and development agencies, landscape consulting firms and by architectural and engineering firms, or they are self-employed.

### *Illustrative example(s)*

- landscape architect
- senior landscape architect

### *Exclusion(s)*

- Architects (21200)
- Landscape and horticulture technicians and specialists (22114)
- Landscape architecture manager (See 20011-Architecture and science managers)
- Landscape design contractor (See 82031-Contractors and supervisors, landscaping, grounds maintenance and horticulture services)
- Urban and land use planners (21202)

### *Main duties*

This group performs some or all of the following duties:

- Confer with clients to determine design needs
- Survey and assess designated sites and develop designs taking into consideration landscape features, buildings, climate, future usage and other aspects
- Prepare or oversee the preparation of detailed drawings for sites, including features such as trees, shrubs, gardens, lighting, walkways, patios, decks, benches, fences, retaining walls and fountains
- Prepare or oversee preparation of site plans, reports, sketches, models, photographs, maps, land use studies, design plans such as landscape grading, drainage or planting, and construction details
- Estimate costs, prepare specifications and evaluate tenders for landscape construction projects
- Conduct environmental design studies, including environmental assessment, planning and the preservation and re-creation of historical sites
- Conduct community and neighbourhood physical planning studies, participate in multidisciplinary urban design studies, prepare design guidelines, and develop master plans
- May manage and supervise landscape construction work.

### *Employment requirements*

- A bachelor's degree in landscape architecture is required.
- A master's degree in landscape architecture may be required.
- Registration with a regulatory body is required in Ontario, Alberta and British Columbia.
- In the remaining provinces and territories, landscape architects usually require two years of landscape design experience and an interview by their respective provincial associations to receive association certification.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

## 21202 Urban and land use planners

Urban and land use planners develop plans and recommend policies for managing land use, physical facilities and associated services for urban and rural areas and remote regions. They are employed by all levels of government, land developers, engineering and other consulting companies, or may work as private consultants.

### *Illustrative example(s)*

- community and urban planner
- environmental planner
- land use planner
- municipal planner
- park planner
- planner
- recreation planner
- regional planner
- urban planner

### *Exclusion(s)*

- Architects (21200)
- Architecture and science managers (20011)
- Engineering managers (20010)
- Land surveyors (21203)

### *Main duties*

This group performs some or all of the following duties:

- Compile and analyze data on demographic, economic, legal, political, cultural, sociological, physical and other factors affecting land use
- Confer with municipal, provincial and federal authorities, civic leaders, social scientists, lawyers, land developers, the public and special interest groups to formulate and develop land use or community plans
- Prepare and recommend land development concepts and plans for zoning, subdivisions, transportation, public utilities, community facilities, parks, agricultural and other land uses
- Prepare plans for environmental protection, such as wildlife preserves, national and provincial parks, and protection of watersheds
- Present plans to civic, rural and regional authorities and hold public meetings to present plans, proposals or planning studies to the general public and special interest groups
- Review and evaluate proposals for land use and development plans and prepare recommendations
- Process application for land development permits and administer land use plans and zoning by-laws
- Formulate long-range objectives and policies relative to future land use and the protection of the environment
- Supervise and coordinate work of urban planning technicians and technologists.

### *Employment requirements*

- A bachelor's degree in urban and regional planning, geography, architecture, engineering or a related discipline is required.
- A master's degree in one of these disciplines may be required.

- Membership in the Canadian Institute of Planners is usually required.
- Urban and land use planners are regulated in Nova Scotia, New Brunswick, Quebec, Alberta, the Northwest Territories and Nunavut, and membership in a provincial planning institute may be required in other provinces.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

#### *Additional information*

- Progression to management positions in planning is possible with experience.

### **21203 Land surveyors**

Land surveyors plan, direct and conduct legal surveys to establish the location of real property boundaries, contours and other natural or human-made features, and prepare and maintain cross-sectional drawings, official plans, records and documents pertaining to these surveys. They are employed by federal, provincial and municipal governments, private sector land surveying establishments, real estate development, natural resource, engineering and construction firms, or they may be self-employed.

#### *Illustrative example(s)*

- cadastral surveyor
- Canada lands surveyor
- city surveyor
- land surveyor
- property surveyor

#### *Inclusion(s)*

- land survey supervisor

#### *Exclusion(s)*

- Civil engineering technologists and technicians (22300)
- Engineering managers (20010)
- Geomatics engineer (See 21300-Civil engineers)
- Hydrographic surveyor - geology (See 21102-Geoscientists and oceanographers)
- Land survey technologists and technicians (22213)
- Survey engineer (See 21300-Civil engineers)
- Technical occupations in geomatics and meteorology (22214)
- Urban and land use planners (21202)

#### *Main duties*

This group performs some or all of the following duties:

- Develop survey plans, methods and procedures for conducting legal surveys
- Plan, direct and supervise or conduct surveys to establish and mark legal boundaries of properties, parcels of lands, provincial and Canada Lands, Aboriginal land claims, wellsites, mining claims, utility rights-of-way, roadways and highways
- Survey and lay out subdivisions for rural and urban development

- Determine precise locations using electronic distance measuring equipment, global positioning systems (GPS), and unmanned aerial vehicles (UAV)/drones
- Analyze, manage and display data using geographic information systems (GIS) and computer-aided design and drafting (CAD)
- Record all measurements and other information obtained during survey activities
- Prepare or supervise the preparation and compilation of all data, plans, charts, records and documents related to surveys of real property boundaries
- Certify and assume liability for surveys made to establish real property boundaries
- Advise, provide consultation and testify as an expert witness on matters related to legal surveys
- May supervise other land surveyors, and land survey technologists and technicians.

#### *Employment requirements*

- A bachelor's degree in geomatics engineering or survey engineering or a college diploma in survey science or geomatics technology with additional academic credits and successful completion of equivalent examinations set by a regional board of examiners for land surveyors is required.
- A one- to three-year articling period is required.
- Successful completion of professional land surveyor examinations is required.
- A federal or provincial land surveyor's licence is required.

#### *Additional information*

- Federal statutes require a separate licence from the Association of Canada Land Surveyors to survey areas such as national parks, Aboriginal lands, offshore areas and northern territories.

## **2121 Mathematicians, statisticians, actuaries and data scientists**

This minor group comprises mathematicians, statisticians, actuaries and data scientists. They are employed by universities, governments, bank and trust companies, insurance companies, pension benefit consulting firms, professional associations, science and engineering consulting firms, information technology consulting firms and in information technology units throughout the public and private sectors.

### **21210 Mathematicians, statisticians and actuaries**

Mathematicians and statisticians research mathematical or statistical theories, and develop and apply mathematical or statistical techniques for solving problems in such fields as science, engineering, business and social science. Actuaries apply mathematics, statistics, probability and risk theory to assess potential financial impacts of future events. Mathematicians, statisticians and actuaries are employed by universities, governments, bank and trust companies, insurance companies, pension benefit consulting firms, professional associations, and science and engineering consulting firms.

#### *Illustrative example(s)*

- actuary
- biostatistician
- consulting actuary
- demographer
- insurance actuary
- mathematician
- statistical analyst
- statistician

### *Exclusion(s)*

- Financial advisors (11102)
- Financial and investment analysts (11101)
- Financial auditors and accountants (11100)
- Financial managers (10010)
- Insurance, real estate and financial brokerage managers (10020)
- Other financial officers (11109)
- Statistical officers and related research support occupations (12113)

### *Main duties*

This group performs some or all of the following duties:

#### Mathematicians

- Conduct research to extend mathematical knowledge in traditional areas of mathematics such as algebra, geometry, probability and logic
- Apply mathematical techniques to the solution of problems in scientific fields such as physical science, engineering, computer science or other fields such as operations research, business or management.

#### Statisticians

- Conduct research into the mathematical basis of the science of statistics
- Develop statistical methodology and advise on the practical application of statistical methodology
- Apply statistical theory and methods to provide information in scientific and other fields such as biological and agricultural science, business and economics, physical sciences and engineering, and the social sciences.

#### Actuaries

- Apply mathematical models to forecast and calculate the probable future costs of insurance and pension benefits
- Design life, health, and property insurance policies, and calculate premiums, contributions and benefits for insurance policies, and pension and superannuation plans
- May assist investment fund managers in portfolio asset allocation decisions and risk management. They also use these techniques to provide legal evidence on the value of future earnings.

### *Employment requirements*

- Mathematicians and statisticians usually require a graduate degree in mathematics or statistics.
- Actuaries usually require post-secondary education in actuarial science, mathematics, statistics, economics, commerce or business administration.
- Actuaries are conferred fellowships through the Canadian Institute of Actuaries upon successful completion of professional examinations  
and  
Three years of work experience in the actuarial field as an actuarial assistant or in a related position.

### *Additional information*

- With experience, actuaries may progress to managerial positions in consulting, insurance and finance. They may also be self-employed.

## 21211 Data scientists

Data scientists use advanced analytics technologies, including machine learning and predictive modelling, to support the identification of trends, scrape information from unstructured data sources and provide automated recommendations. They are employed by consulting firms, universities, banks and information technology departments in the public and private sectors.

### *Illustrative example(s)*

- data scientist
- machine learning engineer
- machine learning specialist
- quantitative analyst

### *Inclusion(s)*

- artificial intelligence (AI) analyst
- artificial intelligence (AI) consultant
- artificial intelligence (AI) designer

### *Exclusion(s)*

- Computer and information systems managers (20012)
- Computer engineers (except software engineers and designers) (21311)
- Database analysts and data administrators (21223)
- Information systems specialists (21222)
- Mathematicians, statisticians and actuaries (21210)
- Software engineers and designers (21231)

### *Main duties*

This group performs some or all of the following duties:

- Implement cutting-edge techniques and tools in machine learning, deep learning and artificial intelligence to make data analysis more efficient
- Perform large-scale experimentation to identify hidden relationships between variables in large datasets
- Create advanced machine learning algorithms such as regression, simulation, scenario analysis, modeling, clustering, decision trees and neural networks
- Prepare and extract data using programming language
- Implement new statistical, machine learning, or other mathematical methodologies to solve specific business problems
- Visualize data in a way that allows a business to quickly draw conclusions and make decisions
- Develop artificial intelligence models and algorithms and implement them to meet the needs of the organization
- Coordinate research and analysis activities using unstructured and structured data and use programming to clean and organize data.

### *Employment requirements*

- A bachelor's degree in statistics, mathematics, computer science, computer systems engineering or a related discipline or completion of a college program in computer science is usually required.

- A master's or doctoral degree in machine learning, data science, or a related quantitative field is usually required.
- Experience in programming is usually required.
- Experience in statistical modelling and machine learning is usually required.

## **2122 Computer and information systems professionals**

This minor group comprises computer and information systems professionals, including cybersecurity specialists, business systems specialists, information systems specialists, and database analysts and data administrators. They are employed by computer software development and information technology consulting, research and development companies; advertising agencies; and in information technology units throughout the public and private sectors; or they may be self-employed.

### **21220 Cybersecurity specialists**

Cybersecurity specialists develop, plan, recommend, implement, improve and monitor security measures to protect an organization's computer networks, connected devices and information to prevent unauthorized access, use, disclosure, disruption, modification, or destruction of the information or of the systems on which the information resides. They are employed in information technology consulting firms and in information technology units throughout the public and private sectors.

#### *Illustrative example(s)*

- cybersecurity analyst
- informatics security analyst
- informatics security consultant
- information technology (IT) security specialist
- systems security analyst

#### *Exclusion(s)*

- Business systems specialists (21221)
- Computer and information systems managers (20012)
- Computer engineers (except software engineers and designers) (21311)
- Computer systems developers and programmers (21230)
- Database analysts and data administrators (21223)
- Information systems specialists (21222)
- Software developers and programmers (21232)
- Software engineers and designers (21231)
- Web designers (21233)
- Web developers and programmers (21234)

#### *Main duties*

This group performs some or all of the following duties:

- Confer with clients to identify and document requirements, assess physical and technical security risks to data, software and hardware
- Apply encryption protocols, and manage keys to ensure security of data is maintained while at rest and in transit
- Monitor access and credentials for information and systems



- Install, test and operate security software and tools such as anti-virus and automated threat detection/prevent systems to ensure security measures are in place and working as intended
- Monitor for cyber attacks, intrusions and unusual, unauthorised or illegal activity
- Plan and carry out security measures in response to cybersecurity events and incidents in accordance with an organization's incident response plan to protect information, data and systems
- Document computer security and emergency measures policies, procedures, and tests.

#### *Employment requirements*

- A bachelor's degree in computer science, computer security, computer systems engineering, information systems or completion of a college program in information technology, network administration or other computer science related program is usually required.
- Certification or training provided by software vendors may be required by some employers.

### **21221 Business systems specialists**

Business systems specialists perform detailed system tests, produce reports and develop new system architectures. They must also identify the strategic objectives of a company and translate these objectives into achievable tasks for an organization's information technology department. They are employed in information technology consulting firms and in information technology units throughout the public and private sectors.

#### *Illustrative example(s)*

- business systems analyst
- business systems consultant
- business systems specialist - computer systems
- information systems business analyst
- information technology (IT) business analyst

#### *Exclusion(s)*

- Computer and information systems managers (20012)
- Cybersecurity specialists (21220)
- Database analysts and data administrators (21223)
- Information systems specialists (21222)
- Professional occupations in business management consulting (11201)

#### *Main duties*

This group performs some or all of the following duties:

- Confer with clients to identify and document requirements
- Analyze information systems processes, and propose customized solutions to improve performance and efficiency
- Design, develop, integrate, test and implement information systems business solutions
- Provide advice on information systems strategy, policy, management, security and service delivery
- Act as a liaison between the business units, technology teams and support teams
- Conduct tests to ensure the reliability, accuracy, and functionality of system changes and enhancements.

### *Employment requirements*

- A bachelor's degree in computer science, business administration, information systems or a related discipline or completion of a college program in computer science is usually required.
- Certification or training may be required by some employers.

## **21222 Information systems specialists**

Information systems specialists analyze, test and assess systems requirements, develop and implement information systems development plans, policies and procedures, and provide advice on a wide range of information systems issues. They are employed in information technology consulting firms and in information technology units throughout the public and private sectors, or they may be self-employed.

### *Illustrative example(s)*

- computer systems analyst
- informatics consultant
- information systems quality assurance (QA) analyst
- information technology (IT) consultant
- management information systems (MIS) analyst
- systems auditor
- systems consultant

### *Exclusion(s)*

- Computer and information systems managers (20012)
- Computer engineers (except software engineers and designers) (21311)
- Computer systems developers and programmers (21230)
- Data scientists (21211)
- Database analysts and data administrators (21223)
- Financial auditors and accountants (11100)
- Professional occupations in business management consulting (11201)
- Software developers and programmers (21232)
- Software engineers and designers (21231)
- Web designers (21233)
- Web developers and programmers (21234)

### *Main duties*

This group performs some or all of the following duties:

- Design, develop, test, implement and oversee IT systems
- Collect and analyze data to identify areas for improvement within an organization's IT infrastructure
- Review existing IT systems and internal processes
- Develop, implement and apply policies and procedures throughout the software development life cycle to maximize the efficiency, effectiveness and overall quality of software products and information systems, and to ensure that all systems and processes meet organization standards and user requirements
- Develop quality assurance procedures and tests for the development and improvement of new and existing systems

- Identify, analyze and document discrepancies and ensure that appropriate adjustments are made
- Perform preventive maintenance tasks on computer systems.

#### *Employment requirements*

- A bachelor's degree in computer science, computer systems engineering, software engineering, business administration or a related discipline or completion of a college program in computer science is usually required.
- Experience as a computer programmer is usually required.
- Certification or training provided by software vendors may be required by some employers.
- A professional certification such as Certified Information Systems Auditor (CISA), Certified Information Security Manager (CISM), Certified Internal Auditor (CIA) or another related information technology (IT) designation.

### **21223 Database analysts and data administrators**

Database analysts design, develop and administer data management solutions. Data administrators develop and implement data administration policy, standards and models. They are employed in information technology consulting firms and in information technology units throughout the public and private sectors.

#### *Illustrative example(s)*

- data administrator
- data custodian
- data dictionary administrator
- data warehouse analyst
- database administrator (DBA)
- database analyst
- database architect
- technical architect - database

#### *Exclusion(s)*

- Computer and information systems managers (20012)
- Computer engineers (except software engineers and designers) (21311)
- Computer systems developers and programmers (21230)
- Information systems specialists (21222)
- Software developers and programmers (21232)
- Software engineers and designers (21231)

#### *Main duties*

This group performs some or all of the following duties:

##### Database analysts

- Collect and document user requirements
- Design and develop database architecture for information systems projects
- Design, construct, modify, integrate, implement and test data models and database management systems
- Conduct research and provide advice to other informatics professionals regarding the selection, application and implementation of database management tools

- Operate database management systems to analyze data and perform data mining analysis
- May lead, coordinate or supervise other workers in this group.

#### Data administrators

- Develop and implement data administration policy, standards and models
- Research and document data requirements, data collection and administration policy, data access rules and security
- Develop policies and procedures for network and/or Internet database access and usage and for the backup and recovery of data
- Conduct research and provide advice to other information systems professionals regarding the collection, availability, security and suitability of data
- Write scripts related to stored procedures and triggers
- May lead and coordinate teams of data administrators in the development and implementation of data policies, standards and models.

#### Employment requirements

- A bachelor's degree or college program, usually in computer science, computer engineering, or in mathematics is usually required.
- Computer programming and related experience is usually required.

### **2123 Computer, software and Web designers and developers**

This minor group comprises computer, software and Web designers and developers, including computer systems developers and programmers, software engineers and designers, software developers and programmers, Web designers, and Web developers and programmers. They are employed by computer software development and information technology consulting, research and development companies; advertising agencies; and in information technology units throughout the public and private sectors; or they may be self-employed.

#### **21230 Computer systems developers and programmers**

Computer systems developers and programmers write, modify, integrate and test computer code for software applications, data processing applications, operating systems-level software and communications software. They are employed in computer software development firms, information technology consulting firms, and in information technology units throughout the public and private sectors.

#### *Illustrative example(s)*

- computer programmer
- operating systems programmer
- programmer analyst
- scientific programmer
- systems programmer

#### *Exclusion(s)*

- Computer network and web technicians (22220)
- Database analysts and data administrators (21223)
- Electronic business (e-business) manager (See 10022-Advertising, marketing and public relations managers)
- Information systems specialists (21222)

- Information systems testing technicians (22222)
- Software engineers and designers (21231)
- Web designers (21233)
- Web developers and programmers (21234)

### *Main duties*

This group performs some or all of the following duties:

- Write, modify, integrate and test software code
- Maintain existing computer programs by making modifications as required
- Identify and communicate technical problems, processes and solutions
- Prepare reports, manuals and other documentation on the status, operation and maintenance of software
- Assist in the collection and documentation of user requirements
- Assist in the development of logical and physical specifications
- May lead and coordinate teams of computer programmers
- May research and evaluate a variety of software products.

### *Employment requirements*

- A bachelor's degree or college diploma program in computer science, computer engineering or in another discipline with a significant programming component.
- Specialization in programming for engineering and scientific applications requires specific post-secondary study or experience.

### *Additional information*

- Progression to information systems analyst is possible with experience.

## **21231 Software engineers and designers**

Software engineers and designers research, design, evaluate, integrate and maintain software applications, technical environments, operating systems, embedded software, information warehouses and telecommunications software. They are employed in information technology consulting firms, information technology research and development firms, and information technology units throughout the private and public sectors, or they may be self-employed.

### *Illustrative example(s)*

- application architect
- computer software engineer
- embedded software designer
- embedded software engineer
- software architect
- software design engineer
- software design verification engineer
- software designer
- software testing engineer
- telecommunications software engineer

### *Inclusion(s)*

- systems architect

### *Exclusion(s)*

- Computer and information systems managers (20012)
- Computer engineer (except software) (See 21311-Computer engineers (except software engineers and designers))
- Computer systems developers and programmers (21230)
- Database analysts and data administrators (21223)
- Electrical and electronics engineers (21310)
- Information systems specialists (21222)
- Information systems testing technicians (22222)
- Software developers and programmers (21232)
- Web designers (21233)
- Web developers and programmers (21234)

### *Main duties*

This group performs some or all of the following duties:

- Collect and document users' requirements and develop logical and physical specifications
- Research, evaluate and synthesize technical information to design, develop and test computer-based systems including mobile applications
- Develop data, process and network models to optimize architecture and to evaluate the performance and reliability of designs
- Plan, design and coordinate the development, installation, integration and operation of computer-based systems including mobile applications
- Assess, test, troubleshoot, document, upgrade and develop maintenance procedures for operating systems, communications environments and applications software
- May lead and coordinate teams of information systems professionals in the development of software and integrated information systems, process control software and other embedded software control systems.

### *Employment requirements*

- A bachelor's degree, usually in computer science, computer systems engineering, software engineering or mathematics  
or  
Completion of a college program in computer science is usually required.
- A master's or doctoral degree in a related discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, three or four years of supervised work experience in engineering, and passing a professional practice examination.
- Experience as a computer programmer is usually required.

## **21232 Software developers and programmers**

Software developers and programmers design, write, and test code for new systems and software to ensure efficiency. They create the foundations for operative systems and run diagnostic programs to certify effectiveness.

They are employed in computer software, computer and video game development firms, information technology consulting firms, and in information technology units throughout the public and private sectors.

#### *Illustrative example(s)*

- application programmer
- computer game developer
- electronic business (e-business) software developer
- interactive media developer
- multimedia developer
- software developer
- software programmer

#### *Exclusion(s)*

- Computer applications engineer (See 21231-Software engineers and designers)
- Computer network and web technicians (22220)
- Computer systems developers and programmers (21230)
- Database analysts and data administrators (21223)
- Electronic business (e-business) manager (See 10022-Advertising, marketing and public relations managers)
- Graphic designers and illustrators (52120)
- Information systems specialists (21222)
- Information systems testing technicians (22222)
- Web designers (21233)
- Web developers and programmers (21234)

#### *Main duties*

This group performs some or all of the following duties:

- Design, write, read, test, and correct code for new software
- Analyze information to recommend and plan the installation of new systems or modifications of an existing system
- Evaluate simple interrelationships between programs such as whether a contemplated change in one part of a program would cause unwanted results in a related part
- Program animation software to predefined specifications for interactive video games, Internet and mobile applications
- Write, modify, integrate and test software code for e-commerce, Internet and mobile applications
- Develop, implement, modify and maintain gameplay features that integrate effectively into existing software
- Write documentation for new and updated software.

#### *Employment requirements*

- A bachelor's degree in computer science or software engineering or in another discipline with a significant programming component or completion of a college program in computer science or related field is usually required.
- Experience as a computer programmer is usually required.

### *Additional information*

- Progression to software engineer is possible with experience.

## **21233 Web designers**

Web designers develop and create the visual presentation, layout and functionality of websites and related applications. They are responsible for ensuring that the website is easy to use, and that the information is easy to access. Web designers are employed in computer software development firms, information technology consulting firms, information technology units throughout the public and private sectors, advertising agencies or they may be self-employed.

### *Illustrative example(s)*

- Internet site designer
- Intranet site designer
- Web designer

### *Exclusion(s)*

- Computer network and web technicians (22220)
- Electronic business (e-business) manager (See 10022-Advertising, marketing and public relations managers)
- Graphic designers and illustrators (52120)
- Information systems specialists (21222)
- Information systems testing technicians (22222)
- Web developers and programmers (21234)

### *Main duties*

This group performs some or all of the following duties:

- Establish design guidelines, standards and optimal design practices
- Maintain the appearance of websites by applying content standards
- Designing visual imagery for websites and ensuring that it is consistent with the organization image
- Integrate features and functionalities into Web sites
- Create and optimize content for the Web site using a variety of graphics, database, animation and other software
- Test and improve the design of a Web site
- May lead and coordinate multidisciplinary teams to develop Web site graphics, content, capacity and interactivity.

### *Employment requirements*

- A bachelor's degree in computer science or graphic design  
or  
Completion of a college program in computer science, graphic arts, or Web design is required.
- Experience as a graphic designer is usually required.



## 21234 Web developers and programmers

Web developers and programmers use a variety of programming languages to design, create and modify websites. They analyze users' needs to implement content, graphics, performance, and website capacity. They may also integrate websites with other computer applications. They are employed in computer software development firms, information technology consulting firms, information technology units throughout the public and private sectors, advertising agencies or they may be self-employed.

### *Illustrative example(s)*

- electronic business (e-business) Web site developer
- Internet site developer
- Web developer
- Web manager
- Web programmer
- Web site developer

### *Exclusion(s)*

- Computer network and web technicians (22220)
- Electronic business (e-business) manager (See 10022-Advertising, marketing and public relations managers)
- Information systems specialists (21222)
- Information systems testing technicians (22222)
- Network systems engineer (See 21311-Computer engineers (except software engineers and designers))
- Software developers and programmers (21232)
- Web designers (21233)

### *Main duties*

This group performs some or all of the following duties:

- Develop, write, modify, integrate and test Web site related code and web application interfaces
- Conduct tests and analyze data to monitor quality, security, user interface experiences and to identify areas for improvement
- Develop and implement procedures for ongoing Web site revision
- Monitor and maintain Web site functionality
- May participate in Web site architecture and design in collaboration with designers or clients
- May research and evaluate a variety of interactive media software products.

### *Employment requirements*

- A bachelor's degree, usually in computer science, computer programming, web development or software engineering  
or  
completion of a college program in computer science or related field is usually required.
- Experience as a computer programmer is usually required.

## 213 Professional occupations in engineering

This sub-major group comprises professional occupations in engineering, including civil and mechanical engineers; electrical, electronics and computer engineers; manufacturing and processing engineers; natural resources engineers; and other engineers.

### 2130 Civil and mechanical engineers

This minor group comprises civil and mechanical engineers. They are employed by governments; engineering, consulting and construction companies; a wide range of manufacturing, processing and transportation industries; or they may be self-employed.

#### 21300 Civil engineers

Civil engineers plan, design, develop and manage projects for the construction or repair of buildings, earth structures, powerhouses, roads, airports, railways, rapid transit facilities, bridges, tunnels, canals, dams, ports and coastal installations and systems related to highway and transportation services, water distribution and sanitation. Civil engineers may also specialize in foundation analysis, building and structural inspection, surveying, geomatics and municipal planning. They are employed by engineering consulting companies, in all levels of government, by construction firms and in many other industries, or they may be self-employed.

##### *Illustrative example(s)*

- bridge engineer
- civil engineer
- construction engineer
- construction project engineer
- environmental engineer
- geodetic engineer
- geomatics engineer
- highway engineer
- hydraulics engineer
- municipal engineer
- public works engineer
- sanitation engineer
- structural engineer
- surveying engineer
- traffic engineer
- transportation engineer
- water management engineer

##### *Inclusion(s)*

- spatial information systems engineer

##### *Exclusion(s)*

- Construction managers (70010)
- Engineering managers (20010)
- Environmental chemical engineer (See 21320-Chemical engineers)

- Geological engineers (21331)
- Managers in transportation (70020)

### *Main duties*

This group performs some or all of the following duties:

- Confer with clients and other members of the engineering team and conduct research to determine project requirements
- Plan and design major civil projects such as buildings, roads, bridges, dams, water and waste management systems and structural steel fabrications
- Develop construction specifications and procedures
- Evaluate and recommend appropriate building and construction materials
- Interpret, review and approve survey and civil design work
- Conduct field services for civil works
- Ensure construction plans meet guidelines and specifications of building codes and other regulations
- Establish and monitor construction work schedules
- Conduct feasibility studies, economic analyses, municipal and regional traffic studies, environmental impact studies or other investigations
- Monitor air, water and soil quality and develop procedures to clean up contaminated sites
- Conduct technical analyses of survey and field data for development of topographic, soil, hydrological or other information and prepare reports
- Act as project or site supervisor for land survey or construction work
- Prepare contract documents and review and evaluate tenders for construction projects
- Supervise technicians, technologists and other engineers and review and approve designs, calculations and cost estimates.

### *Employment requirements*

- A bachelor's degree in civil engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

### *Additional information*

- There is considerable mobility between civil engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## 21301 Mechanical engineers

Mechanical engineers research, design and develop machinery and systems for heating, ventilating and air conditioning, power generation, transportation, processing and manufacturing. They also perform duties related to the evaluation, installation, operation and maintenance of mechanical systems. They are employed by consulting firms, by power-generating utilities and in a wide range of manufacturing, processing and transportation industries, or they may be self-employed.

### *Illustrative example(s)*

- acoustics engineer
- automotive engineer
- design engineer - mechanical
- energy conservation engineer
- fluid mechanics engineer
- heating, ventilation and air conditioning (HVAC) engineer
- mechanical engineer
- mechanical maintenance engineer
- nuclear engineer
- piping engineer
- power generation engineer
- refrigeration engineer
- robotics engineer
- thermal design engineer
- tool engineer

### *Exclusion(s)*

- Engineering managers (20010)
- Industrial and manufacturing engineers (21321)
- Metallurgical and materials engineers (21322)
- Power engineer (See 92100-Power engineers and power systems operators)
- Stationary engineer (See 92100-Power engineers and power systems operators)

### *Main duties*

This group performs some or all of the following duties:

- Conduct research into the feasibility, design, operation and performance of mechanisms, components and systems
- Plan and manage projects, and prepare material, cost and timing estimates, reports and design specifications for machinery and systems
- Design power plants, machines, components, tools, fixtures and equipment
- Analyze dynamics and vibrations of mechanical systems and structures
- Supervise and inspect the installation, modification and commissioning of mechanical systems at construction sites or in industrial facilities
- Develop maintenance standards, schedules and programs and provide guidance to industrial maintenance crews
- Investigate mechanical failures or unexpected maintenance problems

- Prepare contract documents and evaluate tenders for industrial construction or maintenance
- Supervise technicians, technologists and other engineers and review and approve designs, calculations and cost estimates.

#### *Employment requirements*

- A bachelor's degree in mechanical engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

#### *Additional information*

- There is considerable mobility between mechanical engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Mechanical engineers work closely with civil, electrical, aerospace, chemical, industrial and other engineers, and mobility is possible between some fields of specialization in these disciplines.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## **2131 Electrical, electronics and computer engineers**

This minor group comprises electrical, electronics and computer engineers other than software engineers and designers. They are employed by electrical utilities, telecommunications companies, manufacturers of electrical and electronic equipment, consulting firms, computer and telecommunication hardware manufacturers, and by a wide range of manufacturing, processing and transportation industries, by governmental, educational and research institutions and in information technology units throughout the public and private sectors.

### **21310 Electrical and electronics engineers**

Electrical and electronics engineers design, plan, research, evaluate and test electrical and electronic equipment and systems. They are employed by electrical utilities, communications companies, manufacturers of electrical and electronic equipment, consulting firms, and by a wide range of manufacturing, processing and transportation industries and government.

#### *Illustrative example(s)*

- avionics engineer
- control systems engineer
- electrical design engineer
- electrical distribution planning engineer
- electrical engineer
- electrical network engineer
- electrical process control engineer
- electrical systems planning engineer
- electronics engineer
- electronics test engineer

- instrumentation and control engineer
- roadway lighting design engineer
- television systems engineer

#### *Exclusion(s)*

- Computer and information systems managers (20012)
- Computer engineers (except software engineers and designers) (21311)
- Electrical and electronics engineering technologists and technicians (22310)
- Engineering managers (20010)
- Software engineers and designers (21231)

#### *Main duties*

This group performs some or all of the following duties:

- Conduct research into the feasibility, design, operation and performance of electrical generation and distribution networks, electrical machinery and components and electronic communications, instrumentation and control systems, equipment, and components
- Prepare material cost and timing estimates, reports and design specifications for electrical and electronic systems and equipment
- Design electrical and electronic circuits, components, systems and equipment
- Conduct micro or nanodevices simulations, characterization, process modeling and integration in the development of new electronic devices and products
- Supervise and inspect the installation, modification, testing and operation of electrical and electronic systems and equipment
- Develop maintenance and operating standards for electrical and electronic systems and equipment
- Investigate electrical or electronic failures
- Prepare contract documents and evaluate tenders for construction or maintenance
- Supervise technicians, technologists, programmers, analysts and other engineers.

Electrical and electronics engineers may specialize in a number of areas including electrical design for residential, commercial or industrial installations, electrical power generation and transmission, and instrumentation and control systems.

#### *Employment requirements*

- A bachelor's degree in electrical or electronics engineering or in an appropriate related engineering discipline is required.
- A master's or doctoral degree in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

*Additional information*

- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

**21311 Computer engineers (except software engineers and designers)**

Computer engineers (except software engineers and designers) research, plan, design, develop, modify, evaluate and integrate computer and telecommunications hardware and related equipment, and information and communication system networks including mainframe systems, local and wide area networks, fibre-optic networks, wireless communication networks, intranets, the Internet and other data communications systems. They are employed by computer and telecommunication hardware manufacturers, by engineering, manufacturing and telecommunications firms, in information technology consulting firms, by governmental, educational and research institutions and in information technology units throughout the private and public sectors.

*Illustrative example(s)*

- computer hardware engineer
- fibre-optic network designer
- hardware circuit board designer
- hardware development engineer
- hardware technical architect
- network test engineer
- systems designer - hardware
- telecommunications hardware engineer
- wireless communications network engineer

*Exclusion(s)*

- Business systems specialists (21221)
- Computer and information systems managers (20012)
- Computer systems developers and programmers (21230)
- Cybersecurity specialists (21220)
- Electrical and electronics engineering technologists and technicians (22310)
- Electrical and electronics engineers (21310)
- Engineering managers (20010)
- Information systems specialists (21222)
- Software developers and programmers (21232)
- Software engineers and designers (21231)
- Web designers (21233)
- Web developers and programmers (21234)

*Main duties*

This group performs some or all of the following duties:

Computer and telecommunications hardware engineers

- Analyze user requirements, and design and develop system architecture and specifications

- Research, design, develop and integrate computer and telecommunications hardware such as microprocessors, integrated circuit boards and semiconductor lasers
- Develop and conduct design verification simulations and prototype bench tests of components
- Supervise, inspect and provide design support during the manufacturing, installation and implementation of computer and telecommunications hardware
- Establish and maintain relationships with suppliers and clients
- May lead and coordinate teams of engineers, technologists, technicians and drafters in the design and development of computer and telecommunications hardware.

#### Network system and data communication engineers

- Research, design and develop information and communication system network architecture
- Research, evaluate and integrate network system and data communication hardware and software
- Assess, document and optimize the capacity and performance of information and communication system networks
- May lead and coordinate teams of design professionals in the development and integration of information and communication system architecture, hardware and software.

Computer engineers may specialize in a number of areas including analog and digital signal processing, fibre optics, integrated circuits, lasers, microprocessors, microwaves and radio astronomy.

#### *Employment requirements*

- Computer engineers require a bachelor's degree in computer engineering, electrical or electronics engineering, engineering physics or computer science.
- A master's or doctoral degree in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, three or four years of supervised work experience in engineering and passing a professional practice examination.

#### *Additional information*

- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## **2132 Manufacturing and processing engineers**

This minor group comprises manufacturing and processing engineers, including chemical engineers, industrial and manufacturing engineers, and metallurgical and materials engineers. They are employed in a wide range of manufacturing and processing industries, consulting firms, government, financial, health care institutions, research and educational institutions or they may be self-employed.

### **21320 Chemical engineers**

Chemical engineers research, design, and develop chemical processes and equipment, oversee the operation and maintenance of industrial chemical, plastics, pharmaceutical, resource, pulp and paper, and food processing plants and perform duties related to chemical quality control, environmental protection and biochemical or biotechnical engineering. They are employed in a wide range of manufacturing and processing industries, consulting firms, government, research and educational institutions.



*Illustrative example(s)*

- adhesives engineer
- biochemical engineer
- biotechnical engineer
- chemical process control engineer
- chemical process engineer
- chemical project engineer
- environmental chemical engineer
- industrial hygiene engineer
- industrial waste treatment engineer
- liquid fuels engineer
- petrochemical engineer
- polymer engineer
- pulp and paper engineer
- refinery engineer
- waste treatment engineer

*Inclusion(s)*

- pipeline transport engineer

*Exclusion(s)*

- Agricultural engineer (See 21399-Other professional engineers)
- Biomedical engineer (See 21399-Other professional engineers)
- Chemists (21101)
- Civil environmental engineer (See 21300-Civil engineers)
- Electrical process control engineer (See 21310-Electrical and electronics engineers)
- Engineering managers (20010)
- Metallurgical and materials engineers (21322)
- Petroleum engineers (21332)

*Main duties*

This group performs some or all of the following duties:

- Conduct economic and technical feasibility studies in areas related to chemical, petroleum, pulp and paper, food or other processing industries
- Conduct research into the development or improvement of chemical engineering processes, reactions and materials
- Evaluate chemical process technology and equipment and determine production specifications
- Design and test chemical processing and associated plants and equipment
- Oversee the construction, modification, operation and maintenance of pilot plants, processing units or processing plants
- Establish and conduct quality control programs, operating procedures and control strategies to ensure consistency and adherence to standards for raw materials, products and waste products or emissions
- Prepare contract documents and evaluate tenders for the process aspects of industrial construction

- Supervise technicians, technologists and other engineers
- May work in an administrative capacity, for example, in the development of guidelines and specifications for the handling of dangerous chemicals, environmental protection, or standards for foods, materials and consumer goods.

Chemical engineers may specialize in the products and processes of a particular industry such as pulp and paper manufacturing, pharmaceuticals, petroleum refining, energy processing, plastics, metal extraction and refining, or adhesives and coatings production. They may also specialize in functional areas of various industries such as process control, pollution control or fermentation processes.

#### *Employment requirements*

- A bachelor's degree in chemical engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

#### *Additional information*

- There is considerable mobility between chemical engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.
- Chemical engineers work closely with chemists and other scientists and engineers and mobility is possible between some fields of specialization.

### **21321 Industrial and manufacturing engineers**

Industrial and manufacturing engineers conduct studies, and develop and supervise programs to achieve the best use of equipment, human resources, technology, materials and procedures to enhance efficiency and productivity. They are employed in consulting firms, manufacturing and processing companies, in government, financial, health care and other institutions, or they may be self-employed.

#### *Illustrative example(s)*

- computer integrated manufacturing (CIM) engineer
- fire prevention engineer
- industrial engineer
- manufacturing engineer
- plant engineer
- production engineer
- quality control engineer
- safety engineer
- work measurement engineer

*Exclusion(s)*

- Computer engineers (except software engineers and designers) (21311)
- Engineering managers (20010)
- Mechanical engineers (21301)
- Metallurgical and materials engineers (21322)
- Organizational analyst (See 11201-Professional occupations in business management consulting)

*Main duties*

This group performs some or all of the following duties:

- Plan and design plant layouts and facilities
- Study new machinery and facilities and recommend or select efficient combinations
- Develop flexible or integrated manufacturing systems and procedures
- Conduct studies and implement programs to determine optimum inventory levels for production and to allow optimum utilization of machinery, materials and resources
- Analyze costs of production
- Design, develop and conduct time studies and work simplification programs
- Determine human resource and skill requirements and develop training programs
- Develop performance standards, evaluation systems and wage and incentive programs
- Conduct studies of the reliability and performance of plant facilities and production or administrative systems
- Develop maintenance standards, schedules and programs
- Establish programs and conduct studies to enhance industrial health and safety or to identify and correct fire and other hazards
- Evaluate or assess industrial facilities
- Supervise technicians, technologists, analysts, administrative staff and other engineers.

*Employment requirements*

- A bachelor's degree in industrial engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

*Additional information*

- Industrial engineers develop and implement organizational and management systems, and manufacturing engineers design production processes.
- There is considerable mobility between industrial engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## 21322 Metallurgical and materials engineers

Metallurgical and materials engineers conduct studies of the properties and characteristics of metals and other non-metallic materials and plan, design and develop machinery and processes to concentrate, extract, refine and process metals, alloys and other materials such as ceramics, semiconductors and composite materials. They are employed in consulting engineering firms, mining, metal processing and manufacturing companies, and in government, research and educational institutions.

### *Illustrative example(s)*

- ceramics engineer
- corrosion engineer
- electrometallurgical engineer
- foundry engineer
- hydrometallurgical engineer
- materials engineer
- metallurgical engineer
- physical metallurgical engineer
- pyrometallurgical engineer
- welding engineer

### *Exclusion(s)*

- Chemical engineers (21320)
- Chemists (21101)
- Engineering managers (20010)
- Materials scientist (See 21109-Other professional occupations in physical sciences)
- Mining engineers (21330)
- Physical metallurgist (See 21109-Other professional occupations in physical sciences)

### *Main duties*

This group performs some or all of the following duties:

- Conduct studies and design, develop and specify the processes, and machinery to concentrate, extract, refine and process metals from ores
- Conduct studies on the properties and characteristics of materials and design, develop and specify processes for moulding, shaping, forming and thermal treatment of metals, alloys and metallic systems, ceramics, semiconducting and other materials
- Conduct chemical and physical analytical studies, failure analyses and other studies and recommend material selection, design of materials, corrosion control measures, operational testing and other procedures
- Coordinate production testing and control of metal refining, smelting or foundry operations or non-metallic materials production operations
- Supervise technologists, technicians and other engineers and scientists.

### *Employment requirements*

- A bachelor's degree in metallurgical, materials, ceramic or chemical engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.

- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

#### *Additional information*

- Metallurgical engineers research and develop new alloys and systems for extracting metal from ores; materials engineers research and develop new non-metallic materials with physical characteristics to meet specific requirements.
- There is considerable mobility between engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Metallurgical and materials engineers work closely with other engineers and scientists and mobility is possible between some fields of specialization.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

### **2133 Natural resources engineers**

This minor group comprises natural resources engineers, including mining engineers, geological engineers and petroleum engineers. They are employed by governments; consulting, engineering, mining, petroleum, electrical utilities, well logging or testing companies; and research and educational institutions.

#### **21330 Mining engineers**

Mining engineers plan, design, organize and supervise the development of mines, mine facilities, systems and equipment; and prepare and supervise the extraction of metallic or non-metallic minerals and ores from underground or surface mines. They are employed by mining companies, consulting engineering companies, manufacturers, government and in educational and research institutions.

#### *Illustrative example(s)*

- mine design engineer
- mine development engineer
- mine layout engineer
- mine production engineer
- mine safety engineer
- mine ventilation engineer
- mineral engineer
- mining engineer

#### *Exclusion(s)*

- Engineering managers (20010)
- Geological engineers (21331)
- Geoscientists and oceanographers (21102)
- Metallurgical and materials engineers (21322)

- Mine manager (See 80010-Managers in natural resources production and fishing)
- Petroleum engineers (21332)

### *Main duties*

This group performs some or all of the following duties:

- Conduct preliminary surveys and studies of ore, mineral or coal deposits to assess the economic and environmental feasibility of potential mining operations
- Determine the appropriate means of safely and efficiently mining deposits
- Determine and advise on appropriate drilling and blasting methods for mining, construction or demolition
- Design shafts, ventilation systems, mine services, haulage systems and supporting structures
- Design, develop and implement computer applications such as for mine design, mine modelling, mapping or for monitoring mine conditions
- Plan and design or select mining equipment and machinery and mineral treatment machinery and equipment in collaboration with other engineering specialists
- Plan, organize and supervise the development of mines and mine structures and the operation and maintenance of mines
- Prepare operations and project estimates, schedules and reports
- Implement and coordinate mine safety programs
- Supervise and coordinate the work of technicians, technologists, survey personnel, and other engineers and scientists.

### *Employment requirements*

- A bachelor's degree in mining engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

### *Additional information*

- Supervisory and senior positions in this unit group require experience.
- Mining engineers work closely with geologists, geological engineers, metallurgical engineers, and other engineers and scientists, and mobility is possible between some fields of specialization.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## **21331 Geological engineers**

Geological engineers conduct geological and geotechnical studies to assess suitability of locations for civil engineering, mining and oil and gas projects; and plan, design, develop and supervise programs of geological data acquisition and analysis and the preparation of geological engineering reports and recommendations. They are employed in consulting engineering companies, electrical utilities, mining and petroleum companies and in government and research and educational institutions.

*Illustrative example(s)*

- geological engineer
- geophysical engineer
- hydrogeological engineer - engineering

*Exclusion(s)*

- Civil engineers (21300)
- Engineering managers (20010)
- Geoscientists and oceanographers (21102)
- Land surveyors (21203)
- Mining engineers (21330)
- Petroleum engineers (21332)

*Main duties*

This group performs some or all of the following duties:

- Plan, develop and coordinate programs of geotechnical, geological, geophysical or geohydrological data acquisition, analysis and mapping to assist in the development of civil engineering, mining, petroleum and waste management projects or for regional development
- Analyze and prepare recommendations and reports for construction or improvements to foundations of civil engineering projects such as rock excavation, pressure grouting and hydraulic channel erosion control
- Analyze and prepare recommendations and reports on settlement of buildings, stability of slopes and fills, and probable effects of landslides and earthquakes to support construction and civil engineering projects
- Conduct theoretical and applied study of groundwater flow and contamination and develop prescriptions for site selection, treatment and construction
- Plan, develop, coordinate and conduct theoretical and experimental studies in mining exploration, mine evaluation and feasibility studies relative to the mining industry
- Conduct surveys and studies of ore deposits, ore reserve calculations and mine design
- Design, develop and implement computer applications for geophysics, geochemistry, geology, mapping and related fields
- Supervise technologists, technicians and other engineers and scientists.

*Employment requirements*

- A bachelor's degree in geological engineering or in a related discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, three or four years of supervised work experience in engineering and passing a professional practice examination.

*Additional information*

- There is considerable mobility between engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.

- Geological engineers work closely with geologists and other scientists and engineers, and mobility is possible between some fields of specialization.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## 21332 Petroleum engineers

Petroleum engineers conduct studies for the exploration, development and extraction of oil and gas deposits; and plan, design, develop and supervise projects for the drilling, completion, testing and re-working of oil and gas wells. They are employed by petroleum producing companies, consulting companies, well logging or testing companies, government, and research and educational institutions.

### *Illustrative example(s)*

- oil and gas drilling engineer
- oil and gas production engineer
- petroleum engineer
- petroleum reservoir engineer
- petroleum well completion engineer
- subsea engineer

### *Exclusion(s)*

- Chemical engineers (21320)
- Contractors and supervisors, oil and gas drilling and services (82021)
- Engineering managers (20010)
- Geological engineers (21331)
- Geoscientists and oceanographers (21102)

### *Main duties*

This group performs some or all of the following duties:

- Conduct feasibility assessment studies for developing new oil and gas fields
- Direct and monitor oil and gas drilling operations
- Develop drilling programs, select sites and specify drilling fluids, bit selection, drill stem testing procedures and equipment
- Direct and monitor the completion and evaluation of wells, well testing and well surveys
- Design and select artificial lift machinery, and well and surface production equipment and systems, and specify programs for corrosion control and oil or gas treatment
- Develop specifications for and monitor and supervise well modification and stimulation programs to maximize oil and gas recovery
- Analyze reservoir rock and fluid data to design optimum recovery methods and to predict reservoir performance and reserves
- Monitor and forecast oil and gas reservoir performance and recommend oil recovery techniques which extend the economic life of wells
- Design, develop and coordinate the installation, maintenance and operation of subsea well-head and production equipment.

Petroleum engineers may specialize in drilling, production, reservoir analysis or subsea operations.



*Employment requirements*

- A bachelor's degree in petroleum engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

*Additional information*

- There is mobility between petroleum engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

**2139 Other engineers**

This minor group comprises aerospace engineers and other professional engineers.

**21390 Aerospace engineers**

Aerospace engineers research, design and develop aerospace vehicles, aerospace systems and their components, and perform duties related to their testing, evaluation, installation, operation and maintenance. They are employed by aircraft and spacecraft manufacturers, air transport carriers, and in government and educational and research institutions.

*Illustrative example(s)*

- aerodynamics engineer
- aeronautical engineer
- aerospace engineer
- aerospace structural engineer
- aerospace systems engineer
- aerospace test engineer
- aircraft design engineer
- stress engineer - aerospace

*Exclusion(s)*

- Aircraft maintenance engineer (AME) - avionics (See 22313-Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Aircraft maintenance engineer (AME) (except avionics) (See 72404-Aircraft mechanics and aircraft inspectors)
- Avionics engineer (See 21310-Electrical and electronics engineers)
- Engineering managers (20010)
- Mechanical engineers (21301)
- Metallurgical and materials engineers (21322)

### *Main duties*

This group performs some or all of the following duties:

- Design and develop aerospace vehicles, systems and components such as aircraft, spacecraft, missiles, satellites and space-based communication systems
- Develop and conduct computer simulations of aerospace vehicles, systems and components using advanced mathematical modelling
- Prepare specifications for materials and processes to be used in aerospace manufacturing, maintenance, repair or modification
- Supervise and coordinate the manufacturing, assembly, modification, repair and overhaul of aircraft and spacecraft
- Coordinate ground and flight tests of air and spacecraft
- Develop operational specifications, maintenance schedules and manuals for operators
- Develop the technical phases of logistical and operational support for aerospace vehicles and systems
- Investigate and report on structural or other component or system failures, accidents or incidents and prepare recommendations for corrective action.

### *Employment requirements*

- A bachelor's degree in aerospace engineering or in a related engineering discipline, such as mechanical engineering or engineering physics, is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

### *Additional information*

- There is considerable mobility between aerospace engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Aerospace engineers work closely with other scientists and engineers and mobility is possible between some fields of specialization.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## **21399 Other professional engineers**

Other professional engineers include agricultural and bioresource engineers, biomedical engineers, engineering physicists and engineering scientists, marine and naval engineers, textile engineers and other specialized engineering occupations.

### *Illustrative example(s)*

- agricultural engineer
- biomedical engineer
- bioresource engineer
- engineering physicist

- engineering scientist
- food processing engineer
- marine engineer
- naval architect
- textile engineer

#### *Exclusion(s)*

- Biochemical and biotechnical engineer (See 21320-Chemical engineers)
- Engineering managers (20010)
- Marine engineer officer - water transport (See 72603-Engineer officers, water transport)
- Physicist (See 21100-Physicists and astronomers)

#### *Main duties*

This group performs some or all of the following duties:

##### Agricultural and bio-resource engineers

- Design and develop machinery, structures, equipment and systems related to agriculture and food processing.

##### Biomedical engineers

- Design and develop medical diagnostic and clinical instrumentation, equipment and procedures; develop devices to assist persons with disabilities; advise hospital administrators on planning, acquisition and use of medical equipment; and modify and install or supervise installation of equipment.

##### Engineering physicists and engineering scientists

- Conduct research, develop processes, programs and equipment to expand fundamental knowledge in the applied sciences and engineering and to support advanced engineering and scientific applications.

##### Marine and naval engineers

- Design and develop marine vessels and floating structures and associated marine power plants, propulsion systems and related systems and equipment and oversee the building, maintenance and repair of vessels and marine systems.

##### Textile engineers

- Design and develop processes, equipment and procedures for the production of fibres, yarns and textiles.

#### *Employment requirements*

- A bachelor's degree in an appropriate engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports, and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

### *Additional information*

- There is limited mobility between the engineering specializations included in this unit group.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

## **22 Technical occupations related to natural and applied sciences**

This major group comprises technical occupations related to natural sciences; technical occupations related to applied sciences and engineering. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

### **221 Technical occupations related to natural sciences**

This sub-major group comprises technical occupations related to natural sciences, including technical occupations in physical sciences and technical occupations in life sciences.

#### **2210 Technical occupations in physical sciences**

This minor group comprises technical occupations in physical sciences, including chemical technologists and technicians, and geological and mineral technologists and technicians. They are employed by research and development and quality control laboratories; consulting geology and engineering firms, chemical, petrochemical, pharmaceutical, construction, petroleum and mining companies; utilities; in manufacturing and processing industries; and by government, health and educational establishments.

##### **22100 Chemical technologists and technicians**

Chemical technologists and technicians provide technical support and services or may work independently in chemical engineering, chemical and biochemical research and analysis, industrial chemistry, chemical quality control and environmental protection. They are employed by research and development and quality control laboratories, consulting engineering companies, in chemical, petrochemical, pharmaceutical and a variety of other manufacturing and processing industries, and by utilities, health, educational and government establishments.

#### *Illustrative example(s)*

- biochemistry technologist
- chemical analyst
- chemical engineering technician
- chemical engineering technologist
- chemical laboratory analyst
- chemical research technician
- chemical technician
- chemical technologist
- food technologist
- formulation technician

- geochemical technician
- industrial hygiene technologist
- mass spectrometer technician
- master dyer - textiles
- paint technician
- pilot plant technician
- quality control technician - chemical processing
- quality control technician - food processing

#### *Inclusion(s)*

- documents examiner - applied chemistry
- forensic handwriting expert

#### *Exclusion(s)*

- Medical laboratory biochemistry technologist (See 32120-Medical laboratory technologists)
- Process technician - chemical processing (See 93101-Central control and process operators, petroleum, gas and chemical processing)

#### *Main duties*

This group performs some or all of the following duties:

##### Chemical technologists

- Set up and conduct chemical experiments, tests and analyses using techniques such as chromatography, spectroscopy, physical and chemical separation techniques and microscopy
- Operate and maintain laboratory equipment and apparatus and prepare solutions of gas or liquid, reagents, and sample formulations
- Compile records and interpret experimental or analytical results
- Develop and conduct programs of sampling and analysis to maintain quality standards of raw materials, chemical intermediates and products
- Assist in the development of chemical engineering processes, studies of chemical engineering procurement, construction, inspection and maintenance and the development of standards, procedures and health and safety measures
- Operate experimental chemical or petrochemical pilot plants
- Conduct or assist in air and water quality testing and assessments, environmental monitoring and protection activities, and development of and compliance with standards
- Assist in synthesis of small molecules for the purpose of creating drug candidates
- Assist in the design and fabrication of experimental apparatus.

##### Chemical technicians

- Assist in setting up and conducting chemical experiments, tests and analyses
- Operate and maintain laboratory equipment and apparatus and prepare solutions of gas and liquid, reagents and sample formulations
- Compile records for analytical studies
- Assist in developing and conducting programs of sampling and analysis to maintain quality standards

- Carry out a limited range of other technical functions in support of chemical research, tests and analyses, and environmental air and water quality monitoring and protection
- Assist in the design and fabrication of experimental apparatus.

#### *Employment requirements*

- Chemical technologists usually require completion of a two- or three-year college program in chemical, biochemical or chemical engineering technology or a closely related discipline.
- Chemical technicians usually require completion of a one- or two-year college program in chemical, biochemical or chemical engineering technology.
- National certification for chemical technologists and technicians is available through the Canadian Society for Chemical Technology.
- Certification in chemical engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required by employers.
- Chemical technologists and technicians are regulated in Quebec and Alberta.
- A period of supervised work experience, usually two years, is required before certification.

#### *Additional information*

- Considerable mobility is possible among jobs within this occupational group.
- Progression to managerial positions is possible with experience.
- Some chemical technologists and technicians working in support of fundamental research in chemistry or biochemistry are university graduates.

### **22101 Geological and mineral technologists and technicians**

Geological and mineral technologists and technicians provide technical support and services or may work independently in the fields of oil and gas exploration and production, geophysics, petroleum engineering, geology, mining and mining engineering, mineralogy, extractive and physical metallurgy, metallurgical engineering and environmental protection. They are employed by petroleum and mining companies, consulting geology and engineering firms, and by governments and educational institutions as well as by a variety of manufacturing, construction and utilities companies.

#### *Illustrative example(s)*

- assayer
- geological technician
- geophysical technologist
- groundwater technologist
- log technician
- marine geoscience technologist
- metallurgical technologist
- mineralogy technician
- mining engineering technologist
- mining technologist
- petroleum engineering technologist
- petroleum technician
- petrology technician

- reservoir engineering technician
- rock mechanics technician
- seismic technician
- welding technologist

#### *Inclusion(s)*

- laboratory technician - metallurgy

#### *Exclusion(s)*

- Chemical laboratory technician (See 22100-Chemical technologists and technicians)
- Chemical laboratory technologist (See 22100-Chemical technologists and technicians)
- Civil engineering technologists and technicians (22300)
- Contractors and supervisors, oil and gas drilling and services (82021)
- Electrical and electronics engineering technologists and technicians (22310)
- Supervisors, mining and quarrying (82020)
- Technical occupations in geomatics and meteorology (22214)

#### *Main duties*

This group performs some or all of the following duties:

##### Geological and mineral technologists

- Conduct or direct geological, geophysical, geochemical, hydrographic or oceanographic surveys, prospecting field trips, exploratory drilling, well logging or underground mine survey programs
- Configure, operate and maintain geophysical survey and well logging instruments and equipment
- Prepare notes, sketches, geological maps and cross sections
- Prepare, transcribe or analyze seismic, gravimetric, well log or other geophysical and survey data
- Assist engineers and geologists in the evaluation and analysis of petroleum and mineral reservoirs
- Prepare or supervise the preparation of rock, mineral or metal samples and perform physical and chemical laboratory tests
- Conduct or assist in environmental audits, in the design of measures to minimize undesirable environmental effects of new or expanded mining and oil and gas operations, and in the development of waste management and other related environmental protection procedures
- May supervise oil and gas well drilling, well completions and work-overs
- May conduct or supervise studies and programs related to mine development, mining methods, mine ventilation, lighting, drainage and ground control
- May assist engineers and metallurgists in specifying material selection, metal treatments or corrosion protection systems
- May assist hydrogeologists in evaluating groundwater and well circulation and in report preparation
- May develop specifications for heat treatment of metals or for welding, design welding fixtures, troubleshoot welding processes or quality problems and supervise welding projects
- May coordinate crew members' activities during seismic tests.

### Geological and mineral technicians

- Participate in geological, geophysical, geochemical, hydrographic or oceanographic surveys, prospecting field trips, exploratory drilling, well logging or underground mine survey programs and in environmental audits and related environmental protection activities
- Operate and maintain geophysical survey and well logging instruments and equipment
- Prepare notes, sketches, geological maps and cross sections
- Assist in preparing, transcribing or analyzing seismic, gravimetric, well log or other geophysical and survey data
- Assist in the preparation of rock, mineral or metal samples and in conducting physical and chemical laboratory tests
- Assist in hydrogeological field and laboratory studies and in preparation of reports
- Carry out a limited range of other technical functions in support of geology, geophysics and petroleum and mining engineering.

### *Employment requirements*

- Geological and mineral technologists usually require completion of a two- to three-year college program in geological technology, petroleum technology, petroleum engineering technology, hydrogeology or groundwater technology, mining technology, mining engineering technology, mineralogy, metallurgical technology, or welding technology.
- Geophysics technologists usually require completion of a two- to three-year college program in electronics technology.
- Geological and mineral technicians usually require completion of a one- to two-year college program in a related field.
- Certification in geological and mineral technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required by employers.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title “Professional Technologist.”
- A period of supervised work experience, usually two years, is required before certification.

### *Additional information*

- There is limited mobility among occupations in this group.
- Mobility may be possible between geophysical technology and electronic technology.
- Mobility may be possible between some occupations in this group and related fields of civil engineering technology.

## **2211 Technical occupations in life sciences**

This minor group comprises technical occupations in life sciences, including biological technologists and technicians, agricultural and fish products inspectors, forestry technologists and technicians, conservation and fishery officers, and landscape and horticulture technicians and specialists. They are employed by governments and government agencies; manufacturers of food products, chemicals and pharmaceuticals; biotechnology, resource, utilities, environmental and other consulting companies; health, research, educational and other institutions; forestry and other industries; landscape designers and contractors, lawn service and tree care establishments, golf courses, nurseries and greenhouses; and municipal, provincial and national parks; or they may be self-employed.



## 22110 Biological technologists and technicians

Biological technologists and technicians provide technical support and services to scientists, engineers and other professionals working in fields such as agriculture, resource management, environmental protection, plant and animal biology, microbiology, cell and molecular biology and health sciences, or may work independently in these fields. They are employed in both laboratory and field settings by governments, manufacturers of food products, chemicals and pharmaceuticals, biotechnology companies, health, research and educational institutions, environmental consulting companies, and resource and utilities companies.

### *Illustrative example(s)*

- agricultural technician
- agricultural technologist
- agrology technician
- aquaculture technician
- bacteriological technician
- biological laboratory technologist
- botanical technician
- fish hatchery technician
- fisheries technician
- food bacteriological technician
- microbiology quality control technologist
- microbiology technologist (except medical)
- plant breeding technician
- seed technologist
- wildlife biology technician

### *Exclusion(s)*

- Agricultural and fish products inspectors (22111)
- Biochemistry laboratory technician (See 22100-Chemical technologists and technicians)
- Biochemistry technologist (See 22100-Chemical technologists and technicians)
- Biologists and related scientists (21110)
- Biomedical engineering technologist (See 22310-Electrical and electronics engineering technologists and technicians)
- Conservation and fishery officers (22113)
- Forestry technologists and technicians (22112)
- Medical laboratory assistants and related technical occupations (33101)
- Medical laboratory technologists (32120)

### *Main duties*

This group performs some or all of the following duties:

#### Biological technologists

- Set up and conduct biological, microbiological and biochemical tests and laboratory analyses in support of research and quality control in food production, sanitation, pharmaceutical production, biotechnology and other fields

- Apply methods and techniques such as microscopy, histochemistry, chromatography, electrophoresis and spectroscopy
- Perform experimental procedures in agriculture, plant breeding, animal husbandry, biology and biomedical research
- Conduct field research and surveys to collect data and samples of water, soil, and plant and animal populations
- Conduct environmental monitoring and compliance activities for the protection of fisheries stock, wildlife and other natural resources
- Analyze data and prepare reports
- Conduct or supervise operational programs such as fish hatchery, greenhouse and livestock production programs.

#### Biological technicians

- Assist in conducting biological, microbiological and biochemical tests and laboratory analyses
- Perform limited range of technical functions in support of agriculture, plant breeding, animal husbandry, biology, biomedical research and environmental protection
- Assist in conducting field research and surveys to collect data and samples of water, soil, and plant and animal populations
- Assist in analysis of data and preparation of reports.

#### *Employment requirements*

- Completion of a two- to three-year college program in a field related to agriculture, biology, microbiology, wildlife or resource management is usually required for employment as a biological technologist.
- Completion of a one- to two-year college program in a related field is required for employment as a biological technician.
- Certification with provincial associations is available, but voluntary.

#### *Additional information*

- There is limited mobility among occupations in this group.
- Some technologists and technicians working in support of government and academic research in biology are university graduates.

## **22111 Agricultural and fish products inspectors**

Agricultural and fish products inspectors inspect agricultural and fish products for conformity to prescribed production, storage and transportation standards. They are employed by government departments and agencies and by private sector food processing companies. Supervisors of agricultural and fish products inspectors are also included in this unit group.

#### *Illustrative example(s)*

- agricultural products inspection supervisor
- agricultural products inspector
- crop certification inspector
- dairy products inspector
- fish inspector
- fish products inspection supervisor
- fish products inspector

- fruit and vegetables inspector
- grain inspector
- livestock inspector
- meat inspector
- plant protection inspector
- poultry inspector

#### *Exclusion(s)*

- Biological technologists and technicians (22110)
- Fish grader (See 94143-Testers and graders, food and beverage processing)
- Forestry technologists and technicians (22112)
- Meat grader (See 94143-Testers and graders, food and beverage processing)
- Public and environmental health and safety professionals (21120)

#### *Main duties*

This group performs some or all of the following duties:

##### Fish and fish products inspectors

- Inspect fish, fish products, fish handling and processing methods and prepare reports and ensure that regulations are followed.

##### Fruit and vegetables inspectors

- Inspect fresh and frozen fruit and vegetables at inspection centres and prepare reports on crop production and market conditions.

##### Grain inspectors

- Inspect and grade all classes of grain at terminal elevators, monitor the fumigation of infested grain, and examine storage, handling and transportation equipment to ensure that sanitary procedures are followed.

##### Meat inspectors

- Monitor the operations and sanitary conditions of slaughtering and meat processing plants and inspect carcasses to ensure they are fit for human consumption.

##### Plant protection inspectors

- Certify seed crops, oversee the quarantine, treatment or destruction of plants and plant products, and the fumigation of plants and plant product imports and exports.

#### *Employment requirements*

- Completion of secondary school is required.
- Government inspectors usually require a bachelor's degree or college diploma in agriculture, biology, chemistry, food processing technology or a related discipline.
- Inspectors (other than government) may require a bachelor's degree or college diploma in a related discipline.
- Several years of experience in agricultural production or fish processing are usually required.
- Completion of in-house training courses is required.

*Additional information*

- Progression to managerial positions in this field is possible with experience.

**22112 Forestry technologists and technicians**

Forestry technologists and technicians may work independently or perform technical and supervisory functions in support of forestry research, forest management, forest harvesting, forest resource conservation and environmental protection. They are employed by the forest industry sector, provincial and federal governments, consulting firms, and other industries and institutions, or they may be self-employed.

*Illustrative example(s)*

- conservation technician - forestry
- cruising technician - forestry
- enforcement officer - forestry
- extension ranger - forestry
- fire suppression officer - forestry
- forest fire technician
- forest inventory resource officer
- forest survey technician
- forest technician
- forestry technician
- forestry technologist
- resource technician - forestry
- scaler technician - logging
- scaling coordinator - logging
- silviculture technician

*Inclusion(s)*

- range manager

*Exclusion(s)*

- Biological technologists and technicians (22110)
- Conservation and fishery officers (22113)
- Forest engineer (See 21111-Forestry professionals)
- Forester (See 21111-Forestry professionals)
- Supervisors, logging and forestry (82010)

*Main duties*

This group performs some or all of the following duties:

- Conduct, supervise and participate in forest inventory cruises, surveys and field measurements following accepted scientific and operational procedures
- Assist and perform technical functions in the preparation of forest management and harvest plans using photogrammetric and mapping techniques and computerized information systems
- Assist in planning and supervise construction of access routes and forest roads

- Implement, supervise and perform technical functions in silvicultural operations involving site preparation, planting, and tending of tree crops
- Coordinate activities such as timber scaling, forest fire suppression, disease or insect control or pre-commercial thinning of forest stands
- Supervise and perform technical functions in forest harvesting operations
- Monitor activities of logging companies and contractors and enforce regulations such as those concerning environmental protection, resource utilization, fire safety and accident prevention
- Provide forestry education, advice and recommendations to woodlot owners, community organizations and the general public
- Develop and maintain computer databases
- Supervise forest tree nursery operations
- Provide technical support to forestry research programs in areas such as tree improvement, seed orchard operations, insect and disease surveys or experimental forestry and forest engineering research.

#### *Employment requirements*

- Completion of a one- to three-year college program in forestry technology or in a renewable resource program or forest ranger program is usually required.
- Registration with a regulatory body is required for forestry technologists or technicians in all provinces except Prince Edward Island and Manitoba.
- Certification or licensing as a scaler is required for some positions.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title “Professional Technologist.”

#### *Additional information*

- Mobility may be possible to occupations in natural resource and wildlife management and in parks management.

### **22113 Conservation and fishery officers**

Conservation and fishery officers, inspectors and observers enforce federal and provincial regulations established for the protection of fish, wildlife and other natural resources and collect and relay information on resource management. They are employed by federal and provincial government departments.

#### *Illustrative example(s)*

- conservation officer
- fish and wildlife officer
- fishery officer
- forest ranger - wildlife management
- game officer
- game warden
- natural resources officer
- park ranger

### *Exclusion(s)*

- Biological technologists and technicians (22110)
- Fish inspector (See 22111-Agricultural and fish products inspectors)
- Forestry technologists and technicians (22112)

### *Main duties*

This group performs some or all of the following duties:

- Generate public awareness of fish and wildlife conservation and regulations
- Conduct patrols by truck, aircraft, boat, or on foot, to ensure compliance with the provincial and federal statutes relating to fish, wildlife and the environment
- Investigate complaints, arrest violators, prepare briefs and present evidence in court
- Issue licences, export documents and special permits and collect royalties assessed on fish, wildlife and timber resources
- Implement and supervise approved techniques in preventing or overcoming damage caused by wildlife
- Perform resource protection duties, such as inspecting fishing gear and equipment and monitoring fishing activities for compliance with regulations
- Gather resource data by making inventories of fish, collecting water samples and assisting biologists in scientific research
- Supervise or provide firearms safety training courses and trapper education courses.

### *Employment requirements*

- Completion of a college program in renewable resources management, environmental conservation or a related discipline is usually required.
- On-the-job training and courses related to law enforcement and resource management are provided.
- A class-5 driver's licence, pesticide applicator's licence and explosives licence may be required.

### *Additional information*

- Progression to senior and supervisory positions is possible with experience.

## **22114 Landscape and horticulture technicians and specialists**

Landscape and horticulture technicians and specialists survey and assess landscapes; draw sketches and build models of landscape designs; construct and maintain gardens, parks, golf courses and other landscaped environments; advise clients on issues related to horticulture such as irrigation; breed, cultivate and study plants; and treat injured and diseased trees and plants. They are employed by landscape designers and contractors, lawn service and tree care establishments, golf courses, nurseries and greenhouses, and municipal, provincial and national parks, or they may be self-employed.

### *Illustrative example(s)*

- arborist
- golf course superintendent
- greenskeeper
- horticultural technician
- horticulture specialist
- horticulturist

- hydroponics technician
- landscape architectural technician
- landscape designer
- landscape gardener
- landscape technician
- landscaper
- lawn care specialist
- tree service technician

#### *Exclusion(s)*

- Biological technologists and technicians (22110)
- Botanist (See 21110-Biologists and related scientists)
- Contractors and supervisors, landscaping, grounds maintenance and horticulture services (82031)
- Forestry technologists and technicians (22112)
- Landscape architects (21201)
- Managers in horticulture (80021)
- Nursery and greenhouse labourers (85103)

#### *Main duties*

This group performs some or all of the following duties:

##### Arborists and tree service technicians

- Examine trees and shrubs to diagnose problems and disease, and apply various treatments such as pruning, spraying, repairing damaged areas and injecting with treatment solutions.

##### Golf course superintendents

- Direct crews who maintain the health and appearance of golf courses and their surrounding landscapes, plant and move trees, and apply fertilizers, fungicides, herbicides and pesticides.

##### Horticulturists

- Plan and coordinate the growth and use of plants for landscaping, ornamental uses and other purposes.

##### Landscape designers and landscape architectural technicians and technologists

- Survey and assess sites, prepare drawings, sketches and reports and perform other duties to assist landscape architects in designing landscaped environments.

##### Landscape gardeners

- Plant and maintain private and public lawns and gardens.

##### Landscapers

- Plan and construct landscaped environments which may include trees, shrubberies, lawns, fences, decks, patios and other landscape structures.

##### Lawn care specialists

- Visit clients, assess the health of lawns, and apply fertilizer, pesticides and other lawn care products.

*Employment requirements*

- Completion of a two-to-three year college program in agronomy, arboriculture, horticulture, landscaping, landscape design or landscape technology is usually required.
- Experience as a landscape and grounds maintenance labourer may be required for golf course superintendents, landscape gardeners and landscapers.
- An apprenticeship program is available for horticulturists, arboriculturists and landscape gardeners.
- Trade certification for landscape horticulturists is available, but voluntary, in all provinces.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.
- In Quebec, membership in the regulatory body is required to use the title of Professional Technologist.
- Red Seal endorsement is also available to qualified landscape horticulturists upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.

**222 Technical occupations related to applied sciences (except engineering)**

This sub-major group comprises technical occupations related to applied sciences other than engineering, including technical occupations in architecture, drafting, surveying, geomatics and meteorology; technical occupations in computer and information systems; and technical inspectors and regulatory officers.

**2221 Technical occupations in architecture, drafting, surveying, geomatics and meteorology**

This minor group comprises technical occupations in architecture, drafting, surveying, geomatics and meteorology, including architectural technologists and technicians; industrial designers; drafting technologists and technicians; and survey technologists and technicians; and technical occupations in geomatics and meteorology. They are employed by governments; architectural, design, engineering, construction, consulting, media, computer software, forestry, natural resources, utilities and transportation companies; surveying establishments; and in manufacturing industries; or they may be self-employed.

**22210 Architectural technologists and technicians**

Architectural technologists and technicians may work independently or provide technical assistance to professional architects and civil design engineers in conducting research, preparing drawings, architectural models, specifications and contracts and in supervising construction projects. They are employed by architectural and construction firms, and governments.

*Illustrative example(s)*

- architectural design technician
- architectural design technologist
- architectural technician
- architectural technologist

*Exclusion(s)*

- Architects (21200)
- Civil engineering technologists and technicians (22300)
- Construction estimators (22303)
- Construction inspectors (22233)



- Construction managers (70010)
- Drafting technologists and technicians (22212)
- Land survey technologists and technicians (22213)

### *Main duties*

This group performs some or all of the following duties:

- Assist in the development of architectural designs
- Analyze building codes, by-laws, space requirements, site requirements and other technical documents and reports
- Prepare manual and CAD (computer-assisted design) drawings, specifications, cost estimates and listings of quantities of material from conceptual drawings and instructions
- Construct architectural and display models, and 3-D virtual models of architectural designs
- Prepare contract and bidding documents
- May supervise drafters, technicians and technologists on the architectural team
- May supervise construction projects and coordinate, monitor and inspect work done by others.

### *Employment requirements*

- Completion of a two- to three-year college program in architectural technology or a related subject is usually required.
- Certification in architectural technology or in a related field through provincial associations of architectural or engineering/applied science technologists and technicians may be required by employers.
- A period of supervised work experience, usually two years, is required before certification.
- Membership in the provincial regulatory body is mandatory in British Columbia.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title “Professional Technologist.”

### *Additional information*

- There is mobility to other related occupations such as drafters, civil engineering technologists and technicians, construction estimators and construction inspectors.
- Progression to supervisory positions is possible with experience.

## **22211 Industrial designers**

Industrial designers conceptualize and produce designs for manufactured products. They are employed by manufacturing industries and private design firms or they may be self-employed.

### *Illustrative example(s)*

- furniture designer
- industrial design consultant
- industrial designer
- industrial products designer
- product designer

### *Exclusion(s)*

- Architectural technologists and technicians (22210)
- Civil engineering design technologist (See 22300-Civil engineering technologists and technicians)
- Electrical and electronics design technologist (See 22310-Electrical and electronics engineering technologists and technicians)
- Engineering design and drafting technologist (See 22212-Drafting technologists and technicians)
- Graphic designers and illustrators (52120)
- Interior designers and interior decorators (52121)
- Mechanical engineering equipment designer (See 22301-Mechanical engineering technologists and technicians)
- Theatre, fashion, exhibit and other creative designers (53123)

### *Main duties*

This group performs some or all of the following duties:

- Consult with client, engineers or production specialists to establish product requirements
- Analyze the intended use of product and user preferences
- Conduct research into cost, properties of production materials and methods of production
- Develop manual and computer-assisted design (CAD) concepts, sketches or models for approval
- Prepare manufacturing drawings, specifications and guidelines for production and construct prototype of design
- Consult with engineers and production staff during manufacturing stage.

### *Employment requirements*

- A university degree in industrial design, architecture, engineering or  
A college diploma in industrial design is required.
- Creative ability, as demonstrated by a portfolio of work, is required.

### *Additional information*

- There is mobility between positions in this unit group.
- Mobility is possible to other design occupations.

## **22212 Drafting technologists and technicians**

Drafting technologists and technicians prepare engineering designs, drawings and related technical information, such as building information models (BIM), in multidisciplinary engineering teams or in support of engineers, architects or industrial designers, or they may work independently. They are employed by consulting and construction companies, utility, resource and manufacturing companies, all levels of government and by a wide range of other establishments.

### *Illustrative example(s)*

- architectural draftsman
- building information modelling (BIM) technologist
- computer-aided design and drafting (CADD) technologist
- computer-assisted drafting (CAD) technician

- design and drafting technologist
- drafting office supervisor
- drafting technician
- drafting technologist
- drafter
- electrical drafter
- electromechanical drafter
- electronic drafter
- engineering design and drafting technologist
- mechanical drafter
- steel detailer - drafting
- structural drafter
- structural steel drafter-detailer

#### *Exclusion(s)*

- Architectural design technologist (See 22210-Architectural technologists and technicians)
- Civil engineering design technologist (See 22300-Civil engineering technologists and technicians)
- Electrical engineering design technologist (See 22310-Electrical and electronics engineering technologists and technicians)
- Electronics engineering design technologist (See 22310-Electrical and electronics engineering technologists and technicians)
- Industrial designers (22211)
- Mechanical engineering design technologist (See 22301-Mechanical engineering technologists and technicians)

#### *Main duties*

This group performs some or all of the following duties:

##### Drafting technologists

- Develop and prepare engineering designs and drawings from preliminary concepts, sketches, engineering calculations, specification sheets and other data
- Create building information models (BIM), using computer software, to provide digital representations of physical and functional aspects of buildings and other engineering projects
- Operate computer-assisted design (CAD) and drafting workstations
- Develop and prepare design sketches
- Complete documentation packages and produce drawing sets
- Check and verify design drawings to conform to specifications and design data
- Write technical reports
- Prepare contracts and tender documents
- Prepare construction specifications, costs and material estimates
- Supervise and train other technologists, technicians and drafters.

### Drafting technicians

- Develop and prepare engineering drawings, plans, diagrams or layouts from sketches
- Operate computer-assisted drafting equipment or a conventional drafting station.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- to three-year college program in engineering design and drafting technology or in a related field is usually required for drafting and design technologists.
- Completion of a one- to two-year college program in drafting  
or  
Completion of a three- to four-year apprenticeship program  
or  
Four to five years of related experience plus completion of college or industry courses in drafting are usually required for drafting technicians.
- Trade certification for draftspersons is available, but voluntary in Ontario.
- Certification in engineering design and drafting technology or in a related field through provincial associations of engineering/applied science technologists and technicians may be required by employers.
- A period of supervised work experience, usually two years, is required before certification.

### *Additional information*

- Mobility is possible to civil, mechanical, electrical or other engineering design technologies through educational or work specialization.
- Senior and supervisory drafting and design technology workers require experience.

## **22213 Land survey technologists and technicians**

Land survey technologists and technicians conduct or participate in surveys to determine the exact locations and relative positions of natural features and other structures on the earth's surface, underground and underwater. They are employed by all levels of government, architectural and engineering firms, and by private sector surveying establishments.

### *Illustrative example(s)*

- engineering survey technologist
- geodetic survey technologist
- geomatics technologist - land surveying
- land survey technician
- legal survey technician
- topographic survey technician
- transit operator - surveying

### *Exclusion(s)*

- Drafting technologists and technicians (22212)
- Geological technologist (See 22101-Geological and mineral technologists and technicians)
- Geophysical technologist (See 22101-Geological and mineral technologists and technicians)
- Hydrographic survey technologist (See 22101-Geological and mineral technologists and technicians)
- Land surveyors (21203)

- Land use technician (See 22300-Civil engineering technologists and technicians)
- Mine survey technologist (See 22101-Geological and mineral technologists and technicians)
- Technical occupations in geomatics and meteorology (22214)
- Urban planning technician (See 22300-Civil engineering technologists and technicians)

### *Main duties*

This group performs some or all of the following duties:

#### Land survey technologists

- Assist survey engineers or professional surveyors to develop methods and procedures for conducting field surveys
- Conduct field surveys and operate survey instruments and computer equipment to measure distance, angles, elevations and contours
- Record measurements and other information obtained during field survey activities
- Determine precise geographic locations using global positioning systems (GPS) equipment
- Analyze latitude, longitude and angles and compute trigonometric and other calculations to plot features, contours and areas to a specific scale
- Prepare detailed drawings, charts and plans and survey notes and reports
- Supervise and coordinate field survey activities.

#### Land survey technicians

- Participate in field surveys and operate survey instruments and devices
- Keep records, measurements and other survey information in systematic order
- Assist in the calculation, analysis and computation of measurements obtained during field surveys
- Assist in the preparation of detailed drawings, charts and plans.

Land survey technologists and technicians may specialize in one of the following types of surveys: geodetic survey, topographic survey, legal (cadastral) survey or engineering survey.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- to three-year college program in geomatics or land survey technology is usually required for land survey technologists.
- Completion of a one- to two-year college program in geomatics or land survey technology is usually required for land survey technicians.
- Certification by provincial associations of technicians and technologists may be required by some employers.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title “Professional Technologist.”

### *Additional information*

- Mobility is possible between the various occupations in this unit group.
- Progression to supervisory positions is possible with experience.
- Progression to land surveyor position is possible with completion of professional surveyor examinations and certification.
- Geomatics is an interdisciplinary field encompassing the collection, analysis and presentation of geographically referenced data.

## 22214 Technical occupations in geomatics and meteorology

Technical occupations in geomatics include aerial survey, remote sensing, geographic information systems, cartographic and photogrammetric technologists and technicians, who gather, analyze, interpret and use geospatial information for applications in natural resources, geology, environmental research and land use planning. Meteorological technologists and technicians observe weather and atmospheric conditions, record, interpret, transmit and report on meteorological data, and provide weather information to the agricultural, natural resources and transportation industries and the public. Geomatics technologists and technicians are employed by all levels of government, utilities, mapping, computer software, forestry, architectural, engineering and consulting firms and other related establishments. Meteorological technologists and technicians are employed by all levels of government, the media, natural resources, utilities and transportation companies and consulting firms.

### *Illustrative example(s)*

- aerial survey technician
- aerological technician
- avalanche controller
- avalanche technician
- cartographer
- climate data processor
- climate service technician
- geographic information systems (GIS) technician
- ice observer
- map editor
- mapping technician
- meteorological inspector
- meteorological technician
- photogrammetric technologist
- photogrammetrist
- remote sensing (RS) technician
- softcopy photogrammetrist
- surface weather observer
- weather station operations technician

### *Exclusion(s)*

- Airborne geophysical equipment operator (See 22101-Geological and mineral technologists and technicians)
- Drafting technologists and technicians (22212)
- Geomatics engineer (See 21300-Civil engineers)
- Land survey technologists and technicians (22213)
- Land surveyors (21203)
- Land use technician (See 22300-Civil engineering technologists and technicians)
- Meteorologists and climatologists (21103)
- Surveying engineer (See 21300-Civil engineers)
- Urban planning technician (See 22300-Civil engineering technologists and technicians)

*Main duties*

This group performs some or all of the following duties:

**Aerial survey and remote sensing technologists and technicians**

- Operate analog or digital airborne remote sensing equipment such as survey film or digital cameras, laser or radar sensors and scanners to prepare images, data and graphic reports, maps and charts from airborne or satellite data
- Develop specialized analog and computer software specific routines to customize and integrate image analysis
- Inspect quality of recorded images, verify the integrity and accuracy of data contained in remote sensing image analysis systems, and adjust equipment as required.

**Geographic information systems (GIS) technologists and technicians**

- Operate specialized computer hardware and software and peripheral equipment to model, manage, analyze and display geospatial data
- Develop specialized computer software routines, Internet-based GIS, database and business applications to customize geographic information
- Work with external organizations on data transfer and systems compatibility issues
- Perform data entry and editing activities and maintenance operations to systems following predetermined calibration procedures
- Integrate external software such as spreadsheets and statistical packages with GIS software
- Train and provide technical support for GIS users.

**Cartographic technologists and technicians**

- Plan map content, format and design and compile required data from aerial photographs, survey notes, records, reports and other maps
- Generate maps and related graphs and charts using digital mapping techniques, computer interactive graphics, computer-assisted design and drafting (CAD) software, traditional drafting methods and computer or traditional scribing tools
- Inspect final compositions to ensure completeness and accuracy.

**Photogrammetric technologists and technicians**

- Examine and interpret aerial photographs to prepare topographic maps, aerial-photograph mosaics and related charts
- Operate digitized stereoscopic plotting and computer graphics equipment to provide three-dimensional optical models of terrain, to trace maps, and to prepare charts and tables
- Monitor recording quality and adjust equipment as required and inspect quality of recorded images.

**Meteorological technologists and technicians**

- Observe, record and transmit atmospheric and weather information including air pressure, temperature, humidity, precipitation and cloud, wind and ultraviolet conditions
- Observe, chart and report on ice conditions in navigable waters and snow conditions, and participate in programs to forecast and control avalanches in mountainous terrain
- Maintain climatological databases, analyze and interpret weather data and participate in the production of weather maps, charts and reports
- Install, inspect, monitor, calibrate and maintain meteorological equipment and instruments.

### *Employment requirements*

- Completion of secondary school is required.
- Geomatics technologists and technicians require completion of a college program in geomatics, cartography, photogrammetry, aerial survey, remote sensing, geographic information system (GIS) or geomatics.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."
- Meteorological technicians require completion of a one-year meteorological technician program provided by the Meteorological Service of Canada.
- Further specialized training is available for meteorological technicians, and may be required by some employers.

### *Additional information*

- Geomatics is an interdisciplinary field encompassing the collection, analysis and presentation of geographically referenced data.
- Mobility is possible between some occupations in this unit group.

## **2222 Technical occupations in computer and information systems**

This minor group comprises technical occupations in computer and information systems, including computer network and web technicians; user support technicians; and information systems testing technicians. They are employed by computer hardware manufacturers; retailers; software developers; independent technical support companies; and in call centres and information technology units throughout the public and private sectors; or they may be self-employed.

### **22220 Computer network and web technicians**

Computer network technicians establish, operate, maintain and coordinate the use of local and wide area networks (LANs and WANs), mainframe networks, hardware, software and related computer equipment. Web technicians set up and maintain internet, extranet and intranet web sites and web server hardware and software, and monitor and optimize network connectivity and performance. They are employed in information technology units throughout the public and private sectors. Computer network technicians who are supervisors are included in this group.

#### *Illustrative example(s)*

- computer network technician
- data centre operator
- Internet Web site technician
- local area network (LAN) administrator
- local area network (LAN) technician
- network administrator
- network support technician
- network system administrator
- Web technician

#### *Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Computer engineers (except software engineers and designers) (21311)



- Computer systems developers and programmers (21230)
- Information systems testing technicians (22222)
- User support technicians (22221)
- Web designers (21233)

### *Main duties*

This group performs some or all of the following duties:

#### Computer and network operators

- Maintain, troubleshoot, repair and administer local area networks (LANs), wide area networks (WANs), mainframe networks, computer workstations, connections to the Internet and peripheral equipment
- Evaluate and install computer hardware, networking software, operating system software and software applications
- Operate master consoles to monitor the performance of computer systems and networks and to coordinate access and use of computer networks
- Provide problem-solving services to network users
- Perform routine network start up and close down and maintain control records
- Perform data backups and disaster recovery operations
- Conduct tests and perform security and quality controls
- Perform shell scripting or other basic scripting tasks
- May supervise other workers in this group.

#### Web technicians

- Install, maintain, troubleshoot and upgrade Web-server hardware and software
- Implement network traffic and security monitoring software, and optimize server performance
- Control and monitor e-mail use, Web navigation, and installed software
- Respond to requests for help and information from Web site visitors and Web site designers.

### *Employment requirements*

- Completion of a college or other program in computer science, network administration, Web technology or a related field is usually required.
- Certification or training provided by software vendors may be required by some employers.
- Registration with a regulatory body is required in Saskatchewan.

### *Additional information*

- Progression to computer programming, interactive media development, Web development or systems analysis is possible with experience.

## **22221 User support technicians**

User support technicians provide first-line technical support to computer users experiencing difficulties with computer hardware and with computer applications and communications software. They are employed by computer hardware manufacturers and retailers, software developers, in call centres and in information technology units throughout the public and private sectors. They are also employed by independent technical support companies or they may be self-employed.

### *Illustrative example(s)*

- call centre agent - technical support
- client support representative - systems
- computer help desk representative - systems
- computer help desk supervisor
- hardware installation technician
- hardware technical support analyst
- help desk technician
- software installation technician
- software technical support analyst
- systems support representative
- technical support analyst
- technical support supervisor
- user support technician

### *Exclusion(s)*

- Computer network and web technicians (22220)
- Computer systems developers and programmers (21230)
- Cybersecurity specialists (21220)
- Information systems testing technicians (22222)

### *Main duties*

This group performs some or all of the following duties:

- Communicate electronically and in person with computer users experiencing difficulties to determine and document problems experienced
- Consult user guides, technical manuals and other documents to research and implement solutions
- Reproduce, diagnose and resolve technical problems encountered by users
- Provide advice and training to users in response to identified difficulties
- Provide business systems, network and Internet support to users in response to identified difficulties
- Collect, organize and maintain a problems and solutions log for use by other technical support analysts
- Participate in the redesign of applications and other software
- May supervise other technical support workers in this group.

### *Employment requirements*

- Completion of a college program in computer science, computer programming or network administration is usually required.
- College or other courses in computer programming or network administration are usually required.
- Certification or training provided by software vendors may be required by some employers.

### *Additional information*

- Progression to computer programming, interactive media development, Web development or systems analysis is possible with experience.

## 22222 Information systems testing technicians

Information systems testing technicians execute test plans to evaluate the performance of software applications and information and telecommunications systems. They are employed in information technology units throughout the private and public sectors.

### *Illustrative example(s)*

- application tester
- application testing technician
- software test coordinator
- software tester
- software testing technician
- systems tester
- systems testing technician
- user acceptance tester

### *Exclusion(s)*

- Business systems specialists (21221)
- Computer engineers (except software engineers and designers) (21311)
- Computer network and web technicians (22220)
- Computer systems developers and programmers (21230)
- Cybersecurity specialists (21220)
- Information systems specialists (21222)
- Software developers and programmers (21232)
- Software engineers and designers (21231)
- User support technicians (22221)
- Web designers (21233)
- Web developers and programmers (21234)

### *Main duties*

This group performs some or all of the following duties:

- Develop and document software testing plans
- Install software and hardware and configure operating system software in preparation for testing
- Execute, analyze and document results of software application, video game and information and telecommunication systems tests
- Develop and implement software and information system testing policies, procedures and scripts
- Identify, report, track and propose solutions to product defects.

### *Employment requirements*

- Completion of a college program in computer science, computer programming or network administration is usually required.
- College or other courses in computer programming or network administration are usually required.
- Certification or training provided by software vendors may be required by some employers.

### *Additional information*

- Progression to computer programming, interactive media development, Web development or systems analysis is possible with experience.

## **2223 Technical inspectors and regulatory officers**

This minor group comprises technical inspectors and regulatory officers, including non-destructive testers and inspectors; engineering inspectors and regulatory officers; occupational health and safety specialists; and construction inspectors. They are employed by quality control, maintenance and safety departments of manufacturing, processing, transportation, energy, and other companies; civil engineering consulting, architectural and construction companies; throughout the public and private sectors; and by private industrial inspection establishments; or they may be self-employed.

### **22230 Non-destructive testers and inspectors**

Non-destructive testers and inspectors operate radiographic, ultrasonic, liquid penetrant, magnetic particle, eddy current and similar testing equipment to detect discontinuities in objects of various compositions and materials. They are employed by quality control, maintenance and safety departments of manufacturing, processing, transportation, energy and other companies and by private industrial inspection establishments.

#### *Illustrative example(s)*

- acoustic emission technician
- aircraft non-destructive inspection technician
- eddy current technician
- industrial radiographer
- infrared thermographer
- liquid penetrant testing technician
- non-destructive inspector
- non-destructive testing maintenance (NDT) technician
- pressure vessel tester
- radiographic technician - non-destructive testing
- ultrasonic testing technician
- visual inspection technician - welding
- weld tester

#### *Exclusion(s)*

- Engineering inspectors and regulatory officers (22231)
- Medical technologists and technicians (3212)

#### *Main duties*

This group performs some or all of the following duties:

- Transport, set up and calibrate non-destructive testing equipment
- Conduct tests to ensure quality or detect discontinuities (defects) using ultrasonic, radiographic, liquid penetrant, magnetic particle, eddy current and other non-destructive testing methods
- Establish techniques for proper examination of objects under inspection, ensuring strict adherence to safety regulations

- Interpret radiographs, cathode ray tube (CRT) or digital readouts, conductivity meters and visual indicators
- Apply testing criteria in accordance with applicable specifications or standards and evaluate results
- Organize and report test results
- May perform specialized inspections using acoustic emission, vibration analysis, infrared thermography and laser shearography testing methods
- May instruct and supervise trainees.

#### *Employment requirements*

- Completion of secondary school is required.
- Completion of two years of an approved post-secondary science or engineering program may be required.
- Additional classroom and on-the-job training is required for certification in non-destructive testing.
- Non-destructive testing certification by Natural Resources Canada is available in three levels and is usually required by employers.
- Industrial radiographers using a radioactive isotope must pass an examination to be recognized as a certified exposure device operator by the Canadian Nuclear Safety Commission.
- Welding inspector certification by the Canadian Welding Bureau is available in three levels and may be required by employers.
- Boiler and pressure vessel, process pipeline and above-ground storage tank inspector certification is available from the American Petroleum Institute.

### **22231 Engineering inspectors and regulatory officers**

Engineering inspectors and regulatory officers inspect transportation vehicles such as aircraft, watercraft, automobiles and trucks and weighing and measuring devices such as scales and meters as well as industrial instruments, processes and equipment for conformity to government and industry standards and regulations. They are employed by government agencies and in the private sector.

#### *Illustrative example(s)*

- air carrier maintenance inspector
- air transport inspector
- airworthiness inspector
- electricity and gas meter inspector
- elevator inspector
- engineering inspector
- engineering regulatory officer
- insurance loss prevention inspector
- marine damage surveyor
- motor vehicle defects investigator
- railway accident investigation officer
- weights and measures inspector

#### *Exclusion(s)*

- Construction inspectors (22233)
- Non-destructive testers and inspectors (22230)
- Occupational health and safety specialists (22232)

- Regulatory affairs officer (See 11201-Professional occupations in business management consulting)
- Regulatory compliance officer (See 11201-Professional occupations in business management consulting)

### *Main duties*

This group performs some or all of the following duties:

#### Motor vehicles defects investigators

- Conduct motor vehicle and motor vehicle component defect investigations, examinations, tests and defect-related accident investigations
- Provide expert advice and testimony on specific motor vehicle performance problems or defects
- Recommend improvements in vehicle inspection and licensing procedures and vehicle safety standards.

#### Railway accident investigation officers

- Collect and analyze data from train derailments, collisions, and other accidents to determine the causes
- Inspect and evaluate railway property, structures, rolling stock, signals, track structure and train handling characteristics to ensure compliance to operating standards.

#### Airworthiness inspectors

- Conduct initial and regular inspections of establishments and individuals holding or applying for air carrier operating certificates and establishments engaged in aircraft maintenance, repair or modification
- Inspect aircraft, advise of any deficiencies and detain aircraft suspected of being unairworthy or unsafe.

#### Inspectors, weights and measures

- Conduct inspections and tests of a variety of mechanical and electronic weighing and measuring devices and systems
- Prepare draft investigative reports of findings
- Recommend corrective or enforcement action.

#### Oil and gas drilling rig inspectors

- Conduct onshore and offshore inspections of drilling and well servicing equipment and processes to ensure compliance with regulations and policies and to recommend improvements and corrective action.

### *Employment requirements*

- University degree or college diploma in an appropriate engineering field  
or  
Trade qualifications and extensive related work experience are required.
- Appropriate professional engineering or engineering technology certification and licences may be required.

## **22232 Occupational health and safety specialists**

Occupational health and safety specialists review, evaluate and monitor health and safety hazards and develop strategies to prevent, control and eliminate accidents and occupational injuries. They inspect the workplace environments, equipment and practices to ensure compliance with organization and government environment, health and safety standards and regulations. They are employed throughout the public and private sectors.

### *Illustrative example(s)*

- health and safety officer
- occupational health and safety officer

- occupational health supervisor
- occupational safety consultant
- occupational safety coordinator

#### *Inclusion(s)*

- safety supervisor - occupational health and safety

#### *Exclusion(s)*

- By-law enforcement and other regulatory officers (43202)
- Construction inspectors (22233)
- Engineering inspectors and regulatory officers (22231)
- Ergonomist (See 41400-Natural and applied science policy researchers, consultants and program officers)
- Occupational hygienist (See 41400-Natural and applied science policy researchers, consultants and program officers)
- Public and environmental health and safety professionals (21120)

#### *Main duties*

This group performs some or all of the following duties:

- Lead and participate in workplace audits and investigations of safety concerns, incidents and accidents
- Lead and participate in workplace inspections to ensure that equipment, materials and production processes do not present a safety or health hazard to employees
- Develop and implement health and safety programs, including standard operating procedures, policies and training to mitigate risk, optimize worker's health and safety and foster a positive occupational health and safety culture
- Initiate enforcement procedures on workplaces contravening organization and government health and safety standards and regulations
- Provide training to employers, employees and the general public on issues of workplace safety
- Communicate, engage and influence decision-makers and workers to ensure compliance with health and safety legislation and regulations.

#### *Employment requirements*

- A bachelor's degree or college diploma in occupational health and safety is usually required.
- Occupational health and safety officers may require certification with the Board of Canadian Registered Safety Professionals (BCRSP).

### **22233 Construction inspectors**

Construction inspectors inspect the construction and maintenance of new and existing buildings, bridges, highways and industrial construction to ensure that specifications and building codes are observed and monitor work site safety. They are employed by federal, provincial and municipal governments, construction companies, architectural and civil engineering consulting firms or they may be self-employed.

#### *Illustrative example(s)*

- bridge inspector
- building construction inspector
- construction inspector

- highway construction inspector
- home inspector
- housing construction inspector
- mine construction inspector
- plumbing inspector
- pre-stressed concrete inspector
- safety officer - construction

#### *Exclusion(s)*

- By-law enforcement and other regulatory officers (43202)
- Construction estimators (22303)
- Construction managers (70010)
- Engineering inspectors and regulatory officers (22231)
- Occupational health and safety specialists (22232)

#### *Main duties*

This group performs some or all of the following duties:

- Examine plans, drawings, and site layouts for new buildings, building renovations and other proposed structures
- Inspect construction of buildings, bridges, dams, highways and other types of building and engineering construction for conformance to drawings, specifications, building codes or other applicable ordinances
- Inspect and test electrical or plumbing installations in buildings to ensure compliance with municipal, provincial and federal regulations
- Inspect steel framework, concrete forms, reinforcing steel mesh and rods, concrete or pre-stressed concrete to ensure quality standards and to verify conformance to specifications and building codes
- Inspect construction of sewer systems and pipelines
- Inspect construction sites to ensure that safe working conditions are maintained
- Inspect existing buildings to identify and report on structural defects, fire hazards and other threats to safety
- Inspect new or resale homes on behalf of clients and assess and provide reports on the physical condition of property
- Assess the energy performance and potential energy savings of buildings
- Plan, design, develop, implement, and evaluate workplace activities to ensure that workers comply with company policies and government safety regulations.

#### *Employment requirements*

- Completion of secondary school is required.
- A college diploma in construction, civil engineering or architectural technology plus several years of related work experience or several years of experience as a qualified tradesperson in a construction trade, such as plumbing, carpentry or electrical trade are usually required.
- Provincial certification in a skilled trade or as an engineering technologist is usually required.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.



- Certification as a Construction Safety Officer (CSO) by provincially chartered associations may be required in provinces having such associations.
- Home inspectors require a licence to practice in Ontario, Alberta and British Columbia.
- Energy advisors must affiliate with a licenced service organization, complete required training and pass the EnerGuide foundation level exam and Energy advisor exam to become registered with Natural Resources Canada as an energy advisor.

#### *Additional information*

- Progression to construction management positions is possible with experience.

## **223 Technical occupations related to engineering**

This sub-major group comprises technical occupations related to engineering, including technical occupations in civil, mechanical and industrial engineering, as well as technical occupations in electronics and electrical engineering.

### **2230 Technical occupations in civil, mechanical and industrial engineering**

This minor group comprises technical occupations in civil, mechanical and industrial engineering; including civil engineering technologists and technicians; mechanical engineering technologists and technicians; industrial engineering and manufacturing technologists and technicians; and construction estimators. They are employed by public works, transportation and other government departments; consulting engineering, insurance, manufacturing, processing and residential, commercial and industrial construction companies; major electrical, mechanical and trade contractors; and in many other industries; or they may be self-employed.

#### **22300 Civil engineering technologists and technicians**

Civil engineering technologists and technicians provide technical support and services to scientists, engineers and other professionals, or may work independently in fields such as structural engineering, municipal engineering, construction design and supervision, highways and transportation engineering, water resources engineering, geotechnical engineering and environmental protection. They are employed by consulting engineering and construction companies, public works, transportation and other government departments and in many other industries.

#### *Illustrative example(s)*

- bridge design technician
- building materials technician
- civil engineering technician
- civil engineering technologist
- construction specifications writer
- construction technologist
- foundation technologist
- highway technician
- municipal engineering assistant
- soil technologist - civil engineering
- structural design technologist
- structural investigator

### *Exclusion(s)*

- Architectural technologists and technicians (22210)
- Construction estimators (22303)
- Construction inspectors (22233)
- Construction managers (70010)
- Drafting technologists and technicians (22212)
- Land survey technologists and technicians (22213)
- Urban and land use planners (21202)

### *Main duties*

This group performs some or all of the following duties:

#### Civil engineering technologists

- Develop conventional and computer-assisted design (CAD) engineering designs and drawings from preliminary concepts and sketches
- Prepare construction specifications, cost and material estimates, project schedules and reports
- Supervise or conduct field surveys, inspections or technical investigations of topography, soils, drainage and water supply systems, road and highway systems, buildings and structures to provide data for engineering projects
- Conduct or supervise inspection and testing of construction materials
- May supervise, monitor and inspect construction projects.

#### Civil engineering technicians

- Assist in developing engineering specifications and drawings
- Participate in field surveys, inspections or technical investigations of topography, soils, drainage and water supply systems, road and highway systems, buildings and structures to provide data for engineering projects
- Perform other technical functions in support of civil engineering activities.

### *Employment requirements*

- Completion of a two- or three-year college program in civil engineering technology or a closely related discipline is usually required for civil engineering technologists.
- Completion of a one- or two-year college program in civil engineering technology is usually required for civil engineering technicians.
- Certification in civil engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."

### *Additional information*

- There is mobility to related occupations, such as drafting technologists and technicians and construction inspectors and estimators.
- Progression to construction supervisors or construction managers is possible with experience.

## 22301 Mechanical engineering technologists and technicians

Mechanical engineering technologists and technicians provide technical support and services or may work independently in mechanical engineering fields such as the design, development, maintenance and testing of machines, components, tools, heating and ventilating systems, geothermal power plants, power generation and power conversion plants, manufacturing plants and equipment. They are employed by consulting engineering, manufacturing and processing companies, institutions and government departments.

### *Illustrative example(s)*

- aeronautical technologist
- heating designer
- heating, ventilation and air conditioning (HVAC) technologist
- machine designer
- marine engineering technologist
- mechanical engineering technician
- mechanical engineering technologist
- mechanical technologist
- mould designer
- thermal station technician
- tool and die designer
- tool designer

### *Exclusion(s)*

- Drafting technologists and technicians (22212)
- Industrial designers (22211)
- Managers in manufacturing and utilities (9001)
- Technical sales specialists - wholesale trade (62100)

### *Main duties*

This group performs some or all of the following duties:

#### Mechanical engineering technologists

- Prepare and interpret conventional and computer-assisted design (CAD) engineering designs, drawings, and specifications for machines and components, power transmission systems, process piping, heating, ventilating and air conditioning systems
- Prepare cost and material estimates, project schedules and reports
- Conduct tests and analyses of machines, components and materials to determine their performance, strength, response to stress and other characteristics
- Design moulds, tools, dies, jigs and fixtures for use in manufacturing processes
- Inspect mechanical installations and construction
- Prepare contract and tender documents
- Supervise, monitor and inspect mechanical installations and construction projects
- Prepare standards and schedules and supervise mechanical maintenance programs or operations of mechanical plants.

### Mechanical engineering technicians

- Assist in preparing conventional and computer-assisted design (CAD) engineering designs, drawings and specifications
- Carry out a limited range of mechanical tests and analyses of machines, components and materials
- Assist in the design of moulds, tools, dies, jigs and fixtures for use in manufacturing processes
- Assist in inspection of mechanical installations and construction projects
- Participate in the installation, repair and maintenance of machinery and equipment.

### *Employment requirements*

- Completion of a two- or three-year college program in mechanical engineering technology is usually required for mechanical engineering technologists.
- Completion of a one- or two-year college program in mechanical engineering technology is usually required for mechanical engineering technicians.
- Certification in mechanical engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- In Quebec, membership in the regulatory body is required to use the title “Professional Technologist.”

### *Additional information*

- There is mobility to other related occupations such as technical sales or drafting technologists and technicians.
- Progression to supervisory occupations such as mechanical construction supervisor, manufacturing supervisor or operations maintenance manager is possible with experience.

## **22302 Industrial engineering and manufacturing technologists and technicians**

Industrial engineering and manufacturing technologists and technicians may work independently or provide technical support and services in the development of production methods, facilities and systems, and the planning, estimating, measuring and scheduling of work. They are employed by manufacturing and insurance companies, government departments, and establishments in other industries.

### *Illustrative example(s)*

- computer-assisted design/computer-assisted manufacturing (CAD/CAM) programmer
- industrial engineering technician
- industrial engineering technologist
- loss prevention technologist - manufacturing
- manufacturing technician
- manufacturing technologist
- planning technician
- plastics manufacturing technician
- pulp and paper manufacturing technologist
- quality assurance technologist
- scheduling technician - manufacturing

- textile technologist
- time study analyst

#### *Exclusion(s)*

- Chemical processing quality control technician (See 22100-Chemical technologists and technicians)
- Chemical processing quality control technologist (See 22100-Chemical technologists and technicians)
- Food processing quality control technician (See 22100-Chemical technologists and technicians)
- Food processing quality control technologist (See 22100-Chemical technologists and technicians)
- Machining, metal forming, shaping and erecting trades (7210)
- Technical sales specialists - wholesale trade (62100)
- Textile colour technologist (See 22100-Chemical technologists and technicians)
- Textile dyeing technician (See 22100-Chemical technologists and technicians)

#### *Main duties*

This group performs some or all of the following duties:

##### Industrial engineering and manufacturing technologists

- Develop and conduct production, inventory and quality assurance programs in manufacturing or in other industries
- Design plant layouts and production facilities
- Develop and carry out work study and related programs
- Develop and carry out industrial health, safety and fire prevention plans and programs and conduct safety training programs
- Develop applications using CAD/CAM (computer-assisted drafting, computer-assisted manufacturing) for the control of robots, computer numerical control (CNC) machines and other manufacturing processes and operations.

##### Industrial engineering and manufacturing technicians

- Assist in the design of plant layouts
- Conduct work measurement or other studies
- Collect and compile operational or experimental data and assist in the development of estimates, schedules, specifications and reports
- Collect and analyze data and samples in support of quality assurance and industrial health and safety programs
- Develop manufacturing and processing procedures and variables, set machine or equipment controls, oversee production and inspect processes.

Technologists and technicians in this unit group may specialize in the development of production processes, quality assurance programs, plans and schedules in a particular industrial area such as metal fabrication, plastics, pulp and paper, or textile manufacturing.

#### *Employment requirements*

- Completion of a two- or three-year college program or equivalent in industrial engineering technology, pulp and paper technology, plastics technology, textile technology, manufacturing technology or a related discipline is usually required for industrial engineering or manufacturing technologists.
- Completion of a one- or two-year college program in industrial engineering technology or in a related discipline is usually required for industrial engineering or manufacturing technicians.

- Certification in industrial engineering or manufacturing technology or in a related field is available through provincial or territorial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- A college diploma in manufacturing technology and/or trade certification and experience in machining and tooling or metalworking is required for CAD-CAM/CNC programmers.
- In Quebec, membership in the regulatory body is required to use the title “Professional Technologist.”

#### *Additional information*

- There is mobility to related fields such as technical sales.
- Progression to managerial positions is possible with experience.

### **22303 Construction estimators**

Construction estimators analyze costs of and prepare estimates on civil engineering, architectural, structural, electrical and mechanical construction projects. They are employed by residential, commercial and industrial construction companies and major electrical, mechanical and trade contractors, or they may be self-employed.

#### *Illustrative example(s)*

- chief estimator - construction
- construction estimator
- cost estimator - construction
- principal estimator - construction
- professional quantity surveyor
- quantity surveyor - construction

#### *Exclusion(s)*

- Architectural technologists and technicians (22210)
- Civil engineering technologists and technicians (22300)
- Civil engineers (21300)
- Construction managers (70010)

#### *Main duties*

This group performs some or all of the following duties:

- Prepare estimates of probable costs of materials, labour and equipment for construction projects based on contract bids, quotations, schematic drawings and specifications
- Advise on tendering procedures, examine and analyze tenders, recommend tender awards and conduct negotiations
- Establish and maintain tendering process and set up cost monitoring and reporting systems and procedures
- Prepare cost and expenditure statements and forecasts at regular intervals for the duration of a project
- Prepare and maintain a directory of suppliers, contractors and subcontractors
- Liaise, consult and communicate with engineers, architects, owners, contractors and subcontractors, and prepare economic feasibility studies on changes and adjustments to cost estimates

- Manage and coordinate construction projects and prepare construction progress schedules.

Estimators may specialize in estimating costs for structural, electrical or mechanical construction projects.

#### *Employment requirements*

- Completion of secondary school is required.
- Completion of a three-year college program in civil or construction engineering technology or  
Several years of experience as a qualified tradesperson in a construction trade such as plumbing, carpentry or electrical, are required.
- Certification by the Canadian Institute of Quantity Surveyors is usually required.

#### *Additional information*

- Progression to more senior positions in this unit group, such as senior estimator or to construction management positions is possible with experience.

## **2231 Technical occupations in electronics and electrical engineering**

This minor group comprises technical occupations in electronics and electrical engineering, including electrical and electronics engineering technologists and technicians; electronic service technicians (household and business equipment); industrial instrument technicians and mechanics; and aircraft instrument, electrical and avionics mechanics, technicians and inspectors. They are employed by governments; electrical utilities; communications, consulting, pulp and paper processing, nuclear and hydro power generating, mining, petrochemical and natural gas, industrial instrument and other manufacturing companies; manufacturers of electrical and electronic equipment; and in a wide range of manufacturing, processing and transportation industries; by industrial instrument servicing, electronic service, and retail establishments; wholesale distributors; aircraft manufacturing, maintenance, repair and overhaul establishments; and by airlines and other aircraft operators.

### **22310 Electrical and electronics engineering technologists and technicians**

Electrical and electronics engineering technologists and technicians may work independently or provide technical support and services in the design, development, testing, production and operation of electrical and electronic equipment and systems. They are employed by electrical utilities, communications companies, manufacturers of electrical and electronic equipment, consulting firms, and in governments and a wide range of manufacturing, processing and transportation industries.

#### *Illustrative example(s)*

- communications technologist
- electrical engineering technician
- electrical engineering technologist
- electricity distribution network technologist
- electronics design technologist
- electronics engineering technician
- electronics engineering technologist
- electronics manufacturing technician
- electronics manufacturing technologist
- lighting technologist
- metering technologist

- microwave maintenance technician
- production support technician - electronics manufacturing

*Exclusion(s)*

- Aircraft instrument, electrical and avionics mechanics, technicians and inspectors (22313)
- Electronic service technicians (household and business equipment) (22311)
- Engineering managers (20010)
- Industrial instrument technicians and mechanics (22312)
- Manufacturing managers (90010)
- Technical sales specialists - wholesale trade (62100)

*Main duties*

This group performs some or all of the following duties:

Electrical and electronics engineering technologists

- Design, develop and test power equipment and systems, industrial process control systems, telecommunication, broadcast, recording and audiovisual systems, microelectronic systems and circuits, computers, computer systems and networks, and computer software
- Supervise the building and testing of prototypes according to general instructions and established standards
- Conduct or supervise the installation, commissioning, and operation of electrical and electronic equipment and systems other than aircraft electronics or instruments
- Carry out applied research in fields of electrical and electronic engineering and physics under the direction of scientists or engineers
- Set up and operate specialized and standard test equipment to diagnose, test and analyze the performance of electrical and electronic components, assemblies and systems
- Write specifications, schedules and technical reports and control schedules and budgets.

Electrical and electronics engineering technicians

- Assist in the design, development and testing of electrical and electronic components, equipment, and systems
- Assist in inspection, testing, adjusting and evaluation of incoming electrical, electro-mechanical and electronic components and assemblies to ensure conformance with product specifications and tolerances
- Conduct life tests (burn-ins) on assemblies and record and analyze results
- Assist in building and testing prototypes to specifications
- Carry out a limited range of technical functions in support of research in electrical and electronic engineering and physics
- Install, operate and maintain electrical and electronic equipment and systems
- Calibrate electrical or electronic equipment and instruments according to technical manuals and written instructions
- Collect and compile operational or experimental data and assist in the preparation of estimates, schedules, budgets, specifications and reports.



*Employment requirements*

- Completion of a two- or three-year college program in electrical or electronics engineering technology, computer engineering technology, telecommunications technology or an equivalent is usually required for electrical or electronics engineering technologists.
- Completion of a one- or two-year college program in electrical or electronics engineering technology is usually required for electrical or electronics engineering technicians.
- Certification in electrical or electronics engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title “Professional Technologist.”

*Additional information*

- There is mobility to other related occupations such as technical sales, electronics service technicians, instrument technicians and avionics technicians.
- Progression to managerial positions in engineering, production or operations is possible with experience.

**22311 Electronic service technicians (household and business equipment)**

Electronic service technicians service and repair household and business electronic equipment such as audio and video systems, computers and peripherals, office equipment and other consumer electronic equipment and assemblies. They are employed by electronic service and retail establishments, by wholesale distributors and within service departments of electronic manufacturing companies. Apprentices are also included in this unit group.

*Illustrative example(s)*

- alarm system technician
- audio-video service technician
- computer service technician
- electronic products field service technician
- electronic service technician apprentice
- electronic service technician supervisor
- office equipment service technician
- photocopy machine technician
- radio and television service technician
- satellite antenna servicer

*Exclusion(s)*

- Electrical and electronics engineering technologists and technicians (22310)
- Telecommunications equipment installation and cable television service technicians (72205)

### *Main duties*

This group performs some or all of the following duties:

- Install, maintain and repair household and business electronic equipment, such as televisions, radios, DVD and blueray players, projectors, stereo equipment, photocopiers, computers and peripherals
- Inspect and test electronic equipment, components and assemblies using multimeters, circuit testers, oscilloscopes, logic probes and other electronic test instruments, tools and equipment
- Diagnose and locate circuit, component and equipment faults
- Adjust, align, replace or repair electronic equipment, assemblies and components following equipment manuals and schematics, and using soldering tools and other hand and power tools
- Complete work orders, test and maintenance reports
- May supervise other electronic equipment service technicians.

### *Employment requirements*

- Completion of a two- to three-year college program in electronics  
or  
Completion of a four-year apprenticeship program in electronic servicing and repair  
or  
Completion of high school or college courses in electronics and on-the-job training is required.
- Trade certification for electronics technicians (consumer products) is available, but voluntary, in Ontario, British Columbia and the Yukon.

### *Additional information*

- Progression to supervisory positions is possible with experience.

## **22312 Industrial instrument technicians and mechanics**

Industrial instrument technicians and mechanics repair, maintain, calibrate, adjust, and install industrial measuring and controlling instrumentation. They are employed by pulp and paper processing companies, nuclear and hydro power generating companies, mining, petrochemical and natural gas companies, industrial instrument and other manufacturing companies, and by industrial instrument servicing establishments. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice industrial instrument mechanic
- industrial instrument mechanic
- industrial instrument technician
- industrial instrumentation technician
- process control equipment mechanic

### *Exclusion(s)*

- Aircraft instrument technician (See 22313-Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Electrical and electronics engineering technologists and technicians (22310)
- Industrial mechanic (See 72400-Construction millwrights and industrial mechanics)
- Measurement technician - oil and gas inspection (See 22231-Engineering inspectors and regulatory officers)

*Main duties*

This group performs some or all of the following duties:

- Consult manufacturer's manuals, circuit diagrams and blueprints to determine tests and maintenance procedures for instruments used for measuring and controlling flow, level, pressure, temperature, chemical composition and other variables in manufacturing and processing
- Inspect and test operation of instruments and systems to diagnose faults using pneumatic, electrical and electronic testing devices and precision measuring instruments
- Repair and adjust system components, such as sensors, transmitters and programmable logic controllers, or remove and replace defective parts
- Calibrate components and instruments according to manufacturers' specifications
- Perform scheduled preventive maintenance work and complete test and maintenance reports
- Install control and measurement instruments on existing and new plant equipment and processes
- Consult with and advise process operators.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four- or five-year apprenticeship program in industrial instrument repair or Completion of a two-year college program in industrial instrumentation technology and several years of work experience are usually required for trade certification.
- Instrumentation and control technician trade certification is available, but voluntary, in all provinces and territories, except in Quebec.
- Red Seal endorsement is also available to qualified instrumentation and control technicians upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

**22313 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors**

Aircraft instrument, electrical and avionics mechanics, technicians and inspectors install, adjust, repair and overhaul aircraft instrument, electrical or avionics systems on aircraft. This unit group also includes avionics inspectors who inspect instrument, electrical and avionics systems following assembly, modification, repair or overhaul. They are employed by aircraft manufacturing, maintenance, repair and overhaul establishments and by airlines and other aircraft operators. Apprentices are also included in this unit group.

*Illustrative example(s)*

- aircraft electrical technician
- aircraft electrician
- aircraft instrument inspector
- aircraft instrument mechanic
- aircraft instrument technician
- aircraft maintenance engineer (AME) - avionics
- avionics inspector
- avionics maintenance technician

- avionics technician
- instrument overhaul and repair mechanic - avionics

#### *Exclusion(s)*

- Aircraft assemblers and aircraft assembly inspectors (93200)
- Aircraft mechanics and aircraft inspectors (72404)
- Airworthiness inspector (See 22231-Engineering inspectors and regulatory officers)
- Electrical mechanics (72422)
- Industrial instrument technicians and mechanics (22312)

#### *Main duties*

This group performs some or all of the following duties:

Aircraft instrument mechanics and technicians

- Repair and overhaul, install, calibrate and test aircraft instruments.

Aircraft electrical mechanics and technicians

- Repair and overhaul, modify, install and test aircraft electrical systems and equipment.

Avionics mechanics and technicians

- Troubleshoot, repair and overhaul, test, modify, install and inspect aircraft electronic systems and components including communications, navigation, and autoflight equipment.

Avionics inspectors

- Inspect and test aircraft instrument, electrical and avionics systems and ensure that the installation, maintenance, repair and overhaul of these systems meet Transport Canada and company standards of performance and safety.

Aircraft mechanics and technicians who work in repair and overhaul shops service and test electrical, electronic and instrument components.

Avionics mechanics and technicians who work in maintenance hangars troubleshoot, repair, install and inspect aircraft systems and components.

#### *Employment requirements*

- Aircraft instrument and avionics mechanics and technicians require completion of a two- to three-year college program in avionics or electronics.
- Aircraft electrical mechanics and technicians require completion of a college program as an electrical or electronic technician.
- Four years of on-the-job or company apprenticeship training is required for all mechanics and technicians in this unit group.
- Avionics inspectors require completion of a two- to three-year college program in avionics or electronics and  
Three to five years of experience as an avionics mechanic or technician.
- Avionics inspectors, mechanics and technicians who sign maintenance releases and certify airworthiness require an Aircraft Maintenance Engineer's (AME) licence (category E - avionics) issued by Transport Canada.

- Industry certification is available from the Canadian Council for Aviation & Aerospace (CCAA) for some occupations in this unit group.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title “Professional Technologist.”

*Additional information*

- Avionics inspectors, maintenance technicians and mechanics may acquire further endorsements to their AME licence allowing them to inspect and certify a broader range of aircraft and avionics systems.
- An AME licence can be obtained by fulfilling the education and training requirements as stated above and passing Transport Canada AME examinations.
- Progression to supervisory positions within specific areas of expertise is possible with experience.

### 3 Health occupations

This broad category comprises specialized middle management occupations in health care, as well as occupations concerned with providing health care services directly to patients (professional and technical occupations in health) and occupations that provide support to health services.

#### 30 Specialized middle management occupations in health care

This major group comprises specialized middle management occupations in health care. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

#### 300 Specialized middle management occupations in health care

This sub-major group comprises specialized middle management occupations in health care.

#### 3001 Managers in health care

This minor group comprises specialized middle management occupations in health care. They are employed in hospitals, medical clinics, nursing homes and other health care organizations.

#### 30010 Managers in health care

Managers in health care plan, organize, direct, control and evaluate the delivery of health care services, such as diagnosis and treatment, nursing and therapy, within institutions, and in other settings, that provide health care services. They are employed in hospitals, medical clinics, nursing homes and other health care organizations.

##### *Illustrative example(s)*

- chief of anesthesia
- chief of emergency medicine
- chief of medical staff
- director of clinical medicine
- director of dietetics
- director of laboratory medicine
- director of nursing - medical services
- director of occupational therapy
- director of physiotherapy
- director of surgery
- home care services director - medical services
- medical clinic director
- mental health residential care program manager
- rehabilitation services director

##### *Exclusion(s)*

- Government managers - health and social policy development and program administration (40010)
- Senior managers - health, education, social and community services and membership organizations (00013)

*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the delivery of health care services within a department of a health care institution, or in other settings where health care services are provided
- Consult with boards of directors and senior managers to maintain and establish standards for the provision of health care services
- Develop evaluation systems to monitor the quality of health care given to patients
- Monitor the use of diagnostic services, in-patient beds and facilities to ensure effective use of resources
- Develop and implement plans for new programs, special projects, new material and equipment acquisitions and future staffing levels in their department or establishment
- Plan and control departmental or establishment budget
- Represent the department or establishment at meetings with government officials, the public, the media and other organizations
- Supervise health care supervisors and professionals
- Recruit health care staff of the department or establishment.

Managers in health care specialize in administering the provision of specific health care services such as dietetics, clinical medicine, laboratory medicine, nursing, physiotherapy or surgery.

*Employment requirements*

- Administrators of departments such as surgery, clinical medicine or laboratory medicine are usually required to have the education and training of a specialist physician.
- Administrators of other departments, such as nursing, dietetics or physiotherapy, are usually required to have the education and training of the medical professionals in that department.
- Several years of experience in the relevant profession, including supervisory experience, are usually required.
- Certification in the relevant profession is required.

*Additional information*

- There is little or no mobility between departments in different medical specializations.
- Progression to senior management positions in health care services is possible with experience.

**31 Professional occupations in health**

This major group comprises professional occupations in health, including health treating and consultation services professionals; therapy and assessment professionals; and nursing and allied health professionals. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 1. Occupations classified in TEER 1, as those in this group with a 1 as the second digit of their code, typically require a university degree (bachelor's, master's or doctorate) or the accumulation several years of experience and expertise in the subject matter knowledge in a related occupation found in TEER 2, when applicable (which includes occupations with a 2 as a second digit in their code).

**311 Health treating and consultation services professionals**

This sub-major group comprises health treating and consultation services professionals, including physicians and veterinarians; dentists, optometrists and audiologists; and pharmacists and dietitians.

## **3110 Physicians and veterinarians**

This minor group comprises physicians and veterinarians, including specialists in clinical and laboratory medicine; specialists in surgery; and general practitioners and family physicians. They work in private practice, hospitals, clinics, and public health facilities; animal clinics, and farms; laboratories, universities, and government.

### **31100 Specialists in clinical and laboratory medicine**

Specialists in clinical and laboratory medicine diagnose and treat diseases and physiological or psychiatric disorders and act as consultants to other physicians. Specialists in laboratory medicine study the nature, cause and development of diseases in humans. Specialists in clinical medicine usually work in private practice or in a hospital while those in laboratory medicine usually work in hospitals. Residents in training to become specialists in clinical and laboratory medicine are included in this unit group.

#### *Illustrative example(s)*

- anatomical pathologist
- anesthetist
- cardiologist
- dermatologist
- diagnostic radiologist
- emergency physician
- endocrinologist
- gastroenterologist
- general pathologist
- geriatrician
- hematologist
- hematopathologist
- medical biochemist - physician
- medical microbiologist
- nephrologist
- neurologist
- neuropathologist
- oncologist
- pediatrician
- physiatrist
- pneumologist
- psychiatrist
- radiation oncologist
- respirologist
- rheumatologist

#### *Exclusion(s)*

- Chiropractors (31201)
- Dental surgeon (See 31110-Dentists)
- General practitioners and family physicians (31102)



- Immunologist (See 21110-Biologists and related scientists)
- Managers in health care (30010)
- Other professional occupations in health diagnosing and treating (31209)
- Physicians assistants, midwives and allied health professionals (See 31303-Physician assistants, midwives and allied health professionals)
- Specialists in surgery (31101)

### *Main duties*

This group performs some or all of the following duties:

#### Anesthesiologists

- Administer anesthetics prior to, during, or after surgery or other medical procedures.

#### Internists, general

- Diagnose and provide non-surgical treatment of diseases and injuries of internal organ systems. Provide care mainly for adults who have a wide range of problems associated with the internal organs.

#### Pediatricians, general

- Diagnose, treat, and help prevent children's diseases and injuries.

#### Psychiatrists

- Diagnose, treat, and help prevent disorders of the mind.

#### Allergists and immunologists

- Diagnose, treat, and help prevent allergic diseases and disease processes affecting the immune system.
- Hospitalists
- Provide inpatient care predominantly in settings such as medical wards, intensive care units, rehabilitation centers, or emergency rooms. Manage and coordinate patient care throughout treatment.

#### Neurologists

- Diagnose, treat, and help prevent diseases and disorders of the nervous system involving the brain and spinal cord and other nerve and muscular conditions.

#### Nuclear medicine physicians

- Diagnose and treat diseases using radioactive materials. May monitor radionuclide preparation, administration, and disposition.

#### Dermatologists

- Diagnose, treat, and help prevent diseases or other conditions of the skin.

#### Physical medicine and rehabilitation physicians

- Diagnose and treat disorders requiring physiotherapy to provide physical, mental, and occupational rehabilitation.

#### Preventive medicine physicians

- Apply knowledge of general preventive medicine and public health issues to promote health care to groups or individuals, and aid in the prevention or reduction of risk of disease, injury, disability, or death. May diagnose and treat patients in the context of clinical health promotion and disease prevention.

### Radiologists

- Examine and diagnose disorders and diseases using x-rays and radioactive materials. May treat patients.

### Other specialists in clinical medicine

- Diagnose and treat diseases and physiological or psychiatric disorders. Order laboratory tests, X-rays and other diagnostic procedures. Prescribe medication and treatment and refer patients for surgery. Act as consultants to other physicians. May conduct medical research.

### Specialists in laboratory medicine, including pathologists

- Diagnose presence and stage of diseases using laboratory techniques and patient specimens. Study the nature, cause and development of diseases in humans and the structural and functional changes caused by diseases. Act as consultants to other physicians. May perform autopsies.

### *Employment requirements*

#### Specialists in clinical and laboratory medicine

- A bachelor's degree or in Quebec, completion of a college program and one year of pre-medicine university studies is usually required.
- Graduation from an approved medical school and specific specialty training are required.
- Completion of the certifying examinations of the Royal College of Physicians and Surgeons of Canada and licensing by the provincial or territorial licensing authority are required.

#### Specialists in clinical medicine

- Four to five years of specialty residency training are required.
- Two years of subspecialty training may also be required.

#### Specialists in laboratory medicine

- Four to five years of specialty residency training are required.

### *Additional information*

- Progression to management positions, such as director of laboratory medicine is possible with experience.

## **31101 Specialists in surgery**

Specialists in surgery perform and supervise surgical procedures. Specialists in surgery usually work in hospitals. Residents in training to become specialists in surgery are included in this unit group.

### *Illustrative example(s)*

- cardiac surgeon
- general surgeon
- neurosurgeon
- obstetrician-gynecologist
- ophthalmologist
- orthopedic surgeon
- orthopedist
- otorhinolaryngologist

- pediatric surgeon
- plastic surgeon
- thoracic surgeon
- urologist
- vascular surgeon

#### *Exclusion(s)*

- Chiropractors (31201)
- Dental surgeon (See 31110-Dentists)
- General practitioners and family physicians (31102)
- Immunologist (See 21110-Biologists and related scientists)
- Managers in health care (30010)
- Other professional occupations in health diagnosing and treating (31209)
- Physicians assistants, midwives and allied health professionals (See 31303-Physician assistants, midwives and allied health professionals)
- Specialists in clinical and laboratory medicine (31100)

#### *Main duties*

This group performs some or all of the following duties:

##### General surgeons

- Treat diseases, injuries, and deformities by invasive, minimally-invasive, or non-invasive surgical methods, such as using instruments, appliances, or by manual manipulation.

##### Obstetricians and gynecologists

- Provide medical care related to pregnancy or childbirth. Diagnose, treat, and help prevent diseases of women, particularly those affecting the reproductive system. May also provide general medical care to women. May perform both medical and gynecological surgery functions.

##### Ophthalmologists

- Diagnose, treat, and help prevent diseases and injuries of the eyes and related structures.

##### Urologists

- Diagnose, treat, and help prevent benign and malignant medical and surgical disorders of the genitourinary system and the renal glands.

##### Other specialists in surgery

- Assess patients' diseases or disorders to determine appropriate surgical procedures
- Perform and supervise surgical procedures to correct physical abnormalities and deficiencies and repair injuries
- Act as consultants to other physicians.

#### *Employment requirements*

- A bachelor's degree or in Quebec, completion of a college program and one year of pre-medicine university studies is usually required.
- Graduation from an approved medical school and specific specialty training are required.

- Completion of the certifying examinations of the Royal College of Physicians and Surgeons of Canada and licensing by the provincial or territorial licensing authority are required.
- Five to six years of specialty residency training are required.
- Two years of subspecialty training may also be required.

#### *Additional information*

- Progression to management positions, such as chief of surgery, is possible with experience.

### **31102 General practitioners and family physicians**

General practitioners and family physicians diagnose and treat the diseases, physiological disorders and injuries of patients. They provide primary contact and continuous care toward the management of patients' health. They usually work in private practice, including group or team practices, hospitals and clinics. Residents in training to be general practitioners or family physicians are included in this unit group.

#### *Illustrative example(s)*

- family physician
- general practice resident
- general practitioner (GP)
- medical doctor

#### *Inclusion(s)*

- community preventive medicine physician
- medical missionary

#### *Exclusion(s)*

- Chiropractors (31201)
- Managers in health care (30010)
- Nurse practitioners (31302)
- Other professional occupations in health diagnosing and treating (31209)
- Physicians assistants, midwives and allied health professionals (See 31303-Physician assistants, midwives and allied health professionals)
- Specialists in clinical and laboratory medicine (31100)

#### *Main duties*

This group performs some or all of the following duties:

- Examine patients and take their histories, order laboratory tests, X-rays and other diagnostic procedures and consult with other medical practitioners to evaluate patients' physical and mental health
- Prescribe and administer medications and treatments
- Perform and assist in routine surgery
- Provide emergency care
- Provide acute care management
- Vaccinate patients to prevent and treat diseases

- Deliver babies and provide pre-natal and post-natal care
- Advise patients and their families on health care including health promotion, disease, illness and accident prevention
- Provide counselling and support to patients and their families on a wide range of health and lifestyle issues
- Perform patient advocacy role
- Coordinate or manage primary patient care
- Provide continuous care to patients
- Supervise home care services
- Report births, deaths, and contagious and other diseases to governmental authorities.

#### *Employment requirements*

- A bachelor's degree  
or  
In Quebec, completion of a college program and one year of pre-medicine university studies is usually required.
- Graduation from an approved medical school and two to three years of family medicine residency training are required.
- Completion of the qualifying examinations of the Medical Council of Canada or the Collège des médecins du Québec  
and  
Licensing by the provincial or territorial licensing authority are required.

#### *Additional information*

- General practitioners and family physicians may become specialist physicians with additional training.

### **31103 Veterinarians**

Veterinarians prevent, diagnose and treat diseases and disorders in animals and advise clients on the feeding, hygiene, housing and general care of animals. They can also perform surgical procedures. They work in private practice or may be employed by animal clinics, farms, laboratories, government or industry.

#### *Illustrative example(s)*

- farm veterinarian
- small animal veterinary specialist
- veterinarian
- veterinary inspector
- veterinary pathologist
- veterinary physiologist
- veterinary surgeon
- zoo veterinarian

### *Exclusion(s)*

- Animal health technologists and veterinary technicians (32104)
- Biologists and related scientists (21110)

### *Main duties*

This group performs some or all of the following duties:

- Diagnose diseases or abnormal conditions in individual animals, herds and flocks through physical examinations or laboratory tests
- Treat sick or injured animals by prescribing medication, setting bones, dressing wounds or performing surgery
- Vaccinate animals to prevent and treat diseases
- Perform routine, emergency and post-mortem examinations
- Advise clients on feeding, housing, behaviour, breeding, hygiene and general care of animals
- Provide a range of veterinary services including obstetrics, dentistry and euthanasia
- May supervise animal health technologists and animal care workers
- May be responsible for overall operation of animal hospital, clinic or mobile service to farms
- May conduct veterinary research related to areas such as animal nutrition, health care products development and disease prevention and control
- May enforce government regulations in disease control and food production including animal or animal-based food inspection.

### *Employment requirements*

#### Doctor of veterinary medicine

- Two years of pre-veterinary university studies or completion of a college program in health science and a four to five year university degree in veterinary medicine and successful completion of an examination leading to a national certification are required.
- A provincial licence to practice is required.

#### Veterinary specialists

- Completion of a degree in veterinary medicine and three to four years of additional postgraduate studies or residency program in the specialty of their choice are required.
- Veterinary specialists must be accredited by the American College of Veterinary Internal Medicine (ACVIM) or the American Board of Veterinary Practitioners (ABVP). In Quebec, they must be accredited by the Ordre des médecins vétérinaires du Québec and only 18 specialties are recognized.
- A provincial license to practice is required.

#### Research veterinarian

- Two years of pre-veterinary university studies or completion of a college program in health science and a four to five year university degree in veterinary medicine and successful completion of an examination leading to a national certification are required.
- Entry into research positions may require postgraduate study.
- A provincial licence to practice is required.

*Additional information*

- The duties of veterinarians performing research may be similar to those of some biologists.
- In its regulations, the 'Ordre des médecins vétérinaires du Québec (OMVQ)' recognizes only the following specialties: Animal behavioural medicine; Laboratory animal medicine; Large animal internal medicine; Large animal surgery; Pet internal medicine; Pet surgery; Veterinary anesthesiology; Veterinary clinical pathology; Veterinary dermatology; Veterinary emergency and intensive care; Veterinary medical imaging; Veterinary microbiology; Veterinary neurology; Veterinary oncology; Veterinary ophthalmology; Veterinary pathology; Veterinary theriogenology; and Zoological medicine.

**3111 Dentists, optometrists and audiologists**

This minor group comprises dentists, optometrists and audiologists and speech-language pathologists. They work in private practice, in hospitals, clinics, and public health facilities; laboratories; educational institutions; rehabilitation centres; and government; and in the dental and optical industries.

**31110 Dentists**

Dentists diagnose, treat, prevent and control disorders of the teeth and mouth. They work in private practice or may be employed in hospitals, clinics, public health facilities or universities.

*Illustrative example(s)*

- dentist
- endodontist
- oral and maxillofacial surgeon
- oral pathologist
- oral radiologist
- orthodontist
- pediatric dentist
- periodontist
- prosthodontist
- public health dentist

*Exclusion(s)*

- Dental assistants and dental laboratory assistants (33100)
- Dental hygienists and dental therapists (32111)
- Dental technologists and technicians (32112)
- Denturists (32110)

*Main duties*

This group performs some or all of the following duties:

**Dentists**

- Examine patients' teeth, gums and surrounding tissue to diagnose disease, injury and decay and plan appropriate preventative or corrective treatment
- Provide general dental care such as cleaning teeth, filling cavities, performing root canals, applying veneers, and fitting crowns, bridges and dentures
- Restore, extract and replace diseased and decayed teeth

- Instruct patients on oral hygiene and preventive dental care
- Monitor patient progress to identify changes or the progression of dental disease
- Prescribe antibiotics or other medication as required
- Bleach, clean, or polish teeth to restore natural color
- Supervise dental hygienists, dental assistants and other staff
- Refer patients to dental specialists as needed for recommended procedures
- May provide basic orthodontic treatments with additional training.

#### Oral and maxillofacial surgeons

- Collaborate with other professionals, such as restorative dentists and orthodontists, to plan treatment
- Administer general and local anesthetics
- Perform surgery to prepare the mouth for dental implants or to aid in the regeneration of deficient bone and gum tissues
- Remove impacted, damaged, and non-restorable teeth, as well as tumors and other abnormal growths of the oral and facial regions
- Perform surgery on the mouth and jaws to treat conditions, such as cleft lip, palate, and jaw growth problems
- Provide emergency treatment of facial injuries including facial lacerations, intra-oral lacerations, and fractured facial bones
- Treat infections of the oral cavity, salivary glands, jaws, and neck.

#### Orthodontists

- Examine patients' teeth, gums and surrounding tissue to assess abnormalities of jaw development, tooth position, and other dental-facial structures
- Diagnose teeth and jaw or other dental-facial abnormalities
- Propose treatment plan for conditions such as underbites, overbites, crowding and others
- Design and fabricate appliances, such as space maintainers, retainers, and labial and lingual arch wires
- Fit dental appliances in patients' mouths to alter the position and relationship of teeth and jaws or to realign teeth
- Coordinate orthodontic services with other dental and medical professionals
- Educate patients about improving and maintaining orthodontic care, and promoting routine dental health care.

#### Prosthodontists

- Examine patient's teeth, gums and jaws to diagnose disease, injury and decay, and plan appropriate treatment to enhance patients' dental and facial aesthetics, or correct orofacial problems
- Replace missing teeth and associated oral structures with permanent fixtures, such as implant-supported prostheses, crowns and bridges, or removable fixtures, such as dentures
- Restore function and improve aesthetics for traumatic injury victims, or individuals with diseases or birth defects
- Design and fabricate dental prostheses, or supervise dental technicians who construct the devices
- Fit prostheses to patients, making any necessary adjustments and modifications
- Restore damaged teeth with materials such as fillings, veneers and crowns
- Collaborate with general dentists, dental specialists, and other health professionals to develop solutions to dental and oral health concerns.



*Employment requirements***Dentists**

- Two to four years of pre-dentistry university studies or, in Quebec, completion of a college program in sciences and a university degree from a recognized dental program are required.
- Licensing by a provincial or territorial regulatory body is required.
- Dentists in general practice can move into a specialized practice through advanced training.

**Oral and maxillofacial surgeons**

- Four to seven years of specialty residency training in oral and maxillofacial surgery are required.

**Orthodontists**

- Three years advanced orthodontics and dentofacial orthopedics program accredited by the Canadian Dental Association is required.

**Prosthodontists**

- Three years advanced prosthodontics program accredited by the Canadian Dental Association is required.

*Additional information*

- Certification by the National Dental Examining Board of Canada entitles dentists or graduates of approved dental programs to practice dentistry in any province in Canada provided requirements set out by the provincial and territorial licensing authorities are met.
- Dentists with further education, training and licensing, can specialize and practice in such areas as oral and maxillofacial surgery, orthodontics, pediatric dentistry, periodontics, endodontics, prosthodontics, oral pathology, oral radiology or public health dentistry.

**31111 Optometrists**

Optometrists examine eyes to assess and diagnose ocular diseases and disorders. They prescribe and fit eyeglasses and contact lenses and recommend treatments such as exercises to correct vision problems or ocular disorders. They work in private practice, hospitals, clinics, community health centres, rehabilitation centres, the optical industry, government and universities.

*Illustrative example(s)*

- doctor of optometry (OD)
- optometrist

*Exclusion(s)*

- Ocularist (See 32129-Other medical technologists and technicians)
- Ophthalmologist (See 31101-Specialists in surgery)
- Opticians (32100)
- Optometric technician (See 33109-Other assisting occupations in support of health services)
- Optometrist assistant (See 33109-Other assisting occupations in support of health services)
- Orthoptist (See 31303-Physician assistants, midwives and allied health professionals)
- Other professional occupations in health diagnosing and treating (31209)

*Main duties*

This group performs some or all of the following duties:

- Examine patients' eyes, conduct tests and use ophthalmoscopes, biomicroscopes and other specialized instruments to determine ocular health and visual efficiency
- Prescribe and provide treatment (excluding surgery) to maintain, improve and correct vision and manage other ocular diseases and disorders
- Prescribe, dispense and fit eyeglasses, contact lenses and other visual aids
- Educate, counsel and advise patients on contact lens use and care, ocular hygiene, surgical and non-surgical options, and preventive care and maintenance related to occupation and lifestyle
- Refer patients to ophthalmologists or other physicians and surgeons for treatment of ocular diseases or conditions such as cataracts, glaucoma and macular degeneration and systemic conditions such as diabetes and high blood pressure
- Collaborate with ophthalmologists and other healthcare professionals to provide pre- and post-operative care for patients undergoing eye surgeries such as laser vision correction
- May prescribe from a limited list of medications
- Conduct research and promote advancement in the visual sciences.

Optometrists may specialize in fitting visual aids for people who are partially blind, fitting contact lenses or correcting special vision problems.

*Employment requirements*

- Three years of university undergraduate studies or, in Quebec, completion of a college program in sciences and a four- to five-year university program in optometry are required.
- Licensing by the provincial or territorial regulatory governing body is required.

**31112 Audiologists and speech-language pathologists**

Audiologists diagnose, evaluate and treat individuals with peripheral and central hearing loss, tinnitus and balance problems. Speech-language pathologists diagnose, assess and treat human communication disorders including speech, fluency, language, voice and swallowing disorders. Audiologists and speech-language pathologists are employed in hospitals, community and public health centres, extended care facilities, day clinics, rehabilitation centres and educational institutions, or may work in private practice. Audiologists and speech-language pathologists who are supervisors are included in this unit group.

*Illustrative example(s)*

- audiologist
- certified audiologist
- clinical audiologist
- educational speech-language pathologist
- research audiologist
- speech therapist
- speech-language clinician

*Exclusion(s)*

- Braille instructor (See 42203-Instructors of persons with disabilities)
- Hearing aid practitioner (See 32109-Other technical occupations in therapy and assessment)
- Lip-reading instructor (See 42203-Instructors of persons with disabilities)

- Managers in health care (30010)
- Phoniatician (See 31100-Specialists in clinical and laboratory medicine)
- Sign language instructor (See 42203-Instructors of persons with disabilities)
- Speech-language pathology assistant (See 32109-Other technical occupations in therapy and assessment)

### *Main duties*

This group performs some or all of the following duties:

#### Audiologists

- Develop and administer audiometric tests and examinations using specialized instruments and electronic equipment to diagnose and evaluate the degree and type of patients' hearing impairment
- Plan and implement habilitation/rehabilitation programs for patients, including selection, fitting and adjustment of amplification devices, such as hearing aids, balance retraining exercises, and teaching speech (lip) reading
- Educate and counsel patients and families regarding the nature, extent, impact and implications of hearing loss and treatment
- Establish personalized care plans working as a member of an interdisciplinary team
- Conduct research related to hearing and hearing disorders
- May instruct and supervise audiometric technicians, students and other health care personnel.

#### Speech-language pathologists

- Administer tests and examinations and observe patients to diagnose and evaluate speech, voice, resonance, language, fluency, cognitive-linguistic and swallowing disorders
- Develop, plan and implement remedial programs to correct speech, voice, language, fluency, resonance, cognitive-linguistic and swallowing disorders
- Establish group and personalized care plans working as a member of an interdisciplinary team
- Educate and counsel patients and families regarding communication and swallowing disorders
- Conduct research on speech and other communication disorders and on the development and design of diagnostic procedures and devices
- May instruct and supervise communicative disorders assistants, students and other health care personnel.

### *Employment requirements*

- Audiologists require a master's degree in audiology.
- Speech-language pathologists require a master's degree in speech-language pathology.
- Registration with a regulatory body is required for audiologists and speech-language pathologists in Newfoundland and Labrador, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.
- Membership in the national association, Canadian Association of Speech-Language Pathologists and Audiologists, is usually required.
- In some jurisdictions, audiologists may be required to obtain a separate licence to dispense hearing aids.

### *Additional information*

- Progression into management positions, such as chief audiologist or director of speech-language pathology, is possible with experience.

## 3112 Pharmacists and dietitians

This minor group comprises pharmacists, dietitians and nutritionists. They are employed by retail and hospital pharmacies, home health-care agencies, extended care facilities, and community health centres; pharmaceutical companies; educational institutions, sports organizations, and government departments and agencies; in the pharmaceutical, and food and beverage industries; or they may be self-employed.

### 31120 Pharmacists

Community pharmacists and hospital pharmacists compound and dispense prescribed pharmaceuticals and provide consultative services to both clients and health care providers. They are employed in retail pharmacies and health center pharmacies, or they may be self-employed. Industrial pharmacists participate in the research, development, promotion and manufacture of pharmaceutical products. They are employed in pharmaceutical companies and government departments and agencies.

#### *Illustrative example(s)*

- clinical pharmacist
- community pharmacist
- hospital pharmacist
- industrial pharmacist
- pharmacist
- retail pharmacist

#### *Exclusion(s)*

- Chemists (21101)
- Chief of pharmacy (See 30010-Managers in health care)
- Drugstore manager (See 60020-Retail and wholesale trade managers)
- Pharmaceutical sales representative (See 62100-Technical sales specialists - wholesale trade)
- Pharmacologist (See 21110-Biologists and related scientists)
- Pharmacy director (See 30010-Managers in health care)
- Pharmacy manager - retail (See 60020-Retail and wholesale trade managers)
- Pharmacy technical assistants and pharmacy assistants (33103)
- Pharmacy technicians (32124)

#### *Main duties*

This group performs some or all of the following duties:

##### Community pharmacists and hospital pharmacists

- Check prescriptions for proper dosage
- Compound prescribed pharmaceutical products by calculating, measuring and mixing the quantities of drugs and other ingredients required and filling appropriate containers with correct quantity
- Dispense prescribed pharmaceuticals to customers or to other health care professionals and advise them on indications, contra-indications, adverse effects, drug interactions and dosage
- Maintain medication profiles of customers including registry of poisons and narcotic and controlled drugs
- Ensure proper preparation, packaging, distribution and storage of vaccines, serums, biologicals and other drugs and pharmaceuticals
- Order and maintain stock of pharmaceutical supplies

- Advise customers on selection and use of non-prescription medication
- Renew existing prescriptions in limited circumstances
- May adapt the formulation, regimen, duration or route of administration of medication
- May supervise and coordinate the activities of other pharmacists, pharmacy assistants, pharmacy technicians and other staff.

#### Industrial pharmacists

- Participate in research for the development of new drugs
- Formulate new drug products developed by medical researchers
- Test new drug products for stability and to determine absorption and elimination patterns
- Coordinate clinical investigations of new drugs
- Control the quality of drug products during production to ensure that they meet standards of potency, purity, uniformity, stability and safety
- Develop information materials concerning the uses, properties and risks of particular drugs
- Evaluate labelling, packaging and advertising of drug products
- Promote pharmaceutical products to health professionals.

#### *Employment requirements*

- A university degree in pharmacy and a period of supervised practical training are required.
- Licensure is required in all provinces and territories for community and hospital pharmacists.

### **31121 Dietitians and nutritionists**

Dietitians and nutritionists assess nutrition related issues of individuals and groups and develop, implement and evaluate nutrition care plans to prevent, treat and manage disease. They manage food and nutrition service systems, and plan health promotion programs. They are employed in a variety of settings including hospitals, home health-care agencies and extended care facilities, community health centres, the food, beverage and pharmaceutical industries, educational institutions, and government and sports organizations, or they may work as private consultants.

#### *Illustrative example(s)*

- administrative dietitian
- clinical dietitian
- community nutritionist
- consultant dietitian
- dietitian
- dietitian-nutritionist
- nutrition specialist
- nutritionist
- public health dietitian
- public health nutritionist
- registered dietitian (RD)
- research dietitian

### *Exclusion(s)*

- Dietary technician (See 32129-Other medical technologists and technicians)
- Director of dietetics (See 30010-Managers in health care)
- Food service supervisors (62020)
- Holistic nutritionist (See 32209-Other practitioners of natural healing)
- Home economist (See 41403-Social policy researchers, consultants and program officers)

### *Main duties*

This group performs some or all of the following duties:

- Develop, implement and evaluate nutrition programs and services for individuals, communities and populations
- Manage food service systems in hospitals, long-term care facilities, schools, privately owned-food service outlets or similar settings
- Provide nutrition guidance, label interpretation and consultation services to health professionals, individuals, dietetic interns, community groups, government and the media
- Evaluate nutritional status of individuals and aid in the prevention and/or treatment of inadequate nutrition
- Plan, evaluate and conduct nutrition education programs and develop educational materials for various audiences
- Practice on an individual basis or as a member of an interdisciplinary team to determine nutritional needs of patients and to plan, implement and evaluate normal and therapeutic diets to maintain and enhance general health
- Analyze current scientific nutritional studies, conduct research and evaluate program effectiveness to improve the nutritional value, taste, appearance and preparation of food
- Work within industry in the development, testing and evaluation, and marketing of food and nutrition products or as a company representative supplying product related information to health professionals
- Confer with other health professionals, community groups, government and the media to provide consultation and advice in areas of nutrition interpretation, intervention and policy
- Supervise training of dietetic interns.

Dietitians and nutritionists may specialize in areas such as administrative dietetics, clinical dietetics, community dietetics, public health nutrition or research dietetics.

### *Employment requirements*

- Dietitians require a bachelor's degree in dietetics, nutrition or a related field such as food and nutritional science from a program accredited by the Partnership for Dietetic Education and Practice (PDEP), and a period of supervised practical training.
- Successful completion of the Canadian Dietetic Registration Exam (CDRE) is required in all provinces except Quebec.
- Registration with a regulatory body is required in all provinces for dietitians.
- Membership in the national association, Dietitians of Canada, is voluntary.
- Registration with a regulatory body is required for nutritionists in Nova Scotia, Quebec and Alberta. In the remaining provinces, nutritionists may require the same education and practical training as dietitians.
- Membership with the national association, Dietitians of Canada, and/or a provincial regulatory body is available for nutritionists who have the same education and practical training as dietitians.

*Additional information*

- Dietitians and nutritionists are protected titles and used interchangeably in Nova Scotia, Quebec and Alberta. In these provinces nutritionists require the same level of education and training as dietitians.
- In some provinces dietitians who work as Public Health Nutritionists and dietetic education program coordinators may require a Master's degree.
- Dietitians and nutritionists may progress to management positions through additional experience.

**312 Therapy and assessment professionals**

This sub-major group comprises therapy and assessment professionals, including psychologists; chiropractors; physiotherapists; occupational therapists; kinesiologists and other professional occupations in therapy and assessment; and other professional occupations in health diagnosing and treating.

**3120 Therapy and assessment professionals**

This minor group comprises therapy and assessment professionals, including psychologists; chiropractors; physiotherapists; occupational therapists; kinesiologists and other professional occupations in therapy and assessment; and other professional occupations in health diagnosing and treating. They are employed by hospitals, community and public health centres, extended care and health care facilities, nursing homes, clinics, rehabilitation and recreational centres, and private and social services agencies; educational institutions, and sports organizations; in industry; or they may work in private practice.

**31200 Psychologists**

Psychologists assess and diagnose behavioural, emotional and cognitive disorders, counsel clients, provide therapy, conduct research and apply theory relating to behaviour and mental processes. Psychologists help clients work toward the maintenance and enhancement of psychological, physical, intellectual, emotional, social and interpersonal functioning. They work in private practice or in clinics, correctional facilities, hospitals, mental health facilities, rehabilitation centres, community service organizations, businesses, schools and universities, and in government and private research agencies.

*Illustrative example(s)*

- clinical psychologist
- psychological associate
- psychologist
- research psychologist

*Exclusion(s)*

- Psychiatrist (See 31100-Specialists in clinical and laboratory medicine)
- Psychology assistant (except university) (See 41403-Social policy researchers, consultants and program officers)
- Psychology professor - university (See 41200-University professors and lecturers)
- Psychology research assistant (except university) (See 12113-Statistical officers and related research support occupations)
- Psychometrist (See 41409-Other professional occupations in social science)
- Therapists in counselling and related specialized therapies (41301)

### *Main duties*

This group performs some or all of the following duties:

- Examine and assess behaviour, diagnose behavioural, emotional and cognitive disorders, counsel clients and provide therapy
- Help clients manage physical illness and disorders
- Counsel individuals and groups to achieve more effective personal, social and vocational development and adjustment, and offer mediation services
- Use standard psychological tests for assessment
- Plan intervention programs and conduct program evaluation
- Apply psychological theory and principles regarding behaviour and mental processes such as learning, language development, memory and perception to develop treatment programs
- Formulate hypotheses and experimental designs, review literature, conduct studies and publish research papers, educational texts and articles
- Deliver presentations at conferences, workshops or symposia
- Provide consultation services to government and other organizations
- Conduct applied psychology and/or experimental research.

Sub-specialties include behavioural psychology, child psychology, cognitive psychology, developmental psychology, educational psychology, industrial psychology, neuropsychology, social psychology or sports psychology.

### *Employment requirements*

- A doctoral degree in psychology is required in order to use the designation “Psychologist” in Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba and British Columbia.
- A master’s degree in psychology is required for the designation “Psychologist” in Newfoundland and Labrador, Nova Scotia, Saskatchewan, Alberta, the Northwest Territories and Nunavut.
- A master’s degree in psychology is required in order to use the designation “Psychological Associate” in Prince Edward Island, Ontario, Manitoba and British Columbia.
- A period of supervised practical experience is required in most jurisdictions.
- Successful completion of the written Examination for Professional Practice in Psychology (EPPP) is required in most provinces.
- Oral examinations and board interviews are required in some provinces.
- Registration with a regulatory body is required in all provinces, the Northwest Territories and Nunavut.
- Written ethics and jurisprudence exams may be required in some jurisdictions.
- Psychologists can become specialized in a particular area through training and experience.

### *Additional information*

- Psychological associates may be granted permission by provincial regulatory authorities to perform duties normally restricted to psychologists, specifically diagnosing psychological disorders and communicating diagnoses to clients.

## **31201 Chiropractors**

Chiropractors assess, diagnose, treat and prevent patients’ neuromuscular-skeletal disorders of the spine, nervous system, pelvis and other body joints using corrective manipulation including spinal column adjustments, or other complementary therapies. They are usually in private practice or in clinics with other health practitioners.



*Illustrative example(s)*

- chiropractor

*Exclusion(s)*

- Chiropractic aide (See 33109-Other assisting occupations in support of health services)

*Main duties*

This group performs some or all of the following duties:

- Conduct patient interviews and take medical histories
- Conduct an examination including postural assessment, range of motion tests, neurological and orthopedic examination, and palpation of joints and soft tissues
- Prescribe and/or perform X-rays and other imaging and tests as required to diagnose patient's condition
- Diagnose neuromuscular-skeletal disorders of the spinal column, pelvis, extremities and associated tissues
- Define and implement a treatment plan including spinal and joint adjustment or manipulations, soft tissue work and/or the use of complementary therapies; such as electrotherapy, acupuncture, heat therapy and massage
- Communicate and collaborate with other health care professionals
- Advise patients on alternate treatment modalities such as corrective exercises, posture, nutritional and lifestyle counselling, that have positive effects on the spine, joints, muscles and nervous system
- Refer patients to other health care professionals when appropriate.

*Employment requirements*

- A minimum of three years of university undergraduate studies or in Quebec, completion of a college diploma in natural science is required.
- Completion of a four or five year program at an Accredited Doctor of Chiropractic Education Programme is required.
- Successful completion of the national examinations by the Canadian Chiropractic Examining Board is required to qualify to become licensed by a provincial or territorial body.
- Licensing by a regulatory body is required in all provinces and in Yukon.

*Additional information*

- The scope of practice of chiropractors varies by province.

**31202 Physiotherapists**

Physiotherapists assess clients and plan and carry out individually designed treatment programs to maintain, improve or restore physical functioning and mobility, alleviate pain and prevent physical dysfunction in clients. They are employed in hospitals, clinics, industry, sports organizations, rehabilitation centres and extended care facilities, or may work in private practice.

*Illustrative example(s)*

- physical therapist
- physiotherapist
- registered physiotherapist
- research physiotherapist

#### *Inclusion(s)*

- physical therapy clinical coordinator
- physiotherapy clinical coordinator

#### *Exclusion(s)*

- Director of physiotherapy (See 30010-Managers in health care)
- Physical rehabilitation therapist (See 32109-Other technical occupations in therapy and assessment)
- Physiotherapy assistant (See 32109-Other technical occupations in therapy and assessment)

#### *Main duties*

This group performs some or all of the following duties:

- Assess clients' physical abilities using assessment procedures such as functional ability tests and make a physiotherapy diagnosis
- Establish treatment goals with clients based on diagnosis
- Develop and implement physiotherapy treatment plans including therapeutic exercise, manipulations, massage, education, electrotherapy hydrotherapy and other modalities
- Evaluate effectiveness of treatment plans and modify accordingly
- Provide advice on exercise and strategies to implement at home to enhance and or maintain treatment
- Communicate with referring physician and other health care professionals regarding clients' problems, needs and progress
- Maintain clinical and statistical records and confer with other health care professionals
- Develop and implement health promotion programs for clients, staff and the community
- May conduct research in physiotherapy
- Provide consulting or education services as required.

Physiotherapists may focus their practice in particular clinical areas such as neurology, oncology, rheumatology, orthopedics, obstetrics, pediatrics, geriatrics, in the treatment of patients with cardiovascular and cardiopulmonary disorders, burns or sports injuries or in the field of ergonomics.

#### *Employment requirements*

- A master's degree in physiotherapy and a period of supervised practical training are required.
- A licence or registration with a regulatory body is required in all provinces and territories.
- Completion of a physiotherapist competency examination is required in all provinces and territories.

#### *Additional information*

- Progression to management positions, such as director of physiotherapy, is possible through experience and additional training.

### **31203 Occupational therapists**

Occupational therapists develop individual and group programs with people affected by illness, injury, developmental disorders, emotional or psychological problems and aging to maintain, restore or increase their ability to care for themselves and to engage in work, school or leisure. They also develop and implement health promotion programs with individuals, community groups and employers. They are employed in health care facilities, in schools, and by private and social services agencies, or they may be self-employed.

*Illustrative example(s)*

- case manager occupational therapist
- clinical occupational therapist
- community occupational therapist
- occupational therapist (OT)
- occupational therapy rehabilitation consultant
- research and development occupational therapist

*Exclusion(s)*

- Director of occupational therapy (See 30010-Managers in health care)
- Orientation and mobility instructor (See 42203-Instructors of persons with disabilities)

*Main duties*

This group performs some or all of the following duties:

- Analyse clients' capabilities and expectations related to life activities through observation, interviews and formal assessments
- Develop intervention programs to address clients' needs related to self-care, work and leisure activities
- Maintain clients' records
- Establish personalized care plans working as a member of an interdisciplinary team
- Consult and advise on health promotion programs to prevent disabilities and to maximize independent function in all activities of life
- May supervise support personnel and students and provide training.

Occupational therapists may specialize in working with specific populations such as children or adults, or persons with distinct problems such as dementia, traumatic brain injury and chronic pain, or provide special interventions such as return-to-work programs.

*Employment requirements*

- A university degree in occupational therapy including supervised fieldwork is required.
- Completion of a national or provincial certification examination is required.
- Licensure with a regulatory body is required in all provinces and territories.
- Membership in the national association, Canadian Association of Occupational Therapists, is required in some provinces.
- Occupational therapists may obtain expertise in a particular area through additional training or experience.

*Additional information*

- Occupational therapists may progress to management or administrative positions through further training and experience.

**31204 Kinesiologists and other professional occupations in therapy and assessment**

Kinesiologists and other professional occupations in therapy and assessment include specialized therapists who use techniques such as athletic or recreational therapy to aid in the treatment of mental and physical disabilities or injuries. They are employed by establishments such as hospitals, rehabilitation centres, extended health care facilities, clinics, recreational centres, nursing homes, industry, educational institutions and sports organizations, or they may work in private practice.

### *Illustrative example(s)*

- athletic therapist
- certified athletic therapist (CAT)
- certified kinesiologist
- exercise physiologist
- human kineticist
- kinesiologist
- recreational therapist

### *Exclusion(s)*

- Kinesitherapist (See 32109-Other technical occupations in therapy and assessment)
- Occupational therapists (31203)
- Physiotherapists (31202)
- Recreation, sports and fitness policy researchers, consultants and program officers (41406)
- Therapists in counselling and related specialized therapies (41301)

### *Main duties*

This group performs some or all of the following duties:

- Assess patients and review reports from physicians, physiotherapists, psychiatrists, counsellors, teachers and other professionals to determine patients' current and potential functioning level
- Prepare individualized and group treatment plans either independently or through a multidisciplinary team approach, based on health concerns and on recommendations from physicians or other health professionals
- Design specialized therapy programs to maintain, rehabilitate or enhance movement, musculoskeletal functioning and performance in sports, work and recreation
- Implement treatment plans by carrying out specialized therapy sessions employing approaches and techniques such as recreational, sports or other movement therapy
- Observe, record observations and analyze patients during treatment sessions, write progress reports on patient outcomes and consult with other health professionals to evaluate treatment plans
- May provide education to clients regarding health promotion and injury prevention, management and treatment
- May conduct research in respective field of specialization.

### *Employment requirements*

- Kinesiologists require a four-year bachelor's degree in kinesiology, physical education or human kinetics.
- Certification for kinesiologists is available through the Canadian Kinesiology Alliance.
- Registration with a regulatory body is required for kinesiologists in Ontario.
- Athletic therapists require a bachelor's degree in sport therapy or a degree in health sciences with a specialization in sports injury management.
- Recreational therapists usually require a bachelor's degree in recreation with a specialization in therapeutic recreation.
- Supervised practical training is usually required for occupations in this unit group.
- Certification or membership with the appropriate national professional association or provincial counterpart may be required.

*Additional information*

- There is no mobility between the different occupations in this unit group.

**31209 Other professional occupations in health diagnosing and treating**

Other professional occupations in health diagnosing and treating, who are not elsewhere classified, diagnose and treat the diseases and injuries of patients. This unit group includes doctors of podiatric medicine, naturopathic medicine and osteopathic medicine, and also includes chiropodists and podiatrists. They work in private practices, clinics and hospitals.

*Illustrative example(s)*

- chiropodist
- doctor of naturopathic medicine
- doctor of osteopathic medicine
- doctor of podiatric medicine (D.P.M.)
- foot specialist
- naturopathic doctor (ND)
- osteopathic physician
- podiatrist

*Exclusion(s)*

- Chiropractors (31201)
- General practitioners and family physicians (31102)
- Orthoptist (See 31303-Physician assistants, midwives and allied health professionals)
- Osteopathic manual practitioner (See 32209-Other practitioners of natural healing)
- Osteopathic manual therapist (See 32209-Other practitioners of natural healing)
- Specialists in clinical and laboratory medicine (31100)
- Specialists in surgery (31101)

*Main duties*

This group performs some or all of the following duties:

*Doctors of podiatric medicine*

- Diagnose diseases, deformities and injuries of the human foot and communicate diagnoses to patients
- Treat patients using braces, casts, shields, orthotic devices, physical therapy, or prescribed medications
- May also perform surgery on the bones of the forefoot and the subcutaneous soft tissues of the foot.

*Chiropodists and diploma or first-degree trained podiatrists*

- Diagnose diseases, deformities and injuries of the human foot
- Treat patients using braces, casts, shields, orthotic devices, physical therapy and subcutaneous soft-tissue foot surgery.

*Doctors of naturopathic medicine*

- Diagnose patients' diseases and disorders

- Employ natural methods of healing such as acupuncture and acupressure, spinal manipulation, reflexology, hydrotherapy, herbal medicines, biochemical therapy, clinical nutrition, homeopathy and counselling in their treatment.

#### Doctors of osteopathic medicine

- Diagnose disorders and injuries of the musculoskeletal, circulatory and nervous systems
- Treat patients with manipulative therapy, medications or surgery.

#### *Employment requirements*

##### Doctors of podiatric medicine (D.P.M.)

- A four-year doctoral degree program in podiatric medicine available in the United States and in Quebec, normally following completion of a bachelor's degree program, is required.
- A medical residency is required in Alberta and British Columbia.
- A doctor of podiatric medicine (D.P.M.) degree is required to practice podiatry in Quebec, Ontario, Alberta and British Columbia.

##### Chiropodists and podiatrists

- An advanced three-year diploma program in chiropody (DCh) obtained in Canada  
or  
A first-degree program in podiatric medicine (D.Pod.M.) obtained abroad (United Kingdom) is usually required.
- A licence is required in New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.

##### Doctors of naturopathic medicine

- A university degree in pre-medical science is required.
- Completion of a university program in naturopathic medicine, obtained abroad  
or  
A four-year program in naturopathic medicine from a private institute is required.
- A licence is required in Nova Scotia, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.

##### Doctors of osteopathic medicine

- A bachelor's degree is required for admission to a doctor of osteopathic medicine program.
- A four-year program in osteopathic medicine leading to a doctor of osteopathy degree  
and  
A minimum three-year medical residency are required. These qualifications are obtained in the United States.
- Completion of certifying examinations of the Royal College of Physicians and Surgeons of Canada  
and  
Licensing by the provincial or territorial licensing authority are required.

#### *Additional information*

- Chiropodist and podiatrist titles are used interchangeably, depending on the province or territory. The use of the podiatrist job title does not necessarily refer to doctors of podiatric medicine (D.P.M.).
- Doctors of osteopathic medicine may obtain a licence as general practitioners.

### 313 Nursing and allied health professionals

This sub-major group comprises nursing and allied health professionals, including nursing coordinators and supervisors; registered nurses and registered psychiatric nurses; nurse practitioners; and physician assistants, midwives and allied health professionals.

#### 3130 Nursing and allied health professionals

This minor group comprises nursing and allied health professionals, including nursing coordinators and supervisors; registered nurses and registered psychiatric nurses; nurse practitioners; and physician assistants, midwives and allied health professionals. They are employed by hospitals, clinics, extended care facilities, rehabilitation centres, nursing homes, nursing and community agencies, doctors' offices, companies, and private homes; or they may be self-employed.

#### 31300 Nursing coordinators and supervisors

Nursing coordinators and supervisors coordinate and supervise the activities of registered nurses, registered psychiatric nurses, licensed practical nurses and other nursing personnel in the provision of patient care. They are employed in health care institutions such as hospitals, clinics and nursing homes, and in nursing agencies.

##### *Illustrative example(s)*

- nursing care coordinator
- nursing services coordinator
- nursing supervisor
- patient care coordinator - nursing
- psychiatric nursing supervisor
- public health nursing supervisor

##### *Exclusion(s)*

- Managers in health care (30010)

##### *Main duties*

This group performs some or all of the following duties:

- Supervise registered nurses, licensed practical nurses and other nursing personnel
- Evaluate patients' needs and ensure that required nursing care is delivered
- Set up and coordinate nursing services in conjunction with other health services
- Ensure quality nursing care is provided and appropriate administrative procedures are followed
- Assist in the establishment of unit policies and procedures
- Administer nursing unit budget and ensure that supplies and equipment are available
- Assist in the selection, evaluation and professional development of nursing personnel
- Collaborate on research projects related to nursing and medical care and multidisciplinary services
- May provide direct patient care.

##### *Employment requirements*

- Completion of a university, college or other approved registered nursing, or registered psychiatric nursing, program is required.
- Courses in management studies or a degree, diploma or certificate in management or administration may be required.

- Registration with a regulatory body is required for registered nurses in all provinces and territories and for registered psychiatric nurses in Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon.
- Clinical experience as a registered nurse, or as a registered psychiatric nurse, is required.

*Additional information*

- Progression to management positions, such as director of nursing, is possible with experience.

### **31301 Registered nurses and registered psychiatric nurses**

Registered nurses and registered psychiatric nurses provide direct nursing care to patients, deliver health education programs and provide consultative services regarding issues relevant to the practice of nursing. They are employed in a variety of settings including hospitals, nursing homes, extended care facilities, rehabilitation centres, doctors' offices, clinics, community agencies, companies, private homes and public and private organizations or they may be self-employed.

*Illustrative example(s)*

- clinical nurse
- community health nurse
- critical care nurse
- emergency care nurse
- intensive care nurse
- nurse researcher
- nursing consultant
- occupational health nurse
- private duty nurse
- public health nurse
- registered nurse (R.N.)
- registered psychiatric nurse (R.P.N.)

*Inclusion(s)*

- infection control officer

*Exclusion(s)*

- Nurse practitioners (31302)
- Nursing coordinators and supervisors (31300)
- Nursing services manager - medical services (See 30010-Managers in health care)
- Registered practical nurse (R.P.N.) (See 32101-Licensed practical nurses)

*Main duties*

This group performs some or all of the following duties:

General duty registered nurses

- Assess patients to identify appropriate nursing interventions
- Collaborate with members of an interdisciplinary health team to plan, implement, coordinate and evaluate patient care in consultation with patients and their families



- Administer medications and treatments as prescribed by a physician or according to established policies and protocols
- Monitor, assess, address, document and report symptoms and changes in patients' conditions
- Operate or monitor medical apparatus or equipment
- Assist in surgery and other medical procedures
- May supervise licensed practical nurses and other nursing staff
- May develop and implement discharge planning process on admission of patients
- May teach and counsel patients and their families on health-related issues in collaboration with other health care providers.

Registered nurses may specialize in areas such as surgery, obstetrics care, psychiatric care, critical care, pediatrics, geriatrics, community health, occupational health, emergency care, rehabilitation or oncology.

#### Occupational health nurses

- Develop and implement employee health education programs and provide registered nursing care in private businesses and industry.

#### Community health nurses

- Provide health education and registered nursing care in public health units and through home visits, manage complex home care cases, participate in community needs assessment and program development, conduct disease screening and deliver immunization programs.

#### Registered psychiatric nurses

- Provide nursing care, supportive counselling and life skills programming to patients in psychiatric hospitals, mental health clinics, long-term care facilities and community-based settings.

#### Nursing researchers and consultants

- Engaged in research activities related to nursing, as self-employed or as employed by hospitals, public and private organizations and governments.
- Provide consultative services to institutes, associations and health care organizations regarding issues and concerns relevant to the nursing profession and nursing practice.

#### Clinical nurses

- Provide leadership, advice and counsel on the provision of research-based care for specific patient groups within the care of particular health care organizations.

### *Employment requirements*

#### Registered nurses

- Completion of a university, college or other approved registered nursing program is required.
- Additional academic training or experience is required to specialize in a specific area of nursing.
- A master's or doctoral degree in nursing is usually required for clinical nurse specialists, clinical nurses, nursing consultants and nursing researchers.
- Registration with a regulatory body is required in all provinces and territories.

#### Registered psychiatric nurses

- Completion of a university or college registered psychiatric nursing program is required.
- Registration with a regulatory body is required in Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon.

### *Additional information*

- Nurses trained exclusively as registered psychiatric nurses (RPN) are regulated in Manitoba, Saskatchewan, Alberta and British Columbia. In all other provinces and territories, registered nurses (RN) may work as psychiatric nurses without separate registration.
- Registered nurses and registered psychiatric nurses may progress to supervisory and managerial positions with experience.

## **31302 Nurse practitioners**

Nurse practitioners are registered nurses with additional education, advanced knowledge and nursing experience, and a specialty of practice. They provide a range of health services to patients and deliver preventive and continuous care toward the management of patients' health. Nurse practitioners work in conjunction with physicians and collaboratively with other nursing colleagues and health-care providers, or they may work independently. They are employed in community health centres, hospitals, clinics, long-term care facilities, and rehabilitation centres. Nurse practitioners may specialize in primary healthcare or acute care.

### *Illustrative example(s)*

- extended class registered nurse
- nurse practitioner
- pediatric nurse practitioner

### *Exclusion(s)*

- General practitioners and family physicians (31102)
- Managers in health care (30010)
- Other professional occupations in health diagnosing and treating (31209)
- Physicians assistants, midwives and allied health professionals (See 31303-Physician assistants, midwives and allied health professionals)
- Registered nurses and registered psychiatric nurses (31301)
- Specialists in clinical and laboratory medicine (31100)
- Specialists in surgery (31101)

### *Main duties*

This group performs some or all of the following duties:

- Examine patients and take their medical histories and consult with physicians and other medical practitioners to evaluate patients' physical and mental health
- Order laboratory tests, X-rays and other diagnostic procedures
- Inoculate and vaccinate patients
- Advise patients and their families on health care including health promotion, disease, illness and accident prevention
- Collaborate with members of an interdisciplinary health team such as family physicians, therapists and nutritionists to plan, implement, coordinate and evaluate patient care in consultation with patients and their families
- Perform a patient advocacy role
- Prescribe and administer medications
- May coordinate or manage primary patient care.

*Employment requirements*

- Nurse practitioners usually require a master's degree in nursing; or completion of a nursing program with additional advanced or extended primary health care nursing education; and several years of practice as a registered nurse.
- Registration with a regulatory body is required for nurse practitioners in all provinces and territories.

*Additional information*

- There is little to no mobility between nurse practitioner specializations without further training.

**31303 Physician assistants, midwives and allied health professionals**

Physician assistants and midwives provide primary health care and treatment in conjunction with physicians and in collaboration with other health professionals. Physician assistants provide a range of health services to patients delivering preventive and continuous care toward the management of patients' health. Midwives provide full-course care to women and their babies during the pre- and post-natal period. This unit group also includes professionals such as genetic counsellors, orthoptists and pathologists' assistants, who work in collaboration with primary health occupations. Genetic counsellors assess individual or family risk of genetic conditions, and provide information to individuals, families and healthcare providers to promote informed choice. Orthoptists diagnose and treat binocular disorders. Pathologists' assistants assist at autopsies and examinations of surgical specimens, or perform autopsies under a pathologist's supervision. Physician assistants usually work under physicians in private practice, including group or team practices, hospitals and clinics. Midwives are employed in hospitals, clinics, birthing centres or in private practice. Genetic counsellors usually work in private practice, hospitals, clinics and research institutes. Orthoptists work under an ophthalmologist, particularly in private practices or clinics. Pathologists' assistants are usually employed in hospitals and universities.

*Illustrative example(s)*

- genetic counsellor
- midwife
- orthoptist
- pathology assistant
- physician assistant

*Exclusion(s)*

- General practitioners and family physicians (31102)
- Managers in health care (30010)
- Nurse practitioners (31302)
- Other practitioners of natural healing (32209)
- Other professional occupations in health diagnosing and treating (31209)
- Registered nurses and registered psychiatric nurses (31301)
- Specialists in clinical and laboratory medicine (31100)
- Specialists in surgery (31101)
- Traditional Chinese medicine practitioners and acupuncturists (32200)

### *Main duties*

This group performs some or all of the following duties:

#### Physician assistants

- Conduct patient interviews, physical assessments and take medical histories
- Perform or order diagnostic tests and interpret results
- In consultation with a supervising physician, formulate and implement treatment plans and monitor patients' progress
- Perform and assist in minor surgery
- Provide health maintenance education
- May participate in research activities
- May prescribe from a limited list of medications.

#### Midwives

- Provide primary, full-course, care to women and their babies during pregnancy, such as physical examinations, screening and diagnostic tests to monitor the health of mother and baby and make referrals to medical specialists as required
- Manage labour and spontaneous normal deliveries
- Care for, assess and monitor the health of newborns and refer infants to appropriate medical services as required
- Provide advice and guidance regarding care for newborns and young infants.

#### Genetic counsellors

- Provide information and support to families affected by or at risk of a genetic disorder
- Gather and analyze family history and inheritance patterns, calculate risks of recurrence, and provide information about genetic testing and related procedures
- Develop, implement or coordinate action plans and refer individuals and families to other health professionals
- Design and conduct genetics training programs for other healthcare professionals or the general public
- May conduct research in the field of medical genetics and genetic counselling.

#### Orthoptists

- Work alongside ophthalmologists to diagnose and treat eye disorders by performing specialized eye tests to measure and assess defective binocular vision or abnormal eye movement in patients
- Prescribe treatment such as eye exercises or patching regimens.

#### Pathologists' assistants

- Prepare for autopsies by obtaining patients' medical records and arranging for radiographic examinations
- Prepare, assist with or perform autopsies and surgical specimen examinations under pathologists' supervision
- Assist with preparation of provisional autopsy report
- Dissect, examine, weigh, photograph and X-ray organs and specimens, collect tissue samples for chemical analysis and record findings
- Discard specimens according to established safety procedures
- Clean and maintain instruments, equipment and supplies
- Develop and maintain processes for laboratory quality control

- May prepare bodies for release to funeral homes following completion of autopsies
- May supervise and train junior resident pathologists and morgue attendants.

### *Employment requirements*

#### Physician assistants

- Physician assistants require completion of a university degree in a physician assistant program.
- Physician assistants require registration with a regulatory body in Manitoba and New Brunswick.

#### Midwives

- Midwives require completion of an undergraduate university degree program in midwifery or its equivalent and a period of supervised practical training.
- Registration with a regulatory body is required for midwives in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest Territories and Nunavut.

#### Genetic counsellors

- Genetic counsellors usually require a master's degree in genetic counselling and the certification with the Canadian Association of Genetic Counsellors (CAGC).

#### Orthoptists

- A bachelor's degree and completion of a two-year accredited training program in orthoptics are required.
- Certification with the Canadian Orthoptic Council is required.
- Continuing education is required for recertification with the Canadian Orthoptic Council.

#### Pathologists' assistants

- Pathologists' assistants usually require completion of a master's degree in a pathologists' assistant program.
- Certification by the Canadian Certification Council of Pathologists' Assistants, the American Society for Clinical Pathology - Board of Certification, or Pathologists' Assistant Certification Examination is usually required by employers.
- Membership in the national association, Canadian Association of Pathologists, is voluntary, but may be required by some employers.

### *Additional information*

- There is no mobility between these occupations without further training.

## **32 Technical occupations in health**

This major group comprises technical occupations in health and practitioners of natural healing. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

## 321 Technical occupations in health (except practitioners of natural healing)

This sub-major group comprises technical occupations in health other than practitioners of natural healing, including technical occupations in therapy and assessment; technical occupations in dental health care; and medical technologists and technicians.

### 3210 Technical occupations in therapy and assessment

This minor group comprises technical occupations in therapy and assessment, including opticians; licensed practical nurses; paramedical occupations; respiratory therapists, clinical perfusionists and cardiopulmonary technologists; animal health technologists and veterinary technicians; and other technical occupations in therapy and assessment. They are employed by hospitals, community and public health centres, extended care and health care facilities, nursing homes, clinics, rehabilitation and recreational centres, and private and social services agencies; educational institutions, and sports organizations; in industry; or they may be self-employed.

#### 32100 Opticians

Opticians assist clients in the selection of eyeglass frames, take the necessary measurements and arrange for the production of eyeglasses or contact lenses, mount lenses in eyeglass frames and fit clients with final prescription eyeglasses and contact lenses. They are employed in optical retail outlets or other establishments with optical dispensing departments, or they may be self-employed. Student opticians and opticians who are managers of optical retail outlets are included in this unit group.

##### *Illustrative example(s)*

- contact lens fitter
- contact lens practitioner
- dispensing optician
- licensed optician
- optician

##### *Exclusion(s)*

- Dispensing opticians office manager (See 60020-Retail and wholesale trade managers)
- Ocularist (See 32129-Other medical technologists and technicians)
- Ophthalmologist (See 31101-Specialists in surgery)
- Optical laboratory technician (See 33109-Other assisting occupations in support of health services)
- Optometrists (31111)

##### *Main duties*

This group performs some or all of the following duties:

- Obtain specifications for eyeglasses or contact lenses from a prescription prepared by an ophthalmologist or optometrist or by analyzing the client's eyeglasses or contact lenses and take necessary measurements including the curvature of the eyes, the accurate position of the pupils and bridge width, using optical measuring devices
- Advise clients on eyeglasses selection by informing them of different products such as lens materials, frames, tints and anti-reflection coating
- Adjust contact lenses and inform client on use and care
- Grind, polish, cut and edge lenses or have them made by a laboratory before inserting them into the frame
- Adjust finished eyeglasses to fit client
- May supervise or manage the activities of other opticians or student opticians.

- Employment requirements
- Completion of a two- or three-year college program in ophthalmic dispensing or optical sciences is required.
- Licensing by a regulatory body for opticians is required in all provinces.

Licensing requirements for scope of practice and protected titles related to the sale or dispensing and fitting of contact lenses vary by province.

### **32101 Licensed practical nurses**

Licensed practical nurses provide nursing care usually under the direction of medical practitioners, registered nurses or other health team members. Operating room technicians prepare patients and provide assistance to medical practitioners prior to and during surgery. Licensed practical nurses are employed in hospitals, nursing homes, extended care facilities, rehabilitation centres, doctors' offices, clinics, companies, private homes and community health centres. Operating room technicians are employed in hospitals.

#### *Illustrative example(s)*

- graduate nursing assistant
- licensed practical nurse (L.P.N.)
- operating room technician
- registered nursing assistant (R.N.A.)

#### *Exclusion(s)*

- Home support workers, caregivers and related occupations (44101)
- Nurse aides, orderlies and patient service associates (33102)

#### *Main duties*

This group performs some or all of the following duties:

##### Licensed practical nurses

- Provide nursing services, within defined scope of practice, to patients based on patient assessment and care planning procedures
- Perform nursing interventions such as taking vital signs, applying aseptic techniques including sterile dressing, ensuring infection control, monitoring nutritional intake and conducting specimen collection
- Administer medication and observe and document therapeutic effects
- Provide pre-operative and post-operative personal and comfort care
- Monitor established respiratory therapy and intravenous therapy
- Monitor patients' progress, evaluate and document effectiveness of nursing interventions and collaborate with appropriate members of health care team
- Provide safety and health education to individuals and their families.

##### Operating room technicians

- Prepare patients for surgery by washing, shaving and sterilizing the patients' operative areas
- Assist in surgery by laying out instruments, setting up equipment, assisting surgical teams with gowns and gloves and passing instruments to surgeons

- Monitor patients' status during surgery, such as intake, output and loss of blood, and communicate and document any changes
- Clean and sterilize the operating room and instruments.

#### *Employment requirements*

- Completion of a vocational, college or other approved program for licensed practical nurses is required.
- Registration with a regulatory body is required in all provinces and territories.
- Completion of a registration examination is required in all provinces and territories.
- Operating room technicians require additional academic training in operating room techniques.

#### *Additional information*

- Working under the direction of a medical practitioner or registered nurse is not required for licensed practical nurses in all jurisdictions.

### **32102 Paramedical occupations**

Workers in paramedical occupations administer pre-hospital emergency medical care to patients with injuries or medical illnesses and transport them to hospitals or other medical facilities for further medical care. They are employed by private ambulance services, hospitals, fire departments, government departments and agencies, manufacturing firms, mining companies and other private sector establishments. Paramedics who are supervisors are included in this unit group.

#### *Illustrative example(s)*

- advanced care paramedic
- ambulance attendant
- ambulance services supervisor
- critical care paramedic
- emergency medical technician (EMT)
- emergency medical technologist - paramedic (EMT-P)
- paramedic
- paramedic emergency medical technician
- primary care paramedic

#### *Inclusion(s)*

- emergency medical assistant
- emergency medical attendant (EMA)

#### *Exclusion(s)*

- Emergency medical care assistant (See 33102-Nurse aides, orderlies and patient service associates)
- Emergency medical care attendant (non-paramedical) (See 33102-Nurse aides, orderlies and patient service associates)
- Emergency medical responder (non-paramedical) (See 33102-Nurse aides, orderlies and patient service associates)
- Other assisting occupations in support of health services (33109)



*Main duties*

This group performs some or all of the following duties:

- Assess extent of injuries or medical illnesses of trauma victims, patients with respiratory disease and stress, overdose and poisoning victims, industrial accident victims and other ill or injured individuals to determine emergency medical treatment
- Administer pre-hospital emergency care to patients such as oxygen therapy, cardiopulmonary resuscitation (CPR), spinal immobilization, bandaging and splinting
- Establish and maintain intravenous treatment (IV), apply adjunctive equipment for ventilation and circulation complications, administer medications and provide other advanced emergency treatment to patients
- Transport patients by air, land or water to hospital or other medical facility for further medical care
- Collaborate with ambulance dispatch centres, hospital staff, police, firefighters and family members to ensure relevant information is collected and proper treatment is administered
- Document and record nature of injuries and illnesses and treatment provided
- Assist hospital personnel with provision of medical treatment, if necessary
- Maintain emergency care equipment and supplies
- May train and supervise other workers in this unit group
- May assist with triage of emergency patients.

*Employment requirements*

- Completion of a one- to three-year college, hospital-based or other recognized paramedical or emergency medical technology program is required.
- Licensing by a regulatory body is required in all provinces.
- Those operating emergency vehicles require an appropriate class of licence.

**32103 Respiratory therapists, clinical perfusionists and cardiopulmonary technologists**

Respiratory therapists assist physicians in the evaluation, diagnosis, treatment and care of patients with respiratory and cardiopulmonary disorders. Clinical perfusionists provide technical support to patients undergoing cardiac surgery and patients requiring cardio-respiratory support. Cardiopulmonary technologists assist physicians in the technical aspects of diagnosis and treatment of cardiovascular and pulmonary disease. Respiratory therapists are employed in hospitals, extended care facilities, public health centres, sleep, private or dental clinics and respiratory home care companies. Clinical perfusionists and cardiopulmonary technologists are primarily employed in hospitals. Respiratory therapists, clinical perfusionists and cardiopulmonary technologists who are supervisors or instructors are included in this unit group.

*Illustrative example(s)*

- anesthesia assistant
- cardiopulmonary technologist
- cardiovascular perfusion supervisor
- cardiovascular perfusionist
- certified clinical perfusionist (CCP)
- chief respiratory technologist
- clinical perfusionist
- perfusionist
- registered respiratory therapist (RRT)
- respiratory therapist

- respiratory therapy chief
- respiratory therapy clinical instructor

*Inclusion(s)*

- anesthesia technologist
- polysomnographic technologist

*Exclusion(s)*

- Other medical technologists and technicians (32129)
- Other technical occupations in therapy and assessment (32109)

*Main duties*

This group performs some or all of the following duties:

Respiratory therapists

- Perform diagnostic tests, such as arterial blood gas analysis and cardiopulmonary functions tests
- Operate and monitor respiratory equipment to administer treatments such as oxygen, oxygen-air mixtures, humidified air or specialty medical gases
- Operate, monitor, maintain and test a variety of diagnostic and therapeutic equipment
- Perform or assist with interventions such as airway maintenance, line insertions, inductions and intubations, and manage patients and associated equipment
- Execute anesthesia assistance services
- Perform artificial respiration and external cardiac massage
- Evaluate and monitor patients' cardiorespiratory conditions
- Provide and optimize patients' mechanical ventilation
- Assist with transport of high-risk patients
- May prepare and administer authorized medications
- Supervise and train students and other respiratory therapists
- Participate in home care programs for chronic respiratory patients and provide patient and family education
- Participate in research related to cardiac and pulmonary disorders.
- Respiratory therapists may work in specific areas of practice such as anesthesia, critical care, neonatal and pediatrics, cardiopulmonary diagnostics, respiratory home and community care, research and private health industry.

Clinical perfusionists

- Assemble, maintain and operate extracorporeal circulation equipment, intra-aortic balloon pumps and other heart assist devices to support or temporarily replace patients' cardiopulmonary functions during open-heart surgery
- Administer blood products, drugs and other substances through heart-lung machines and other devices as directed by cardiac surgeons and anaesthetists to maintain adequate flow of oxygenated blood to all organs of the body
- Monitor vital signs to support and maintain patients' physiological functions and metabolic needs during cardiopulmonary surgery
- Participate in routine maintenance, calibration and inspection of all perfusion related equipment
- Supervise and train student clinical perfusionists and other clinical perfusionists.

### Cardiopulmonary technologists

- Perform diagnostic tests, such as pulmonary function and asthma stress, or assist physicians with cardiac and cardiopulmonary stress tests and bronchoscopies
- Determine patients' blood characteristics such as activated clotting time and oxygen saturation
- Operate, monitor, maintain, calibrate and test diagnostic and therapeutic equipment
- Monitor patients and advise physician of any changes in patients' condition
- Prepare medications and administer inhaler and other treatments under supervision of cardiologist
- Provide information and care for patients during tests
- Assist with the preparation of cardiac catheterization room, prepare specialized catheters and assist cardiologists during catheterization
- Perform analysis, programming and monitoring of implanted devices such as pacemakers and defibrillators during surgery
- Supervise and train students and other cardiopulmonary technologists
- Provide technical support for research.

### Employment requirements

- Respiratory therapists require the completion of a three-year college or university degree program in respiratory therapy, both including clinical training.
- Licensing is required for respiratory therapists in Newfoundland and Labrador, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta.
- A national certification for respiratory therapists is available for therapists working in Prince Edward Island, British Columbia, Yukon, the Northwest Territories and Nunavut.
- In Quebec, a certificate is required for respiratory therapists to prescribe smoking cessation medication.
- Clinical perfusionists require the completion of a respiratory therapy or registered nursing program with a minimum of one year of work experience as a respiratory therapist or registered nurse and completion of a college or university program in clinical perfusion, including clinical training.
- Certification with the Canadian Society of Clinical Perfusion is required for clinical perfusionists.
- Cardiopulmonary technologists require a two-year college diploma in an allied health discipline such as respiratory therapy, nursing diploma, or a university degree in a related science and completion of a college post-diploma program in cardiovascular technology and additional training in pulmonary technology through courses or supervised on-the-job clinical training.
- Registration with the Canadian Association of Cardio-pulmonary Technologists (CACPT) may be required.

### Additional information

- Supervisory and instructor positions in this unit group require experience in their respective fields as a respiratory therapist, clinical perfusionist or cardiopulmonary technologist.

## 32104 Animal health technologists and veterinary technicians

Animal health technologists and veterinary technicians provide technical support to veterinarians by caring for animals and assisting in the diagnosis and treatment of animal health disorders. They are employed in veterinary clinics, animal hospitals, animal shelters, humane societies, zoos, animal research laboratories, pharmaceutical companies and government. Animal health technologists and veterinary technicians who are supervisors are included in this unit group.

### *Illustrative example(s)*

- animal health technician
- animal health technologist
- laboratory animal technician
- registered veterinary technician (RVT)
- veterinarian assistant
- veterinary technician
- veterinary technologist

### *Exclusion(s)*

- Pet groomers and animal care workers (65220)

### *Main duties*

This group performs some or all of the following duties:

- Provide nursing care and rehabilitation therapy for animals
- Handle, restrain and care for animals undergoing treatment and surgery
- Produce radiographs, collect and analyse samples and perform other laboratory tests to assist in diagnosis of animal health problems
- Assist veterinarian with animals before, during and following surgery by preparing surgical equipment, administering and monitoring anaesthetics and cleaning up after surgery
- Prepare and administer medications and vaccines under direction of a veterinarian
- Administer treatments as prescribed by a veterinarian
- Provide wound and bandage care
- Conduct specialized procedures such as animal identification and hoof trimming
- Educate and advise clients on animal health care including nutrition and home care
- Assist in laboratory research
- Perform routine animal dental procedures and assist veterinarians with animal dentistry
- May perform a variety of office management and clerical duties.

### *Employment requirements*

- Completion of a two- or three-year animal health/veterinary technology college program is required.
- Successful completion of a national registration examination may be required in some employment settings.
- Registration with provincial animal health technologists' or veterinary technicians' associations is available, and is mandatory in some provinces.
- Additional information
- With experience, animal health technologists and veterinary technicians may progress to supervisory positions.

## **32109 Other technical occupations in therapy and assessment**

Other technical workers in therapy and assessment perform various technical therapy and assessment functions. Some may assist professionals such as audiologists, speech-language pathologists, ophthalmologists, physiotherapists and occupational therapists. They are employed in hospitals, clinics, extended care facilities,

rehabilitation centres, community health centres, educational institutions, hearing aid retail stores, in the private practices of the professionals they assist, or they may be self-employed.

*Illustrative example(s)*

- audiology technician
- communicative disorders assistant
- hearing instrument practitioner
- hearing instrument specialist
- occupational therapy assistant
- ophthalmic technician
- ophthalmic technologist
- physical rehabilitation therapist
- physical therapist assistant (PTA)
- physiotherapy assistant
- physiotherapy technician
- rehabilitation assistant
- speech aide
- speech technician
- speech therapy assistant

*Inclusion(s)*

- communication disorders instructor

*Exclusion(s)*

- Licensed practical nurses (32101)
- Medical laboratory assistants and related technical occupations (33101)
- Medical technologists and technicians (3212)
- Opticians (32100)
- Other assisting occupations in support of health services (33109)
- Paramedical occupations (32102)
- Physiotherapists (31202)
- Practitioners of natural healing (3220)
- Respiratory therapists, clinical perfusionists and cardiopulmonary technologists (32103)

*Main duties*

This group performs some or all of the following duties:

Hearing instrument practitioners

- Examine adult clients to assess hearing loss using diagnostic evaluation and electro acoustic testing
- Recommend and dispense or sell appropriate type of hearing instrument
- Take earmold impressions for use in the manufacture of hearing devices
- Fit, adjust and make minor modifications to hearing instruments
- Educate clients in appropriate use, care and maintenance of hearing instruments

- Communicate with audiologist or other health care professionals regarding patients' condition
- Perform follow-up examinations and readjustments.

#### Communicative disorders assistants and speech-language pathology assistants

- Assist speech-language pathologists and audiologists during assessment of patients
- Carry out treatment programs, document results and develop materials for use with patients, under the supervision of speech-language pathologists or audiologists
- Document patient rehabilitation progress
- Check and maintain therapeutic equipment and materials.

#### Ophthalmic medical technologists and technicians

- Take patients' general medical and ophthalmic history
- Conduct specialized testing such as refractometry, ultrasonography, fluorescein angiography or ocular motility testing to aid ophthalmologists in assessing patients' vision
- Instruct patient on diagnostic test and record, interpret and troubleshoot results
- Assist ophthalmologists in performing ophthalmic procedures and surgeries
- Administer topical ophthalmic or oral medications as directed by ophthalmologists
- Prepare specimens for culture and staining
- Maintain ophthalmic instruments or equipment
- May instruct and supervise other ophthalmic staff and perform various administrative duties
- May participate in research activities.

#### Physical rehabilitation therapists

- Collect and analyse information from clients' file upon referral from the physiotherapist or physician
- Develop, implement and monitor treatment plans of clients in collaboration with the physiotherapist or physician
- Use a variety of therapeutic modalities such as manual techniques (e.g. massage), exercises, electrotherapy, hydrotherapy and thermotherapy (ice or heat) to achieve treatment objectives
- Advise clients on postures, lifestyle and exercises to help them improve their physical condition.

#### Physiotherapy assistants and occupational therapy assistants

- Under the direction of physiotherapists and/or occupational therapists, carry out treatment programs such as thermotherapy, traction, hydrotherapy and electrotherapeutic techniques to rehabilitate patients with various injuries or disabilities to maximize their ability to independently manage daily activities.

#### *Employment requirements*

- Hearing instrument practitioners require completion of a two or three-year college diploma in a hearing instrument specialist program, and a period of supervised training.
- Licensure with a regulatory body is required for hearing instrument practitioners in all provinces except in Prince Edward Island, New Brunswick, and Ontario. Ontario requires membership with the Association of Hearing Instrument Practitioners of Ontario (AHIP). Hearing instrument practitioners can prescribe and dispense hearing instruments except in Ontario where dispensing is dependent on a prescription from a physician or audiologist.
- Communicative disorders assistants and speech-language pathology assistants require completion of a three- to four-year college program.

- Ophthalmic medical technicians require completion of a one-year hospital based ophthalmic technician training program or a minimum of one year on-the-job training working as a Certified Ophthalmic Assistant under the supervision of an ophthalmologist.
- Ophthalmic medical technologists require completion of a two-year hospital-based training program in ophthalmic medical technology, or a 4 year bachelor's degree program in Ophthalmic Medical Technology or a minimum of two years of on-the-job training working as a Certified Ophthalmic technician under the supervision of an ophthalmologist.
- Certification by the Joint Commission on Allied Health Personnel in Ophthalmology may be required by employers.
- Physical rehabilitation therapists, who are only found in Quebec, require completion of a three-year physiotherapy or rehabilitation techniques college program and a period of internship.
- A permit to practice issued by the Ordre professionnel de la physiothérapie du Québec (OPPQ) is required for physical rehabilitation therapists.
- Physiotherapy assistants require completion of a two-year physical therapy assistant (PTA) college program, or a two-year rehabilitation therapy assistant program and supervised practical training.
- Occupational therapy assistants require completion of a two-year occupational therapy assistant (OTA) college program.

#### *Additional information*

- Ophthalmic medical technicians may progress to ophthalmic medical technologists' positions with training, experience and certification.
- Certified Ophthalmic Technician and Certified Ophthalmic Medical Technologist may have additional specialty certification such as Registered Ophthalmic Ultrasound Biometrist (ROUB) or Certified Diagnostic Ophthalmic Sonographer (CDOS).
- In most provinces occupational therapy assistants (OTA) and physiotherapy assistants (PTA) receive training through a single OTA/PTA program in community colleges.
- In Quebec, hearing instruments practitioners provide services to adults and children.

### **3211 Technical occupations in dental health care**

This minor group comprises technical occupations in dental health care, including denturists; dental hygienists and dental therapists; and dental technologists and technicians. They work in private practice; and are employed by dentists' offices, hospitals, and clinics; educational institutions; governments and government agencies; dental laboratories; and in private industry.

#### **32110 Denturists**

Denturists examine patients and design, construct and repair removable dentures. Most denturists work in private practice. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- dental mechanic
- denturist
- denturologist

#### *Exclusion(s)*

- Dental assistants and dental laboratory assistants (33100)
- Dental hygienists and dental therapists (32111)

- Dental technologists and technicians (32112)
- Dentists (31110)

#### *Main duties*

This group performs some or all of the following duties:

- Measure patients' jaws to determine size and shape of dentures required
- Make impressions of patients' teeth, gums and jaws
- Design and construct dentures or direct other workers to construct dentures
- Insert, fit and modify new dentures
- Repair dentures
- Reline, rebase and adjust dentures
- Fabricate mouth protectors, anti-snoring prostheses and removable prostheses on implants
- May order radiographs
- May prepare partial dentures
- May perform denture whitening and cleaning.

#### *Employment requirements*

- Completion of a two- or three-year college program in denturism/denturology is required.
- An internship in a registered denture clinic may be required.
- Licensing by a provincial or territorial regulatory body is required.

### **32111 Dental hygienists and dental therapists**

Dental hygienists provide dental hygiene treatment and services related to oral health promotion and disease and mouth injury prevention. They are employed in a variety of settings including dentists' offices, hospitals, private clinics, educational institutions, public health agencies or they may be self-employed. Dental therapists provide limited restorative dental treatment in addition to dental hygiene services. They are employed by the federal government and the provincial governments to provide services in rural and remote communities.

#### *Illustrative example(s)*

- dental hygienist
- dental nurse
- dental therapist
- registered dental hygienist

#### *Exclusion(s)*

- Dental assistants and dental laboratory assistants (33100)
- Dental technologists and technicians (32112)
- Dentists (31110)
- Denturists (32110)



*Main duties*

This group performs some or all of the following duties:

*Dental hygienists*

- Conduct patient screening and oral health assessments, including taking vital signs and documenting patient medical and health history
- Take dental impressions
- Take and develop X-rays
- Perform preventative dental procedures such as teeth cleaning, scaling, gum stimulation and fluoride and sealant applications
- Provide oral care instructions such as oral hygiene procedures, strategies to maintain and improve oral health and on the impact of nutrition on oral health
- Consult with dentists on patient care
- May perform restorative and orthodontic procedures under the direction of a dentist
- May supervise dental assistants in their health care functions
- May participate in community- or school-based oral health initiatives such as oral screening.

*Dental therapists*

- Perform routine dental check-ups, oral cancer examinations and emergency dental examinations
- Take dental impressions
- Take and develop X-rays
- Perform preventative dental procedures such as teeth cleaning, gum stimulation and fluoride and sealant applications
- Provide oral care instructions such as oral hygiene procedures, strategies to maintain and improve oral health and on the impact of nutrition on oral health
- Perform routine teeth restorations and uncomplicated extractions and provide post extraction oral care instructions
- Refer patients to other dental professionals for care beyond the scope of the dental therapist
- Provide oral health promotion activities
- May supervise dental assistants in their health care functions.

*Employment requirements*

- Completion of a two- to three-year college dental hygiene program, approved by the governing board within the province or territory of residence, is usually required for dental hygienists.
- Dental therapists are required to complete a two- to three- year college diploma from an approved dental institution program.
- Licensing by the appropriate provincial or territorial regulatory body is required for dental hygienists.
- Licensure is required for dental therapists in Saskatchewan, the Yukon, the Northwest Territories and Nunavut.

**32112 Dental technologists and technicians**

Dental technologists and technicians design, prepare and fabricate dentures and dental devices as prescribed by dentists and other specialists. They are employed in dental laboratories. Dental technologists and technicians who are supervisors are included in this unit group.

*Illustrative example(s)*

- dental technician
- dental technician supervisor
- dental technologist
- registered dental technician (RDT)
- registered dental technologist (RDT)

*Exclusion(s)*

- Dental assistants and dental laboratory assistants (33100)
- Dental hygienists and dental therapists (32111)
- Denturists (32110)

*Main duties*

This group performs some or all of the following duties:

- Design, fabricate, modify or repair dental devices including full or partial dentures, orthodontic appliances, crowns, bridges, inlays, onlays, clasps and bands, and implants
- Ensure proper handling and control of hazardous materials, and adhere to laboratory infection control procedures as required
- May consult with dentists or other specialists on problematic dental cases
- May train and supervise other dental technicians and dental laboratory assistants in fabricating dentures and other dental devices
- May conduct research in the science, techniques and practice of dental technology
- May perform administrative functions for the dental laboratory.

*Employment requirements*

- Dental technologists and technicians are required to complete a college program in dental technology or four or more years of on-the-job training under the supervision of a registered dental technologist or technician.
- Registration with a regulatory body is required for dental technologists and technicians in all provinces except in Manitoba and the territories.

**3212 Medical technologists and technicians**

This minor group comprises medical technologists and technicians, including medical laboratory technologists; medical radiation technologists; medical sonographers; cardiology technologists and electrophysiological diagnostic technologists; pharmacy technicians; and other medical technologists and technicians. They are employed by medical, radiological, and animal research laboratories; hospitals, clinics, extended and long-term care facilities, nursing homes, and public health and cancer treatment centres; respiratory home care, and pharmaceutical companies; retail and hospital pharmacies; pharmaceutical and prosthetic device manufacturers; custom ocular prosthetic, prosthetics, and orthotics laboratories; fast food outlets, cafeterias, schools, and health care and commercial food service establishments; animal hospitals, veterinary clinics, animal shelters, and zoos; colleges and universities, research facilities, and government, or they may be self-employed.

**32120 Medical laboratory technologists**

Medical laboratory technologists conduct medical laboratory tests, experiments and analyses to assist in the diagnosis, treatment, monitoring and prevention of disease. They are employed in medical laboratories

in hospitals, blood banks, community and private clinics, research facilities and post-secondary educational institutions. Medical laboratory technologists who are supervisors are included in this unit group.

#### *Illustrative example(s)*

- clinical genetics technologist
- cytogenetics technologist - medical laboratory
- histology technologist
- medical laboratory cytotechnologist
- medical laboratory technologist
- medical laboratory technologists supervisor

#### *Exclusion(s)*

- Biological technologists and technicians (22110)
- Chemical technologists and technicians (22100)
- Medical laboratory assistants and related technical occupations (33101)

#### *Main duties*

This group performs some or all of the following duties:

- Set up, operate and maintain laboratory equipment
- Conduct and interpret chemical analyses of blood, urine, and cerebrospinal and other body fluids
- Study blood cells and other tissues to determine their relation to various physiological and pathological conditions
- Prepare tissue sections for microscopic examinations using techniques to demonstrate special cellular tissue elements or other characteristics
- Perform and interpret blood group, type and compatibility tests for transfusion purposes
- Validate, document and report test results
- Establish procedures for the analysis of specimens and for medical laboratory experiments
- Conduct quality control assessment of testing techniques
- May supervise and train other medical laboratory technical staff, students and helpers
- May assist pathologists during autopsies.

Medical laboratory technologists may specialize in areas such as clinical chemistry, clinical microbiology, hematology, histotechnology, transfusion medicine or immunohematology, cytotechnology, cytogenetics and molecular genetics.

#### *Employment requirements*

- A two- or three-year college program in medical laboratory technology is required and a period of supervised practical training may be required.
- Registration with a regulatory body is required in Newfoundland and Labrador, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, and Alberta.
- Certification by the Canadian Society for Medical Laboratory Science is usually required by employers.
- Combined laboratory and X-ray technicians require completion of a combined laboratory X-ray technology program.
- Some employers may require a university science degree for specialized medical laboratory technologists.

### *Additional information*

- In Quebec medical laboratory technologists are referred to as les technologistes médicaux and are regulated by l'Ordre professionnel des technologistes médicaux du Québec (OPTMQ).

## **32121 Medical radiation technologists**

Medical radiation technologists operate radiographic and radiation therapy equipment to administer radiation treatment and produce images of body structures for the diagnosis and treatment of injury and disease. They are employed in hospitals, cancer treatment centres, clinics, radiological laboratories, colleges and universities. Medical radiation technologists who are supervisors or instructors are included in this unit group.

### *Illustrative example(s)*

- mammography technician
- nuclear medicine clinical instructor
- nuclear medicine technologist
- nuclear medicine technologists supervisor
- radiation oncology technologist
- radiation therapist
- radiation therapy clinical instructor
- radiation therapy technologist (RTT)
- radiography technologist
- radiological technologist
- radiotherapy technician
- X-ray (radiology) technician

### *Inclusion(s)*

- diagnostic imaging technologist
- magnetic resonance imaging (MRI) technologist

### *Exclusion(s)*

- Animal health technologists and veterinary technicians (32104)
- Cardiology technologists and electrophysiological diagnostic technologists (32123)
- Medical laboratory technologists (32120)
- Medical sonographers (32122)
- Other medical technologists and technicians (32129)
- Pharmacy technicians (32124)
- Respiratory therapists, clinical perfusionists and cardiopulmonary technologists (32103)

### *Main duties*

This group performs some or all of the following duties:

#### Radiological technologists

- Operate X-ray, radiographic and fluoroscopic equipment, computerized tomography (CT) scanners, mammography units and magnetic resonance imaging (MRI) scanners to produce radiographs or anatomic images of the human body for the diagnosis by radiologists of disease or injury

- Record and process patient data
- Perform basic verification and quality control checks on radiographic and film processing equipment
- Provide appropriate care and monitoring of the patient during the radiographic examination
- Explain procedures, position patient and equipment and apply radiation protection measures
- May train and supervise student radiographers or supervise other radiological technologists.

Radiological technologists may specialize in areas such as computerized tomography, angiography, mammography, magnetic resonance imaging, interventional radiology, dosimetry, stereotaxy or brachytherapy.

#### Nuclear medicine technologists

- Prepare and administer radiopharmaceuticals, such as radionuclides and other tracer materials to patients or to biological samples
- Operate radiation detection equipment, such as gamma cameras, scanners, scintillation counters, tomodesitometers and ionization chambers, to acquire data for use by nuclear medicine physicians in the diagnosis of disease
- Perform diagnostic procedures using radioactive materials on biological specimens, such as blood, urine and faeces
- Record and process results of procedures
- Check equipment to ensure proper operation
- Provide appropriate care and monitoring of the patient during the examination
- Apply radiation protection measures
- May train and supervise student nuclear medicine technologists or supervise other nuclear medicine technologists.

#### Radiation therapists

- Operate linear accelerators, cobalt 60, X-ray and other radiation therapy equipment to administer radiation treatment prescribed by radiation oncologists
- Check radiation therapy equipment to ensure proper operation
- Assist radiation oncologists and clinical physicists with preparation of radiation treatment plan
- Assist in the preparation of sealed radioactive materials such as cobalt, radium, cesium and isotopes and the construction of devices such as plaster casts and acrylic moulds to assist with administration of radiation treatment
- Provide appropriate care and monitoring of the patient's physical and psychological well-being during the entire course of treatment
- Explain procedures and side effects of radiation
- May train and supervise student radiotherapy technologists or supervise other radiotherapy technologists.

#### *Employment requirements*

- Completion of a two- to three-year college, hospital or other approved program in diagnostic radiography or magnetic resonance imaging (for radiological technologists and magnetic resonance technologists), nuclear medicine technology (for nuclear medicine technologists) or radiation therapy (for radiation therapists) or  
A bachelor of health sciences in radiography, nuclear medicine or radiation therapy  
and  
A period of supervised practical training are required.
- Licensure with a regulatory body is required in Nova Scotia, New Brunswick, Quebec, Ontario, Saskatchewan and Alberta.

- Membership with a provincial association is required in Newfoundland and Labrador, Prince Edward Island and Manitoba.
- Certification by the Canadian Association of Medical Radiation Technologists is required in all provinces except Quebec and British Columbia.

*Additional information*

- There is no mobility between the three types of medical radiation technologists without further training.
- Experience as a medical radiation technologist is required for supervisors and instructors.

### **32122 Medical sonographers**

Medical sonographers operate ultrasound equipment to produce and record images of various parts of the body to aid physicians in monitoring pregnancies and in diagnosing cardiac, ophthalmic, vascular and other medical disorders. They are employed in clinics and hospitals. Medical sonographers who are supervisors or instructors are included in this unit group.

*Illustrative example(s)*

- diagnostic medical sonography instructor
- medical sonographer
- medical sonographers supervisor
- registered diagnostic medical sonographer (RDMS)
- ultrasound technologist

*Exclusion(s)*

- Medical radiation technologists (32121)

*Main duties*

This group performs some or all of the following duties:

- Operate ultrasound imaging equipment that transmits high frequency sound pulses through the body to produce images of those parts of the body requiring examination
- Monitor examination by viewing images on video screen, to evaluate quality and consistency of diagnostic images, and make adjustments to equipment, as required
- Record, store and process scanned images by using camera unit connected to ultrasound equipment
- Observe and care for patients throughout examinations to ensure patient safety and comfort
- Prepare examination reports for physicians to aid in the monitoring of pregnancies and the diagnosis of cardiac, abdominal, ophthalmic, vascular and other disorders
- Perform quality control checks on ultrasound equipment to ensure proper operation and perform minor repairs and adjustments as required
- May supervise and train students and other medical sonographers.

Medical sonographers may specialize in abdominal, cardiac, cerebral, obstetrical and gynaecological, ophthalmic, intraluminal or peripheral vascular sonography. They may also specialize in adult or pediatric echocardiography or neurosonology.

*Employment requirements*

- Completion of a three- to four-year program in diagnostic medical sonography or ultrasound technology or completion of a two- to three-year program in a related allied health field and a one-year post-diploma program in diagnostic medical sonography from an accredited institution are required.
- Registration with Sonography Canada and/or the American Registry of Diagnostic Medical Sonographers is usually required by employers.
- Registration with l'Ordre des technologues en imagerie médicale, en radio-oncologie et en électrophysiologie médicale du Québec is required in Quebec.
- Registration with the College of Medical Radiation Technologists of Ontario (CMRTO) is required in Ontario.

*Additional information*

- Membership in the Canadian Society of Diagnostic Medical Sonographers is available but voluntary.

**32123 Cardiology technologists and electrophysiological diagnostic technologists**

Cardiology technologists operate electrocardiogram equipment and use medical imaging technologies to record cardiac activity of patients to aid in the diagnosis, monitoring and treatment of heart disease. Electrophysiological diagnostic technologists operate electroencephalographic, electromyographic and other electrophysiological diagnostic equipment to assist physicians in diagnosing diseases, injuries and abnormalities. Cardiology technologists and electrophysiological diagnostic technologists who are supervisors or instructors are included in this unit group. They are employed in clinics, hospitals and medical laboratories.

*Illustrative example(s)*

- cardiac stress technologist
- cardiology supervisor
- cardiology technologist
- electrocardiographic (ECG) technologist
- electrocardiography technologist
- electroencephalograph (EEG) technologist
- electromyography (EMG) technologist
- electroneurodiagnostic (END) technologist
- electroneurophysiology (ENP) technologist

*Inclusion(s)*

- cardiac catheterization technologist
- cardiovascular technician
- cardiovascular technologist

*Exclusion(s)*

- Cardiology nurse technician (See 31301-Registered nurses and registered psychiatric nurses)
- Cardiovascular perfusionist (See 32103-Respiratory therapists, clinical perfusionists and cardiopulmonary technologists)

### *Main duties*

This group performs some or all of the following duties:

#### Cardiology technologists

- Operate electrocardiogram and other electronic equipment to record cardiac activity of patients
- Perform non-invasive cardiovascular procedures and tests, such as electrocardiograms, exercise tolerance tests, ambulatory monitoring and scanning of tapes, holter arrhythmia scanning, pacemaker analysis and follow-up
- Record and assess cardiac activity and provide preliminary reports of tests
- Provide patients with care during procedures and tests
- Prepare reports for interpretation by cardiologists
- Reprogram pacemakers according to required standards
- Check, calibrate and perform routine maintenance of cardiology equipment to ensure proper operation
- May analyze tests and notify physician or other health care professionals of abnormalities
- May administer certain drugs under direct supervision of physician
- May document and record pacemaker implant threshold measurements under direct supervision of cardiac surgeon
- May supervise and train students, other cardiology technologists and nurses.

#### Electrophysiological technologists

- Review patient's case history and assess nature of problem to determine procedures and tests required
- Attach diagnostic equipment to patients and ensure their comfort and safety
- Operate diagnostic equipment such as electroencephalographic and evoked potential equipment to record the electrical activity of the brain and cranial and central nervous systems
- Operate electromyographic equipment to conduct electrophysiological nerve conduction velocity tests and to assist physicians in conducting electrophysiological tests such as muscle strength and repetitive stimulation
- Take notes on the recorded graph to identify interference such as poor electrode contact or patient movement
- Prepare recordings and reports of findings for physicians to aid in the diagnosis of neurological disorders
- Check, calibrate and perform routine maintenance of diagnostic equipment
- Train and supervise students, technicians or other electroencephalograph technologists.

### *Employment requirements*

- Cardiology technologists require completion of a two-year college diploma program in cardiology technology and Supervised practical training.
- Cardiology technologists require registration with the Canadian Society of Cardiology Technologists in all provinces except Quebec.
- Electroencephalograph and other diagnostic technologists require completion of a two-year college or hospital-based program in electrophysiology technology and Supervised practical training.
- Registration with the Canadian Board of Electroencephalograph Technologists is available for electroencephalograph technologists; it is required in Alberta and is usually required by employers in other provinces.



- Registration with the Association of Electromyography Technologists of Canada is available for electromyography technologists and is usually required by employers.
- Registration with l'Ordre des technologues en imagerie médicale, en radio-oncologie et en électrophysiologie médicale du Québec is required for cardiology technologists and electrophysiological technologists in Quebec.

### **32124 Pharmacy technicians**

Pharmacy technicians perform technical functions relating to prescriptions including gathering patients' information, product preparation, product distribution and inventory control. They work closely with pharmacists to provide pharmaceutical care to clients. Pharmacy technicians are employed in retail and hospital pharmacies, long-term care facilities and by pharmaceutical manufacturers. Pharmacy technicians who are supervisors are included in this unit group.

#### *Illustrative example(s)*

- pharmacy technician
- pharmacy technician supervisor

#### *Exclusion(s)*

- Pharmacy clerk (See 64100-Retail salespersons and visual merchandisers)
- Pharmacy technical assistants and pharmacy assistants (33103)

#### *Main duties*

This group performs some or all of the following duties:

- Assist pharmacists to maintain inventories of medications and prescription records of pharmaceutical products
- Assess prescriptions for completeness and ensure information is accurate
- Gather and enter client information in databases and prepare medications for clients in collaboration with pharmacists
- Compound pharmaceutical products such as intravenous injections, oral solutions, ointments and creams
- Process payment of prescriptions and other pharmacy services including direct billing to third party insurers
- Provide instructions on how to use health aids, and medical devices such as drug administration devices and monitoring devices
- May help with scheduling and workflow.

#### *Employment requirements*

- Pharmacy technicians usually require a two-year pharmacy technician college program or completion of a two- to three-year college program in pharmaceuticals and supervised practical training.
- Completion of the Pharmacy Examining Board of Canada (PEBC) certification exams is required for pharmacy technicians.
- Registration with a regulatory body is required for pharmacy technicians in all provinces except Quebec.

#### *Additional information*

- Pharmacy technicians may progress to supervisory positions with experience.

## 32129 Other medical technologists and technicians

Other medical technologists and technicians includes medical technologists and technicians, such as dietary technicians, ocularists, prosthetists, orthotists, prosthetic technicians and orthotic technicians. Dietary technicians are employed in health care and commercial food service establishments such as hospitals, extended care facilities, nursing homes, schools, cafeterias and fast food outlets. Ocularists are employed in custom ocular prosthetic laboratories, or they may be self-employed. Prosthetists, orthotists and prosthetic and orthotic technicians are employed in hospitals, clinics, prosthetics and orthotics laboratories, and prosthetic device manufacturing companies. Prosthetists and orthotists may also be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- dietary technician
- food and nutrition technician - dietetics
- ocularist
- ocularist technician
- orthotic technician
- orthotist
- prosthetic technician
- prosthetist

### *Exclusion(s)*

- Animal health technologists and veterinary technicians (32104)
- Cardiology technologists and electrophysiological diagnostic technologists (32123)
- Medical laboratory assistants and related technical occupations (33101)
- Medical laboratory technologists (32120)
- Medical radiation technologists (32121)
- Medical sonographers (32122)
- Other technical occupations in therapy and assessment (32109)
- Pharmacy technicians (32124)
- Respiratory therapists, clinical perfusionists and cardiopulmonary technologists (32103)

### *Main duties*

This group performs some or all of the following duties:

#### Dietary technicians

- Assist dietitians or nutritionists to plan and supervise food service operations
- Plan menus and diet for individuals or groups under the direction of a dietitian or nutritionist
- Assist in the supervision of personnel who prepare and serve food
- Help patients select menu items
- Assist dietitians with research in food, nutrition and food service systems.

#### Ocularists

- Design, fabricate and fit ocular prostheses and conformers, and may design and fabricate implants
- Paint the iris and pupil of artificial eyes
- Clean and restore ocular prostheses

- Advise patients concerning the loss of depth perception and the care and use of ocular prostheses
- Repair and maintain fabrication and laboratory equipment
- Consult with ophthalmologists concerning insertion of ocular prostheses.

#### Prosthetists and orthotists

- Design, fabricate and fit prosthetic and orthotic appliances such as artificial limbs, braces or supports
- Interpret physicians' specifications and examine and measure patients to develop working sketches of appliances
- Make and modify plaster casts of areas to receive prostheses or orthoses
- Fit, adjust and repair appliances
- Advise patients in the use and care of prostheses and orthoses
- Supervise and direct the activities of prosthetic and orthotic technicians.

#### Prosthetic and orthotic technicians

- Assemble or build prosthetic and orthotic appliances according to drawings, measurements and plaster casts using a variety of materials such as metals, plastics and leathers
- Repair, rebuild and modify prosthetic and orthotic appliances or orthopaedic footwear
- May take the body or limb measurements of patients.

#### *Employment requirements*

- Dietary technicians require completion of a two- to three-year college program in dietary technology and supervised practical training.
- Ocularists require completion of the education program of the American Society of Ocularists and supervised practical training or a five-year supervised practical training program under a certified ocularist.
- Certification by the National Examining Board of Ocularists is usually required.
- Prosthetists and orthotists require a two-year college program in prosthetics and orthotics technology and three years of supervised practical training.
- Certification by the Canadian Board of Certification of Prosthetists and Orthotists (CBCPO) may be required.
- Prosthetic and orthotic technicians usually require a two- to three- year college program in prosthetics and orthotics and one to two years of supervised practical training or completion of secondary school and up to four years of supervised practical training under a certified prosthetist or orthotist.
- Registration with the Canadian Association of Prosthetists and Orthotists (CAPO) may be required.

#### *Additional information*

- Prosthetic and orthotic technicians may become certified prosthetists or orthotists with an additional two years of experience as a registered prosthetic or orthotic technician and completion of certification examinations by the Canadian Board of Certification of Prosthetists and Orthotists.

## **322 Practitioners of natural healing**

This sub-major group comprises practitioners of natural healing, including traditional Chinese medicine practitioners and acupuncturists, massage therapists, and other practitioners of natural healing.

### **3220 Practitioners of natural healing**

This minor group comprises practitioners of natural healing, including traditional Chinese medicine practitioners and acupuncturists, massage therapists, and other practitioners of natural healing. They work in private

practice, and in the private practices of the professionals they assist; and are employed by optical retail outlets, and optical dispensing departments; clinics, hospitals, nursing homes, extended care facilities, and rehabilitation and community health centres; health clubs, spas, and private homes; government departments and agencies; and educational institutions.

### **32200 Traditional Chinese medicine practitioners and acupuncturists**

Traditional Chinese medicine practitioners and acupuncturists assess, treat and prevent diseases, conditions, disorders or imbalances of patients' using various forms of treatment including acupuncture, herbology or other holistic health approaches. They usually work in private practice, including group or team practices, clinics, extended care facilities, rehabilitation centres and health clubs.

#### *Illustrative example(s)*

- acupuncturist
- traditional Chinese medicine practitioner

#### *Exclusion(s)*

- Chiropractors (31201)
- Doctor of osteopathic medicine (See 31209-Other professional occupations in health diagnosing and treating)
- Massage therapists (32201)
- Midwife (See 31303-Physician assistants, midwives and allied health professionals)
- Naturopathic physician (See 31209-Other professional occupations in health diagnosing and treating)
- Other practitioners of natural healing (32209)
- Physiotherapists (31202)

#### *Main duties*

This group performs some or all of the following duties:

##### Traditional Chinese medicine practitioners

- Diagnose within the framework of Traditional Chinese Medicine the diseases, physiological disorders and injuries of patients
- Explain procedures, risks and benefits of treatments to patients
- Prescribe and administer treatment such as acupuncture, electro-acupuncture, Transcutaneous Electrical Nerve Stimulation (TENS), scraping (Gua Sha), cupping therapy, moxibustion, acupressure, and auriculotherapy
- May prescribe and administer Chinese manipulative therapy (Tui Na), energy control therapy (Qi Gong) and laser therapy
- May suggest home care instructions and provide information about life therapies including energy control therapy (Qi Gong), Chinese shadow boxing (Tai Ji Quan) and Chinese food cure recipes (Shi Liao)
- Maintain patient records
- Prescribe and administer treatment using raw or granule herbs and other medicines or dietary supplements
- May collaborate with other health care professionals such as physiotherapists, chiropractors, physicians and psychologists when developing treatment plans for patients.

##### Acupuncturists

- Diagnose symptoms, imbalances, physiological disorders and injuries of patients according to Chinese medicine traditions

- Educate patients on risks and benefits of treatments
- Develop and implement treatment plans including acupuncture acupressure, moxibustion, cupping, scraping or electrical current
- Evaluate and document patients' progress
- May provide dietary and lifestyle advice including information on life therapies such as energy control therapy (Qi Gong)
- May develop treatment plans in collaboration with other health care professionals.

#### *Employment requirements*

- Traditional Chinese medicine practitioners usually require completion of a four- to five-year diploma program in traditional Chinese medicine from a private institute or completion of a program in traditional Chinese medicine from recognized medical schools abroad.
- Registration with a regulatory body is required for traditional Chinese medicine practitioners in Ontario and British Columbia, which includes completion of an approved registration examination.
- Acupuncturists usually require completion of a three- to four-year diploma program in acupuncture from a private institute or completion of some university undergraduate studies in science and training in a related health care discipline or work experience under the supervision of a registered acupuncturist.
- Registration with a regulatory body is required for acupuncturists in Newfoundland and Labrador, Quebec, Ontario, Alberta and British Columbia, which includes completion of an approved registration examination.

### **32201 Massage therapists**

Massage therapists assess soft tissues and joints of the body for treatment and prevention of dysfunction, injury, pain and physical disorders. They work in private practice, including group or team practices, hospitals, clinics, extended care facilities, rehabilitation centres and educational institutions.

#### *Illustrative example(s)*

- massage therapist (MT)
- registered massage practitioner
- registered massage therapist (RMT)

#### *Exclusion(s)*

- Medical technologists and technicians (3212)
- Other practitioners of natural healing (32209)
- Physiotherapy assistant (See 32109-Other technical occupations in therapy and assessment)
- Technical occupations in therapy and assessment (3210)
- Traditional Chinese medicine practitioners and acupuncturists (32200)

#### *Main duties*

This group performs some or all of the following duties:

- Assess clients by conducting range of motion and muscle tests and propose treatment plans
- Explain procedures, risks and benefits to clients
- Administer massage techniques, treating soft tissues and joints of the body through soft tissue manipulation, relaxation techniques, hydrotherapy, trigger point therapy, joint pain and lower grade mobilizations, remedial exercise programs and client self-help programs

- Suggest home care instructions and provide information about techniques for further postural improvement and stretching, strengthening, relaxation and rehabilitative exercises
- Maintain records of treatments given
- May consult with other health care professionals such as physiotherapists, chiropractors, physicians and psychologists when developing treatment plans for clients.

Massage therapists may be trained in various specialized massage techniques.

#### *Employment requirements*

- Massage therapists usually require completion of an 18- to 24-month or 18- to 36-month program in massage therapy from an accredited school and  
A period of supervised practical training.
- Registration with a regulatory body is required in Newfoundland and Labrador, Ontario and British Columbia.

### **32209 Other practitioners of natural healing**

Practitioners of natural healing provide health care to patients using various forms of treatment including herbology, reflexology or relaxation techniques to promote, maintain and restore the holistic health of patients. They usually work in private practice, including group or team practices, or are employed by clinics, health clubs and spas.

#### *Illustrative example(s)*

- aromatherapist
- ayurvedic practitioner
- herbalist
- holistic nutritionist
- holistic practitioner
- homeopath
- hypnotherapist
- naturotherapist
- osteopathic manual practitioner
- reflexologist
- rolfers

#### *Exclusion(s)*

- Dietitians and nutritionists (31121)
- Doctor of osteopathic medicine (See 31209-Other professional occupations in health diagnosing and treating)
- Manual arts therapist (See 32109-Other technical occupations in therapy and assessment)
- Massage therapists (32201)
- Midwife (See 31303-Physician assistants, midwives and allied health professionals)
- Naturopathic physician (See 31209-Other professional occupations in health diagnosing and treating)
- Traditional Chinese medicine practitioners and acupuncturists (32200)

*Main duties*

This group performs some or all of the following duties:

**Herbalists**

- Assess patients and advise them on the use of herbs for the treatment of conditions such as arthritis, rheumatism, asthma, skin disorders and stomach ailments
- May cultivate herbs and manufacture and sell herbal compounds.

**Osteopathic manual practitioners**

- Assess, treat and manage musculoskeletal and other related disorders of the body's structure by moving, stretching, and massaging a patients' muscles and joints to correct biomechanical dysfunctions.

**Homeopaths**

- Assess illnesses and treat them by administering, in chemical or herbal form, a small dosage of a remedy made from natural substances or by suggesting lifestyle changes.

**Reflexologists**

- Assess clients' physical, mental and emotional health
- Provide advice and feedback to support clients' wellbeing
- Apply gentle pressure with thumb and fingers to stimulate specific reflex points or areas, usually on the clients' feet, hands, ears and/or face to relieve tension, improve circulation, and promote better health and well-being.

**Holistic nutritionists**

- Evaluate the overall health and wellness of clients and recommend nutritional and life style adjustments to address their health issues and to support health goals.

**Naturopathists**

- Assess and treat illness and injury through the use of holistic approaches such as herbal remedies, massage, as well as counselling in nutrition and exercise.

*Employment requirements*

- Homeopaths usually require completion of a three-year diploma program in homeopathy.
- Registration with a regulatory body is required for homeopaths in Ontario.
- Other occupations in this unit group usually require completion of training programs specific to their type of practice and some supervised practical training.

**33 Assisting occupations in support of health services**

This major group comprises assisting occupations in support of health services. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

### 331 Assisting occupations in support of health services

This sub-major group comprises assisting occupations in support of health services, including dental assistants and dental laboratory assistants; medical laboratory assistants and related technical occupations; nurse aides, orderlies and patient service associates; pharmacy technical assistants and pharmacy assistants; and other assisting occupations in support of health services.

#### 3310 Assisting occupations in support of health services

This minor group comprises assisting occupations in support of health services, including dental assistants and dental laboratory assistants; medical laboratory assistants and related technical occupations; nurse aides, orderlies and patient service associates; pharmacy technical assistants and pharmacy assistants; and other assisting occupations in support of health services. They are employed by hospitals, clinics, community health centres, nursing homes, assisted care facilities, and other health care establishments; dentists' offices, and the offices of other health care professionals; pharmacies, and optical retail stores; optical and medical pathology laboratories; and educational institutions.

#### 33100 Dental assistants and dental laboratory assistants

Dental assistants assist dentists, dental hygienists and dental therapists during the examination and treatment of patients and perform clerical functions. Dental laboratory assistants assist dental technologists and technicians in preparing and fabricating dentures and other dental devices. Dental assistants work in dentists' offices, community health centres, clinics and in educational institutions. Dental laboratory assistants are employed in dental laboratories.

##### *Illustrative example(s)*

- ceramic denture moulder
- certified dental assistant
- certified intra-oral dental assistant
- dental assistant
- dental laboratory assistant
- denture finisher
- denture wax pattern former
- orthodontic band maker
- registered dental assistant

##### *Inclusion(s)*

- dental aide

##### *Exclusion(s)*

- Dental hygienists and dental therapists (32111)
- Dental technologists and technicians (32112)

##### *Main duties*

This group performs some or all of the following duties:

##### Dental assistants

- Prepare patients for dental examination and assist the dentist during examinations and dental treatments
- Sterilize and maintain instruments and equipment



- Prepare dental instruments, fillings compound and various dental materials
- Take and develop X-rays
- Polish teeth and clinical crowns and apply fluoride and sealant
- Take preliminary impressions for diagnostic casts
- Educate patients concerning oral hygiene
- Perform clerical duties such as prepare invoices, process payments, schedule patient appointments, record dental procedures performed and order dental and office supplies
- May perform intra-oral duties such as remove sutures, take and record vital signs, apply desensitizing agents, topical anaesthetic, anticariogenic agents and coronal whitening, fabricate, place, and remove temporary crowns and restorations, and apply and remove rubber dams
- May also perform pulp vitality testing as well as periodontal screening and recording.

#### Dental laboratory assistants

- Prepare plaster models and moulds from dental impressions
- Prepare wax bite-blocks and impression trays
- Cast gold or metal alloys for bridges and denture bases
- Pack plastic material in moulds to form full or partial dentures
- Mould wax over denture set-up to form full contours of artificial gums
- Make orthodontic bands from gold, silver, stainless steel or other metals
- Finish metal framework of dentures and polish and buff dentures to obtain natural finish.

#### *Employment requirements*

- Dental assistants require completion of an eight-month to one-year college or other program in dental assistance or completion of secondary school with on-the-job training.
- Registration with a regulatory body is required in all provinces except Quebec and Ontario.
- Certification by the National Dental Assisting Examination Board is required to perform intra-oral duties in all provinces except in Quebec, where intra-oral duties are not performed by dental assistants.
- Dental laboratory assistants usually require secondary school and up to two years of on-the-job training.

#### *Additional information*

- In some provinces there are two levels of dental assistants: Level I - chair-side assistant and Level II - intra-oral assistant. Progression from Level I to Level II is possible with education, training and licensure.
- Dental laboratory assistants may progress to dental technologist and technician positions with training, experience and registration.

### **33101 Medical laboratory assistants and related technical occupations**

Medical laboratory assistants and workers in related technical occupations perform pre-analysis and pre-testing tasks such as collecting blood and other samples, processing specimens, and preparing special chemicals called reagents for use in testing. They conduct routine medical laboratory tests and set up, clean and maintain medical laboratory equipment. They are employed in medical laboratories in hospitals, clinics, research facilities, post-secondary educational institutions and government research laboratories.

#### *Illustrative example(s)*

- medical laboratory aide
- medical laboratory assistant

- medical laboratory technician
- phlebotomist
- phlebotomy aide

*Inclusion(s)*

- blood bank technician
- renal technician

*Exclusion(s)*

- Biological technologists and technicians (22110)
- Chemical technologists and technicians (22100)
- Medical laboratory technologists (32120)

*Main duties*

This group performs some or all of the following duties:

- Collect, label, sort and prepare blood, tissue and other samples from patients
- Log and validate patient samples and prepare them for testing
- Set up medical laboratory equipment
- Prepare chemical reagents to be combined with biological samples for testing
- Conduct routine laboratory tests and sample analyses
- Perform quality assurance of testing techniques and record results
- Clean and maintain medical laboratory and medical laboratory equipment.

*Employment requirements*

- Medical laboratory assistants and related technical workers require completion of a college certificate program in medical laboratory science.
- Certification by the Canadian Society for Medical Laboratory Science is usually required by employers.

*Additional information*

- Some employers may require medical laboratory technicians to have a diploma.
- Medical laboratory technicians may progress to supervisory or technologist positions with a combination of additional education, training and experience.

### **33102 Nurse aides, orderlies and patient service associates**

Nurse aides, orderlies and patient service associates assist nurses, hospital staff and physicians in the basic care of patients. They are employed in hospitals, nursing homes, assisted care facilities for the elderly and other health care establishments. Emergency medical care attendant are employed by private ambulance services, urgent care centers or other health facilities.

*Illustrative example(s)*

- health care aide
- hospital attendant
- long term care aide

- nurse aide
- nursing attendant
- orderly
- patient care aide
- patient service associate
- personal care attendant - medical
- psychiatric aide
- resident care aide - medical

#### *Inclusion(s)*

- emergency medical care attendant (non-paramedical)
- emergency medical responder (non-paramedical)
- first aid attendant
- medical attendant - patient transfer

#### *Exclusion(s)*

- Emergency medical assistant (See 32102-Paramedical occupations)
- Emergency medical attendant (See 32102-Paramedical occupations)
- Licensed practical nurses (32101)
- Other assisting occupations in support of health services (33109)
- Personal care attendant - home care (See 44101-Home support workers, caregivers and related occupations)

#### *Main duties*

This group performs some or all of the following duties:

- Answer call signals; supply and empty bed pans; bathe, dress and groom patients; serve meal trays, feed or assist in feeding of patients and assist patients with menu selection; weigh, lift, turn, and position patients; shave patients prior to operations; supervise patients' exercise routines, set up and provide leisure activities for patients, accompany patients on outside recreational activities and perform other duties related to patient care and comfort
- Take patients' blood pressure, temperature and pulse; report or record fluid intake and output; observe or monitor patients' status and document patient care on charts; collect specimens such as urine, faeces or sputum; administer suppositories, colonic irrigations and enemas and perform other procedures as directed by nursing and hospital staff
- Administer, in emergency situations, first aid to injured or ill individuals within the scope of competencies
- Transport patients by wheelchair or stretcher for treatment or surgery
- Carry messages, reports, requisitions and specimens between departments
- Make beds and maintain patients' rooms
- Maintain inventory of supplies
- May perform maintenance tasks such as assisting with the set-up and maintenance of traction equipment, cleaning or sterilizing equipment, maintaining and repairing equipment, and assembling, setting-up and operating job-related equipment
- May transport patients between care facilities.

### *Employment requirements*

- Some secondary school education and on-the-job training or a personal support worker, nursing aide or health care aide college or private institutional program, or a college nursing orderly program and supervised practical training are required.
- Completion of specialized courses such as cardiopulmonary resuscitation (CPR) and first aid is usually required.
- An appropriate class of driver's licence may be required for medical attendants.

## **33103 Pharmacy technical assistants and pharmacy assistants**

Pharmacy technical assistants perform technical tasks related to preparing medications under a pharmacist's supervision. They also assist in filling prescriptions and managing patient files. Pharmacy assistants perform clerical functions and assists pharmacists and pharmacy technicians with drug dispensing tasks. Pharmacy technical assistants and pharmacy assistants are employed in retail and hospital pharmacies, long-term care facilities and by pharmaceutical manufacturers.

### *Illustrative example(s)*

- pharmacy aide
- pharmacy assistant
- pharmacy technical assistant

### *Exclusion(s)*

- Pharmacy clerk (See 64100-Retail salespersons and visual merchandisers)
- Pharmacy technicians (32124)

### *Main duties*

This group performs some or all of the following duties:

- Assess prescriptions for completeness
- Enter clients' information and prescription details in databases
- Help pharmacists and other pharmacy staff with preparing, packaging and labelling of pharmaceutical products
- Assist in maintaining inventories of medications and pharmaceutical products
- Compound oral solutions, ointments and creams
- May process medical billing information
- May price and stock items on shelves.

### *Employment requirements*

- Pharmacy technical assistants usually require completion of up to two-years of a Pharmacy Technical Assistance vocational program.
- Pharmacy assistants usually require completion of a Pharmacy Assistant college program, ranging from six to twelve months or completion of secondary school and several months of on-the-job training.

## **33109 Other assisting occupations in support of health services**

Other assisting workers in support of health services provide services and assistance to health care professionals and other health care staff. They are employed in hospitals, medical clinics, offices of health care professionals, nursing homes, optical retail stores and laboratories, and medical pathology laboratories.

*Illustrative example(s)*

- audiometric assistant
- audiometric technician
- autopsy assistant
- blood donor clinic assistant
- cast room technician
- chiropractic assistant
- clinical laboratory helper
- medical device reprocessing technician
- morgue attendant
- ophthalmic assistant
- ophthalmic laboratory technician - retail
- ophthalmic lens grinder
- ophthalmologist assistant
- optical laboratory assistant
- optometrist assistant
- orthopedic technologist
- rehabilitation aide
- therapy aide

*Exclusion(s)*

- Medical laboratory assistants and related technical occupations (33101)
- Medical technologists and technicians (3212)
- Operating room technician (See 32101-Licensed practical nurses)
- Other technical occupations in therapy and assessment (32109)
- Pathologists' assistant (See 31303-Physician assistants, midwives and allied health professionals)

*Main duties*

This group performs some or all of the following duties:

*Audiometric technicians*

- Under the supervision of audiologists, administer tests such as pure tone hearing screening, impedance tests and noise level measurements using equipment such as audiometers and sound level meters to determine hearing thresholds of patients
- Instruct patients on test procedures and record results
- Monitor, check and calibrate auditory equipment
- May take earmold impressions and fit and adjust hearing instruments.

*Orthopedic technologists*

- Assist orthopedic surgeons in the treatment of orthopedic diseases and injuries by applying and adjusting casts, splints, bandages and other orthopedic devices
- Assist in the application, maintenance and adjustment of traction equipment
- Clean and dress wounds

- Remove casts, sutures, staples and pins
- Instruct patients and their families and other health care professionals with respect to orthopedic matters.

#### Rehabilitation aides

- Prepare and maintain equipment and supplies
- Assist in activities for the rehabilitation of patients as directed by health care professionals
- May perform routine office functions.

#### Ophthalmic assistants

- Take patients' general medical and ophthalmic history
- Operate ophthalmic testing and measuring instruments to aid ophthalmologists in assessing patients' vision
- Instruct patient on diagnostic test and record results
- Assist ophthalmologists in minor office surgery
- Administer eye drops, ointments and medications as directed by ophthalmologists
- Clean and maintain ophthalmic instruments and equipment
- Perform various administrative duties.

#### Optical/ophthalmic laboratory technicians and assistants

- Operate laboratory equipment to grind, cut, polish and edge lenses for eyeglasses according to prescriptions received and fit lenses into frames
- Make minor repairs for customers such as replacing frame screws or straightening frames
- Maintain and repair optical laboratory equipment or machinery.

#### Sterile processing technicians

- Operate and maintain sterilization equipment such as instrument washers, sonic sinks, cart washers and steam autoclaves to clean and disinfect trays, carts, linens, supplies, instrumentation and equipment for re-use according to standardized safety practices
- Reassemble equipment and assemble packs of sterile supplies and instruments for delivery to hospital departments.

#### Blood donor clinic assistants

- Set up and dismantle equipment
- Prepare and maintain cleanliness of collection areas
- Maintain supplies
- Monitor donors throughout procedure and assist with post-donation care and donor reaction care as assigned under the supervision of a registered nurse
- Record information on donors
- Label and process donated blood.

#### Morgue attendants

- Assist pathologists at autopsies by laying out surgical instruments
- Prepare solutions for preservation of specimens
- Transfer bodies from morgue to examining table
- Remove organs and tissue specimens, as instructed by attending pathologist, and placing them in preservative solutions
- Clean and sew up bodies for release to funeral home.

*Employment requirements*

- Audiometric technicians usually require a specialization in industrial audiometry testing.
- Orthopedic technologists usually require completion of secondary school and several months of on-the-job training or a college orthopedic technologist program.
- Registration with the Canadian Society of Orthopaedic Technologists is available and may be required by employers.
- Ophthalmic assistants require completion of a six to twelve month ophthalmic assistants college program or a minimum of one year of on-the-job training under the supervision of an ophthalmologist, and completion of an approved ophthalmic assistant home study program.
- Certification by the Joint Commission on Allied Health Personnel in Ophthalmology may be required by employers.
- Health care courses or short-term college programs related to the work of medical therapy aides, such as recreational therapy programs, are available and may be required by employers.
- Sterile processing technicians require completion of secondary school and a six- to nine-month sterile processing college program.
- Completion of secondary school and several months of on-the-job training are usually required for other assisting occupations in this unit group.

*Additional information*

- Ophthalmic assistants may progress to ophthalmic technician positions with training and experience.
- Certified Ophthalmic Assistants may also have additional specialty certification such as Registered Ophthalmic Ultrasound Biometrist (ROUB) or Certified Diagnostic Ophthalmic Sonographer (CDOS).

## 4 Occupations in education, law and social, community and government services

This broad category comprises managers in public administration, in education and social and community services and in public protection services, as well as occupations concerned with teaching, law, counselling, conducting social science research, developing government policy, and administering government and other programs, and related support occupations.

### 40 Managers in public administration, in education and social and community services and in public protection services

This major group comprises managers in public administration, in education and social and community services and in public protection services. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

### 400 Managers in public administration, in education and social and community services and in public protection services

This sub-major group comprises managers in public administration; in education services; in social, community and correctional services; and in public protection services.

#### 4001 Managers in public administration

This minor group comprises managers in public administration, including government managers in health and social policy development and program administration; government managers in economic analysis, policy development and program administration; government managers in education policy development and program administration; and other managers in public administration. They are employed by government departments, agencies, and legislative bodies.

#### 40010 Government managers - health and social policy development and program administration

Government managers in health and social policy development and program administration plan, organize, direct, control and evaluate the development and administration of health care policies, social policies and related programs designed to protect and promote the health and social welfare of individuals and communities. They are employed by all levels of government.

##### *Illustrative example(s)*

- city medical officer of health - government services
- health information and promotion director - government services
- health program operations manager - government services
- housing policy and development director - government services
- immigration and settlement director - government services
- social services director - government services
- social services planning manager - government services

##### *Exclusion(s)*

- Government managers - economic analysis, policy development and program administration (40011)
- Government managers - education policy development and program administration (40012)
- Managers in health care (30010)
- Managers in social, community and correctional services (40030)



- Other managers in public administration (40019)
- Policy and program researchers, consultants and officers (4140)
- Senior government managers and officials (00011)

### *Main duties*

This group performs some or all of the following duties:

- Participate in the development of health or social policies by providing advice to senior government managers
- Organize departmental unit and establish procedures to meet departmental objectives set by senior management
- Direct and advise health or social policy researchers, consultants or program officers who conduct research, prepare documents or administer programs for individuals and communities in areas such as health and social services, employment and immigration, labour or housing
- Plan, administer and control budgets for research and administration, support services and equipment and supplies
- Organize and direct committees and working groups to plan, manage or evaluate health and social services projects and programs
- Interview, hire and provide training for staff.

### *Employment requirements*

Government managers in health policy development and program administration

- A bachelor's degree or college diploma in health science, hospital administration or public administration or a bachelor's degree in social science is required.
- A graduate degree in a health, social science or an administrative discipline may be required.
- Several years of experience as a health or social policy researcher, consultant or program officer are usually required.
- For some government managers in health policy development and program administration, certification in the relevant health profession is required. For example, city medical officers of health must be physicians.

Government managers in social policy development and program administration

- A bachelor's degree or a college diploma in a social science discipline, such as sociology or economics, or an administrative discipline, such as public administration, is required.
- A graduate degree in a social science or an administrative discipline may be required.
- Several years of experience as a social policy researcher, consultant or program officer are usually required.

### *Additional information*

- Progression to senior management positions in the health and social policy fields is possible with experience.

## **40011 Government managers - economic analysis, policy development and program administration**

Government managers in economic analysis, policy development and program administration plan, organize, direct, control and evaluate economic policy, research and programs in areas of government activity such as taxation, international trade, labour markets, transportation or agriculture. They also plan and direct policies and programs to promote industrial and commercial business development in urban and rural areas. They are employed by all levels of government.

*Illustrative example(s)*

- border services manager
- business development director - government services
- customs manager - government services
- economic analysis chief - government services
- economic development director - government services
- economic policy analysis director - government services
- energy market analysis director - government services
- excise tax programs director - government services
- farm products marketing director - government services
- forest resource analysis chief - government services
- grain market analysis manager - government services
- international trade policy manager - government services
- revenue programs manager - government services
- tax policy research manager - government services
- taxation manager
- tourism development manager - government services
- trade development director

*Exclusion(s)*

- Business development officers and market researchers and analysts (41402)
- Economists and economic policy researchers and analysts (41401)
- Financial managers (10010)
- Government managers - health and social policy development and program administration (40010)
- Labour policy analyst (See 41403-Social policy researchers, consultants and program officers)
- Policy and program researchers, consultants and officers (4140)
- Senior government managers and officials (00011)

*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the development of economic policy research projects and economic programs
- Participate in the development of departmental policies by providing advice to senior government managers
- Organize departmental unit and establish procedures to meet departmental objectives set by senior management
- Direct and advise economists and other professional staff who conduct economic research, prepare reports or administer programs in areas of government activity such as taxation, international trade, labour, transportation or agriculture
- Direct and advise economic development officers or other staff administering programs to promote industrial and commercial business investment in urban or rural areas
- Plan, administer and control research and administration budgets for projects, support services, equipment or supplies

- Organize and direct committees evaluating departmental or agency projects or programs
- Interview, hire and oversee training and professional development.

#### *Employment requirements*

- A bachelor's degree in economics, business administration, commerce or public administration is required.
- A master's degree in economics or a related field may be required.
- Several years of experience as an economist, economic development officer or socio-economic researcher are required.

#### *Additional information*

- Progression to senior management positions is possible with experience.

### **40012 Government managers - education policy development and program administration**

Government managers in education policy development and program administration plan, organize, direct, control and evaluate the development and administration of elementary, secondary and post-secondary education policies and programs. They are employed by all levels of government.

#### *Illustrative example(s)*

- education curriculum development director
- education director
- education policy analysis and research director
- education program administration manager
- school inspection director - public administration

#### *Exclusion(s)*

- Administrators - post-secondary education and vocational training (40020)
- Government managers - health and social policy development and program administration (40010)
- Policy and program researchers, consultants and officers (4140)
- School principals and administrators of elementary and secondary education (40021)
- Senior government managers and officials (00011)

#### *Main duties*

This group performs some or all of the following duties:

- Participate in the development of education policy by providing advice to senior government managers
- Organize departmental unit and establish procedures to meet departmental objectives set by senior management
- Direct and advise policy researchers or program officers conducting research, preparing documents or administering educational programs for elementary and secondary school systems
- Plan, administer and control budgets for projects, programs, support services, equipment and supplies
- Organize and direct committees and working groups to plan, manage or evaluate education projects and programs
- Interview, hire and provide training for staff.

### *Employment requirements*

- A bachelor's degree in education is required.
- A master's degree in a particular educational specialization may be required.
- Several years of combined experience as a school teacher and as a government educational policy researcher, consultant or program officer are usually required.
- A provincial teaching certificate is usually required.

### *Additional information*

- Progression to senior management positions in education is possible with experience.

## **40019 Other managers in public administration**

Other managers in public administration plan, organize, direct, control and evaluate the development of policies and programs which govern the daily operations of legislatures and other activities unique to government such as intergovernmental affairs and elections. They are employed by all levels of government.

### *Illustrative example(s)*

- clerk of the committee - Legislative Assembly
- elections planning director
- federal-provincial relations director
- intergovernmental affairs director

### *Exclusion(s)*

- Administrative services managers (1001)
- Government managers - economic analysis, policy development and program administration (40011)
- Government managers - education policy development and program administration (40012)
- Government managers - health and social policy development and program administration (40010)
- Policy and program researchers, consultants and officers (4140)
- Senior government managers and officials (00011)

### *Main duties*

This group performs some or all of the following duties:

- Participate in the development of policies and programs by providing advice to senior government managers of legislatures or departments or agencies involved in activities unique to government
- Organize government unit or agency and establish procedures to meet objectives set by senior management
- Direct and advise professional and non-professional staff conducting research, preparing documents or providing administrative support
- Plan, administer and control research and administration budgets for projects, programs, equipment and supplies
- Organize and direct committees and working groups to plan, manage or evaluate projects and programs
- Interview, hire and provide training for staff.

*Employment requirements*

- A bachelor's degree in a social science discipline, law or business administration is required.
- Several years of experience in government policy development, research or program administration, or in a professional occupation in social science, law or business administration are usually required.

*Additional information*

- Progression to senior management positions in this field is possible with experience.

**4002 Managers in education**

This minor group comprises managers in education, including administrators in post-secondary education and vocational training, and school principals and administrators of elementary and secondary education. They are employed by colleges, universities, vocational training schools, public and private elementary and secondary schools and school boards.

**40020 Administrators - post-secondary education and vocational training**

Administrators in post-secondary education and vocational training include faculty administrators and registrars of colleges or universities and administrators of vocational training schools. Faculty administrators manage the academic and related activities of faculties of colleges or universities. Registrars manage registration activities and academic records systems of colleges or universities. Administrators of vocational training schools manage the operations of vocational schools specializing in trades, technology, business or other vocational subjects.

*Illustrative example(s)*

- aviation school manager
- business school manager
- community college dean
- community college registrar
- dean - university or college
- dean of adult education
- faculty of science dean
- school of nursing dean
- school of technology dean
- student activities dean
- trade school manager
- university registrar

*Exclusion(s)*

- College and other vocational instructors (41210)
- Managers in customer and personal services (60040)
- Rector - education (See 00013-Senior managers - health, education, social and community services and membership organizations)
- School principals and administrators of elementary and secondary education (40021)
- University president (See 00013-Senior managers - health, education, social and community services and membership organizations)
- University professors and lecturers (41200)

### *Main duties*

This group performs some or all of the following duties:

#### Faculty administrators

- Plan, organize, direct, control and evaluate academic and related activities of a college or university faculty
- Recommend and approve faculty appointments
- Recommend curriculum revisions and additions and approve scheduling of courses
- Direct, through subordinate staff, activities such as research and curriculum development
- Plan, administer and control budgets for projects, programs, support services and equipment
- Advise president or rector of university or college
- Participate in activities of various faculty and college committees.

#### Registrars

- Plan, organize, direct, control and evaluate the registration activities and academic records system of a college or university
- Review registration statistics and consult with faculty officials to develop registration policies
- Direct activities of staff and others engaged in compiling information on courses, schedules and requirements for admission and graduation.

#### Administrators of vocational training schools

- Plan, organize, direct, control and evaluate the activities of a private college or institute specializing in trades, technology or business
- Develop curriculum for training programs
- Consult with government regulatory and licensing agencies to ensure conformance to provincial standards
- Plan, administer and control budgets for projects, programs, support services and equipment
- May recruit and hire teachers and other staff
- May teach.

### *Employment requirements*

- Faculty administrators require a graduate degree in a field related to the academic faculty and  
Several years of experience as a university professor or college teacher.
- Registrars require an undergraduate degree in business administration or a related field and  
Several years of experience in registration administration.
- Administrators of vocational training schools usually require an undergraduate degree in business administration  
or  
Expertise and certification in a subject of instruction.

### *Additional information*

- There is no mobility among the various types of administrators in this group.
- Progression to some senior management positions in education is possible with experience.

## 40021 School principals and administrators of elementary and secondary education

School principals plan, organize, direct, control and evaluate the activities of teachers and other staff of an elementary or secondary school. They are employed by public and private schools. Administrators of elementary and secondary education plan, organize, direct, control and evaluate the academic affairs of a school system. They are employed by school boards.

### *Illustrative example(s)*

- board of education administrator
- chief superintendent - schools
- director of education - correctional institution
- director of school for the hearing impaired
- district school superintendent
- private school headmaster/mistress
- school principal
- school vice-principal
- secondary school principal
- superintendent of elementary education
- superintendent of secondary schools
- superintendent of special education

### *Exclusion(s)*

- Administrators - post-secondary education and vocational training (40020)
- Education policy researchers, consultants and program officers (41405)
- Government managers - education policy development and program administration (40012)
- Senior managers - health, education, social and community services and membership organizations (00013)

### *Main duties*

This group performs some or all of the following duties:

#### School principals

- Plan, organize, direct, control and evaluate, through department heads or supervisors, the activities of teachers and support staff
- Review programs to ensure conformance to school board or provincial standards and develop programs within limits of authority
- Coordinate teaching activities of the institution by making personnel assignments, determining class size and preparing timetables
- Organize and maintain procedures for the keeping of records
- Prepare and administer institution or program budget
- Direct and coordinate school maintenance services and the use of school facilities
- May recruit and hire teachers and other staff
- May teach.

#### Administrators of elementary and secondary education

- Plan, organize, direct, control and evaluate, through school principals, the academic affairs of a school district
- Evaluate curriculum, teaching methods and community participation in programs for a school district and revise programs as required
- Develop and administer programs for the education and training of students and adults
- Make recommendations concerning the annual operating budget of a school district
- Direct the recruitment, appointment, training, evaluation and promotion of teaching personnel.

#### *Employment requirements*

- A bachelor's degree in education is required.
- A master's degree in education may be required.
- Several years of experience as a senior teacher or department head are required.
- A teacher's certificate for the province of employment is required.
- School principals may require a principal's certificate.
- Administrators of elementary and secondary education may require a supervisory officer certificate.

#### *Additional information*

- There is little mobility between institutional settings, for example, between elementary and secondary schools.

### **4003 Managers in social, community and correctional services**

This minor group comprises managers in social, community and correctional services. They are employed by social service and community agencies, correctional institutions, counselling departments, labour organizations, professional associations, political parties and non-governmental organizations.

#### **40030 Managers in social, community and correctional services**

Managers in social, community and correctional services plan, organize, direct, control and evaluate the programs and activities of social service and community agencies, correctional institutions, counselling departments, labour organizations, professional associations, political parties and non-governmental organizations.

#### *Illustrative example(s)*

- assistant vice-president - health, education, social and community services and membership organizations
- association director
- child welfare services administrator
- children's aid society director
- community centre director
- correctional institution director
- correctional treatment and training director
- detention centre director
- environmental group director
- family services area manager
- income maintenance director
- labour organization manager



- membership services manager
- political organization manager
- prison warden
- social assistance director
- social services regional administrator
- social work director
- trade association manager
- volunteer services director

#### *Exclusion(s)*

- Government managers - health and social policy development and program administration (40010)
- Senior managers - health, education, social and community services and membership organizations (00013)

#### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the delivery of social and community service programs such as income maintenance, children's aid and emergency housing services
- Manage the operations and activities of social and community centres, correctional facilities and detention centres
- Administer the programs of non-governmental organizations involved with social issues such as health care, human rights, consumer protection, international development and environmental protection
- Administer programs of membership organizations such as political parties, labour organizations, business and professional associations
- Establish administrative procedures to meet objectives set by board of directors or senior management
- Direct and advise professional and non-professional staff delivering services and programs to the general public and to the organization or association membership
- Plan, administer and control budgets for programs, equipment and support services
- Represent their respective organizations for the purpose of government liaison and media relations
- Participate in policy development by preparing reports and briefs for management committees and working groups
- Hire and provide training for professional and non-professional staff.

#### *Employment requirements*

- Managers in social, community and correctional services usually require a master's degree in a social science or administrative discipline and  
Several years of experience in a related occupation, such as a community and social service worker, social or health policy researcher, consultant or program officer, probation or parole officer, or social worker.
- Managers of associations and membership organizations require extensive experience in a related occupation, trade or industry.

#### *Additional information*

- Progression to senior management positions in social, community and correctional services is possible with additional training and experience.

## 4004 Managers in public protection services

This minor group comprises managers in public protection services, including commissioned police officers and related occupations in public protection services; fire chiefs and senior firefighting officers; and commissioned officers of the Canadian Armed Forces. They are employed by municipal, provincial and federal governments and industrial establishments with firefighting services.

### 40040 Commissioned police officers and related occupations in public protection services

Commissioned police officers plan, organize, direct, control and evaluate police force administration and police activities such as maintaining law and order and detecting and preventing crime. They are employed by municipal, provincial and federal governments. This unit group includes officers from the rank of staff sergeant to police commissioner. Commissioned officers in the railway police, deputy chief coroners, and deputy chief medical examiners are also included in this unit group.

#### *Illustrative example(s)*

- chief superintendent
- deputy police chief
- harbour police chief
- police chief
- police lieutenant
- police superintendent
- railway police chief
- Royal Canadian Mounted Police (RCMP) commissioner

#### *Inclusion(s)*

- deputy chief coroner
- deputy chief medical examiner

#### *Exclusion(s)*

- By-law enforcement and other regulatory officers (43202)
- Police investigators and other investigative occupations (41310)
- Police officers (except commissioned) (42100)
- Sheriffs and bailiffs (43200)

#### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a police force or division of a police force
- Develop and implement police force policies and procedures
- Oversee police investigations and ensure that procedures are conducted in accordance with laws and regulations
- Assess performance of subordinates and authorize promotions, transfers and disciplinary actions
- Coordinate and monitor budget and departmental resources.

*Employment requirements*

- Completion of secondary school is required.
- A university degree in the social sciences or in business administration is usually required.
- Several years of experience as a police officer is required.

*Additional information*

- Depending on provincial and territorial legislation, deputy chief coroners and deputy chief medical examiners may act as or be appointed to the position of chief coroner and chief medical examiner in their absence.

**40041 Fire chiefs and senior firefighting officers**

Fire chiefs and senior firefighting officers plan, organize, direct, control and evaluate firefighting operations and fire prevention activities in fire departments. They are employed by municipal and federal governments and by industrial establishments with firefighting services.

*Illustrative example(s)*

- deputy fire chief
- district fire chief
- fire chief

*Exclusion(s)*

- Firefighters (42101)

*Main duties*

This group performs some or all of the following duties:

- Develop, implement and evaluate policies and procedures for the operation of a municipal fire department, a district fire region or an industrial firefighting service
- Plan, direct and coordinate firefighting strategies for fire departments
- Evaluate the type of fire, the extent of damage to buildings and the danger to nearby establishments
- Direct activities at the scene of a fire
- Determine damage estimates and investigate the potential causes of a fire after extinguished
- Develop and oversee the implementation of security and fire prevention campaigns
- Represent the fire department in communications with government, the media and the public
- Direct the training of personnel in firefighting methods
- Coordinate and monitor budget and departmental resources.

*Employment requirements*

- Completion of secondary school is required.
- Completion of a college program in fire protection technology, fire science or a related field is usually required.
- Completion of a provincial or municipal firefighters training course is required.
- A minimum of ten years of experience as a firefighter is usually required before becoming eligible for a senior officer position.

## 40042 Commissioned officers of the Canadian Armed Forces

Commissioned officers of the Canadian Armed Forces plan, organize, command, direct, control and evaluate, the operations of their organization in relation to established objectives. Senior commissioned officers formulate military and strategic policies which establish the direction to be taken by the Canadian Forces. All ranks of commissioned officers in the Royal Canadian Air Force, Canadian Army, and Royal Canadian Navy are included in this unit group.

### *Illustrative example(s)*

- admiral
- artillery officer
- brigadier general
- colonel
- commodore
- lieutenant commander
- major
- naval cadet
- officer cadet
- search and rescue captain

### *Exclusion(s)*

- Operations members of the Canadian Armed Forces (43204)
- Primary combat members of the Canadian Armed Forces (44200)
- Specialized members of the Canadian Armed Forces (42102)

### *Main duties*

This group performs some or all of the following duties:

- Allocate material, human and financial resources to implement military policies and programs, establish administrative controls, and approve overall personnel planning
- Plan, organize and command the activities of the Canadian Armed Forces combat units and military strategic units in the Army, Royal Canadian Air Force, and Royal Canadian Navy at home and when deployed overseas during operations in conflict territory
- Plan, organize and command units engaged in non-military disaster relief, humanitarian and peacekeeping operations at the national and international level
- Set objectives of the organization in accordance with legislation and government policy, formulate or approve and evaluate programs and procedures, alone or in collaboration with senior government committees
- Coordinate the work of various military strategic units employing appropriate levels of military force for specific tasks
- Develop and implement military procedures and policies that are geared to the capabilities and performance of each unit.

### *Employment requirements*

- A university degree is usually required.
- Completion of military training is required.

- Experience as a non-commissioned member of the armed forces and demonstrated leadership ability may substitute for a university degree.
- Senior ranks, such as colonel, require several years of experience.

#### *Additional information*

Senior commissioned officers are classified according to their military rank.

## **41 Professional occupations in law, education, social, community and government services**

This major group comprises professional occupations in law, education, social, community and government services. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 1. Occupations classified in TEER 1, as those in this group with a 1 as the second digit of their code, typically require a university degree (bachelor's, master's or doctorate) or the accumulation several years of experience and expertise in the subject matter knowledge in a related occupation found in TEER 2, when applicable (which includes occupations with a 2 as a second digit in their code).

### **411 Professional occupations in law**

This sub-major group comprises professional occupations in law, including judges, lawyers (across Canada) and Quebec notaries.

#### **4110 Judges, lawyers and Quebec notaries**

This minor group comprises professional occupations in law, including judges, lawyers (across Canada) and Quebec notaries. Judges preside over federal and provincial courts. Lawyers are employed in law firms and prosecutor's offices. Quebec notaries are employed in notary offices. Both lawyers and Quebec notaries are employed by federal, provincial and municipal governments and various business establishments; or they may be self-employed.

#### **41100 Judges**

Judges adjudicate civil and criminal cases and administer justice in courts of law. Judges preside over federal and provincial courts.

#### *Illustrative example(s)*

- chief justice
- county court judge
- Court of Queen's Bench justice
- district court judge
- family court judge
- federal trial court justice
- provincial court of appeal justice
- small claims court judge
- superior court justice
- Supreme Court justice

### *Exclusion(s)*

- Administrative tribunal judge - government services (See 40010-Government managers - health and social policy development and program administration)
- Citizenship judge (See 42200-Paralegals and related occupations)
- Justice of the peace (See 42200-Paralegals and related occupations)

### *Main duties*

This group performs some or all of the following duties:

- Preside over courts of law, interpret and enforce rules of procedure and make rulings regarding the admissibility of evidence
- Instruct the jury on laws that are applicable to the case
- Weigh and consider evidence in non-jury trials and decide legal guilt or innocence or degree of liability of the accused or defendant
- Pass sentence on persons convicted in criminal cases and determine damages or other appropriate remedy in civil cases
- Grant divorces and divide assets between spouses
- Determine custody of children between contesting parents and other guardians
- Enforce court orders for access or support
- Supervise other judges and court officers.

Judges may specialize in particular areas of law such as civil, criminal or family law.

### *Employment requirements*

- Extensive experience as a lawyer or as a professor of law with continuous membership in the bar association is usually required.
- Membership in good standing with a provincial or territorial law society or bar association is required.
- Judges are appointed by federal or provincial cabinets.
- Those appointed to more senior positions in a court, such as chief justice, usually have experience as judges in that court.

## **41101 Lawyers and Quebec notaries**

Lawyers and Quebec notaries advise clients on legal matters, represent clients before administration boards and draw up legal documents such as contracts and wills. Lawyers also plead cases, represent clients before tribunals and conduct prosecutions in courts of law. Lawyers are employed in law firms and prosecutor's offices. Quebec notaries are employed in notary offices. Both lawyers and Quebec notaries are employed by federal, provincial and municipal governments and various business establishments or they may be self-employed. Articling students are included in this unit group.

### *Illustrative example(s)*

- barrister
- corporate counsel
- Crown Attorney
- law partner
- lawyer
- legal advisor

- legal counsel
- legislative counsel
- notary (Quebec)
- prosecutor
- solicitor

#### *Inclusion(s)*

- judicial assistant - Supreme Court

#### *Exclusion(s)*

- Legal department director (See 10019-Other administrative services managers)
- Legal firm manager (See 10029-Other business services managers)
- Notary public (See 42200-Paralegals and related occupations)
- Patent agent (See 41400-Natural and applied science policy researchers, consultants and program officers)
- Trademark agent (See 42200-Paralegals and related occupations)

#### *Main duties*

This group performs some or all of the following duties:

- Advise clients of their legal rights and all matters related to law
- Research legal precedents and gather evidence
- Plead clients' cases before courts of law, tribunals and boards (lawyers only)
- Draw up legal documents such as real estate transactions, wills, divorces and contracts, and prepare statements of legal opinions
- Negotiate settlements of civil disputes (lawyers only)
- Perform administrative and management functions related to the practice of law
- May act as mediator, conciliator or arbitrator
- May act as executor, trustee or guardian in estate and family law matters.

Lawyers and Quebec notaries may specialize in specific areas of the law such as criminal law (lawyers only), corporate law, contract law, taxation law, administrative law, international law, commercial law, real estate law, family and estate law, intellectual property law and labour law.

#### *Employment requirements*

##### Lawyers

- Two to three years of undergraduate studies or, in Quebec, completion of a college program, a bachelor's degree from a recognized law school, successful completion of the bar examination and completion of a period of articling are required.
- Licensing by the provincial or territorial law society is required.
- Be an active member of a law society in the province or territory of legal practice.

##### Notaries (Quebec)

- A bachelor's degree in civil law from a recognized law school and a master's degree in notarial law, which includes a 16-week internship, from a recognized law school are required.
- A 15-day training program at the Chambre des notaires du Québec is required.
- Licensing by the Chambre des notaires du Québec is required.

### *Additional information*

- Lawyers wishing to practise in another province or territory are required to pass examinations set by the provincial or territorial law society, except in New Brunswick and Saskatchewan where the National Mobility Agreement (2013) was implemented.

## **412 Professional occupations in education services**

This sub-major group comprises professional occupations in education services, including university professors and post-secondary assistants; college and other vocational instructors; secondary, elementary and kindergarten school teachers.

### **4120 University professors and post-secondary assistants**

This minor group comprises university professors and lecturers, and post-secondary teaching and research assistants. They are employed by universities and colleges.

#### **41200 University professors and lecturers**

University professors and lecturers teach courses to undergraduate and graduate students and conduct research at universities. University professors who are heads of departments are included in this unit group.

#### *Illustrative example(s)*

- botany assistant professor - university
- computer science professor - university
- engineering instructor - university
- English professor - university
- food sciences department chairperson - university
- French language professor - university
- geography department head - university
- lecturer - university
- linguistics associate professor
- physics department chairperson - university
- professor of medicine - university
- university professor

#### *Inclusion(s)*

- postdoctoral fellow
- teacher - teacher's college

#### *Exclusion(s)*

- College and other vocational instructors (41210)
- Other instructors (43109)
- Post-secondary teaching and research assistants (41201)



*Main duties*

This group performs some or all of the following duties:

- Teach one or more university subjects to undergraduate and graduate students
- Prepare and deliver lectures to students and conduct laboratory sessions or discussion groups
- Prepare, administer and grade examinations, laboratory assignments and reports
- Advise students on course and academic matters and career decisions
- Direct research programs of graduate students and advise on research matters
- Conduct research in field of specialization and publish findings in scholarly journals or books
- May serve on faculty committees dealing with such matters as curriculum planning and degree requirements, and perform a variety of administrative duties
- May represent their universities as speakers and guest lecturers
- May provide professional consultative services to government, industry and private individuals.

University professors and lecturers specialize in a particular subject matter such as biology, chemistry, anatomy, sociology, business administration or law.

*Employment requirements*

- A doctoral degree in the field of specialization is required for university professors.
- A master's degree in the field of specialization is required for university lecturers.
- Licences or professional certification may be required for professors teaching future practitioners in certain professionally regulated fields, such as medicine, engineering, architecture, psychology or law.

*Additional information*

- University professors who are also practitioners in their field of specialization must have the appropriate licences or certification.
- Progression to senior positions within a department, faculty or university is possible with experience.

**41201 Post-secondary teaching and research assistants**

Post-secondary teaching and research assistants assist university professors, community college and CEGEP teachers and other faculty members in teaching and research activities at universities and colleges.

*Illustrative example(s)*

- college laboratory assistant
- college teaching assistant
- graduate assistant - university
- post-secondary research assistant
- university research assistant

*Inclusion(s)*

- tutor - post-secondary teaching assistant

*Exclusion(s)*

- Elementary and secondary school teacher assistants (43100)
- Other instructors (43109)

### *Main duties*

This group performs some or all of the following duties:

#### Post-secondary teaching assistants

- Organize reference materials, visual aids and other materials as required by university professors or college teachers for lectures
- Conduct seminars, discussion groups and laboratory sessions to supplement lectures
- Assist in the preparation and administration of examinations
- Grade examinations, term papers and laboratory reports.

#### Research assistants

- Conduct literature reviews, surveys, laboratory experiments and other research for use in scholarly publications
- Compile research results and assist professors in the analysis of results and the preparation of journal articles or papers.

Post-secondary teaching and research assistants specialize in a subject matter based on their field of study.

### *Employment requirements*

- Enrolment in, or completion of, a university or college program is required.

## **4121 College and other vocational instructors**

This minor group comprises college and other vocational instructors. They teach at community colleges, CEGEPs, agricultural colleges, technical and vocational institutes, language schools and other college level schools. This minor group also includes trainers who are employed by private training establishments, companies, community agencies and governments to deliver internal training or development courses.

### **41210 College and other vocational instructors**

College and other vocational instructors teach applied arts, academic, technical and vocational subjects to students at community colleges, CEGEPs, agricultural colleges, technical and vocational institutes, language schools and other college level schools. This unit group also includes trainers who are employed by private training establishments, companies, community agencies and governments to deliver internal training or development courses. College teachers who are heads of departments are included in this unit group.

#### *Illustrative example(s)*

- college teacher
- commercial art instructor
- community college teacher
- company trainer
- computer training instructor
- department chairperson - college
- department head - general and vocational college (CEGEP)
- firefighting instructor
- general and vocational college (CEGEP) teacher
- instructor - technology institute
- language school instructor

- lecturer - college
- legal assistant program teacher
- teacher - institute of technology
- training officer - company
- vocational institute teacher

#### *Exclusion(s)*

- Administrators - post-secondary education and vocational training (40020)
- Other instructors (43109)
- Secondary school teachers (41220)
- University professors and lecturers (41200)

#### *Main duties*

This group performs some or all of the following duties:

- Teach students using a systematic plan of lectures, demonstrations, discussion groups, laboratory work, shop sessions, seminars, case studies, field assignments and independent or group projects
- Develop curriculum and prepare teaching materials and outlines for courses
- Prepare, administer and mark tests and papers to evaluate students' progress
- Advise students on program curricula and career decisions
- Provide individualized tutorial or remedial instruction to students who require it
- Supervise independent or group projects, field placements, laboratory work or hands-on training
- Supervise teaching assistants
- May provide consultation services to government, business and other organizations
- May serve on committees concerned with matters such as budgets, curriculum revision, and course and diploma requirements.

These instructors specialize in particular fields or areas of study such as visual arts, dental hygiene, welding, engineering technology, policing, computer software, management and early childhood education.

#### *Employment requirements*

- A bachelor's degree, a college diploma or demonstrated expertise in the field of instruction is required.
- A master's degree in the field of instruction may be required.
- A certificate, diploma or degree in adult education may be required.
- For instructors of trades, completion of apprenticeship training and industry or trade certification are required. Additional courses in teaching or a provincial teaching certificate may be required.

#### *Additional information*

- Progression to administrative positions in post-secondary education is possible with experience.

### **4122 Secondary, elementary and kindergarten school teachers**

This minor group comprises secondary, elementary and kindergarten school teachers. They are employed by public and private secondary and elementary schools, school boards, and post-secondary educational institutions.

## 41220 Secondary school teachers

Secondary school teachers prepare and teach academic, technical, vocational or specialized subjects at public and private secondary schools. Secondary school teachers who are heads of departments are included in this unit group.

### *Illustrative example(s)*

- adult education teacher - secondary school
- biology teacher - secondary school
- commerce teacher - secondary school
- English as a second language (ESL) high school teacher
- English teacher - secondary school
- French as a second language teacher - secondary school
- history teacher - secondary school
- librarian-teacher - high school
- remedial teacher - secondary school
- secondary school department head
- secondary school teacher
- special education teacher - secondary school
- supply high school teacher
- trades instructor - secondary school
- vocational teacher - secondary school

### *Exclusion(s)*

- College and other vocational instructors (41210)
- Educational counsellors (41320)
- Elementary and secondary school teacher assistants (43100)
- Elementary school and kindergarten teachers (41221)
- Instructors of persons with disabilities (42203)
- Other instructors (43109)
- Psychoeducator (See 41301-Therapists in counselling and related specialized therapies)
- School principals and administrators of elementary and secondary education (40021)
- Secondary school librarian (See 52100-Library and public archive technicians)

### *Main duties*

This group performs some or all of the following duties:

- Prepare subject material for presentation to students according to an approved curriculum
- Teach students using a systematic plan of lectures, discussions, audio-visual presentations, and laboratory, shop and field studies
- Assign and correct homework
- Prepare, administer and correct tests
- Evaluate progress, determine individual needs of students and discuss results with parents and school officials
- Prepare and implement remedial programs for students requiring extra help

- Participate in staff meetings, educational conferences and teacher training workshops
- May teach and evaluate students through distance or online courses
- May advise students on course selection and on vocational and personal matters
- May supervise student teachers.

Secondary school teachers may specialize in such areas as mathematics, English, French, special education or second language instruction. Secondary school teachers of vocational and trades subjects may specialize in areas such as hairdressing or auto mechanics.

#### *Employment requirements*

- Teachers of academic subjects require a bachelor's degree in education which is often preceded by a bachelor's degree in the arts or sciences.
- Teachers of vocational or technical subjects require a bachelor's degree in education which is usually preceded by specialized training or experience in the subject.
- Instructors of trades in Quebec require completion of an apprenticeship training program and industry or trade certification.
- Department heads usually require several years of teaching experience.
- To specialize in special education or English or French as a second language, additional training is required.
- A provincial teaching certificate is required.
- Membership in a provincial or territorial teachers' association or federation may be required.

#### *Additional information*

- Progression to vice-principal or other administrative positions in the education system is possible with experience.
- In Quebec, trades training programs are usually offered in the secondary school system.

### **41221 Elementary school and kindergarten teachers**

Elementary school and kindergarten teachers teach basic subjects such as reading, writing and arithmetic or specialized subjects such as English or French as a second language at public and private elementary schools.

#### *Illustrative example(s)*

- English as a second language elementary school teacher
- French as a second language elementary school teacher
- French immersion teacher - elementary school
- kindergarten teacher
- primary school teacher
- remedial teacher - elementary school
- special education teacher - elementary school
- special education teacher - primary school
- supply teacher - elementary school
- teacher-librarian - elementary school

#### *Exclusion(s)*

- Early childhood educators and assistants (42202)
- Elementary and secondary school teacher assistants (43100)

- Elementary school librarian (See 52100-Library and public archive technicians)
- Psychoeducator (See 41301-Therapists in counselling and related specialized therapies)
- School principals and administrators of elementary and secondary education (40021)
- Secondary school teachers (41220)
- Teacher of persons with developmental disabilities (See 42203-Instructors of persons with disabilities)

### *Main duties*

This group performs some or all of the following duties:

- Prepare courses for presentation to students according to approved curriculum
- Teach students using a systematic plan of lessons, discussions, audio-visual presentations and field trips
- Lead students in activities to promote their physical, mental and social development and their school readiness
- Assign and correct homework
- Prepare, administer and correct tests
- Evaluate the progress of students and discuss results with students, parents and school officials
- Identify children's individual learning needs
- Prepare and implement remedial programs for students requiring extra help
- Participate in staff meetings, educational conferences and teacher training workshops
- May supervise teachers' aides and student teachers.

Elementary school and kindergarten teachers may specialize in such areas as special education or second language instruction.

### *Employment requirements*

- A bachelor's degree in education is required.
- A bachelor's degree in child development may be required.
- Additional training is required to specialize in special education or second language instruction.
- A provincial teaching certificate is required. Additional certification is required to teach English or French as a second language.
- Membership in a provincial or territorial teachers' association or federation is usually required.

### *Additional information*

- Progression to education consultant or school principal is possible with experience.

## **413 Professional occupations in social and community services**

This sub-major group comprises professional occupations in social and community services, including social and community service professionals; police investigators and probation officers; and educational and employment counsellors.

### **4130 Social and community service professionals**

This minor group comprises social and community service professionals, including social workers; therapists in counselling and related specialized therapies; and religious leaders. They work in private practice; and are employed by mental health, health care and rehabilitation facilities; correctional facilities, community service, social service, and child welfare organizations; school boards and educational institutions; sports organizations; counselling centres, group homes, family therapy centres; employee assistance programs, human resource

departments, and employment service organizations; consulting, and other companies; Aboriginal band councils, and federal and provincial governments; government and private research agencies; and churches, synagogues, temples and other places of worship.

## 41300 Social workers

Social workers help individuals, couples, families, groups, communities and organizations develop the skills and resources they need to enhance social functioning and provide counselling, therapy and referral to other supportive social services. Social workers also respond to other social needs and issues such as unemployment, racism and poverty. They are employed by hospitals, school boards, social service agencies, child welfare organizations, correctional facilities, community agencies, employee assistance programs and Aboriginal band councils, or they may work in private practice.

### *Illustrative example(s)*

- coordinator of social work
- medical social worker
- psychiatric social worker
- social work supervisor
- social worker

### *Inclusion(s)*

- children's aid investigator

### *Exclusion(s)*

- Educational counsellors (41320)
- Managers in social, community and correctional services (40030)
- Social and community service workers (42201)
- Therapists in counselling and related specialized therapies (41301)

### *Main duties*

This group performs some or all of the following duties:

- Interview clients individually, in families, or in groups, to assess their situation and problems and determine the types of services required
- Provide counsel and therapy to assist clients in developing skills to deal with and resolve their social and personal problems
- Plan programs of assistance for clients including referral to agencies that provide financial assistance, legal aid, housing, medical treatment and other services
- Investigate cases of child abuse or neglect and take authorized protective action when necessary
- Serve as members on interdisciplinary teams of professionals working with client groups
- Act as advocates for client groups in the community, lobby for solutions to problems directly affecting client groups and develop prevention and intervention programs to meet community needs
- Develop or advise on social policy legislation, conduct social research and assist in community development
- Provide mediation services and psychosocial assessments
- Evaluate the effectiveness of counselling and social programs
- May provide public education and consultation to professionals or groups regarding counselling services, issues and methods

- May supervise other social workers.

Social workers may specialize in fields of practice such as child welfare, family services, corrections, gerontology or addictions.

#### *Employment requirements*

- A bachelor's degree in social work is required in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, British Columbia, the Northwest Territories and Nunavut.
- In Alberta, a bachelor's degree or diploma in social work is required.
- Supervised practical experience is usually required.
- Successful completion of provincial written and oral examinations may be required.
- Registration with a provincial governing body is mandatory to practise as a social worker in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Alberta and British Columbia.
- Use of the titles "Social Worker" and "Registered Social Worker" is regulated in all provinces.
- Membership in a provincial association of social workers is usually required.

### **41301 Therapists in counselling and related specialized therapies**

Therapists in counselling and related specialized therapies assist individuals and groups of clients to identify, understand and overcome personal problems and achieve personal objectives. They can be specialized to work on specific problems and they may practice psychotherapy. They are employed by counselling centres, social service agencies, group homes, government agencies, family therapy centres, and educational, health care and rehabilitation facilities, or they may work in private practice.

#### *Illustrative example(s)*

- addictions counsellor
- art therapist
- bereavement counsellor
- child and youth counsellor
- drama therapist
- family counsellor
- marriage counsellor
- movement therapist
- music therapist
- psychotherapist
- registered clinical counsellor
- registered dance therapist
- registered dance therapist
- registered marriage and family therapist
- sex therapist

#### *Inclusion(s)*

- behavioural consultant
- disability consultant



- play therapist
- psychoeducational consultant
- psychoeducator

#### *Exclusion(s)*

- Career development practitioners and career counsellors (except education) (41321)
- Educational counsellors (41320)
- Kinesiologists and other professional occupations in therapy and assessment (31204)
- Managers in social, community and correctional services (40030)
- Social and community service workers (42201)
- Social workers (41300)

#### *Main duties*

This group performs some or all of the following duties:

- Interview clients, prepare case histories and assess problems
- Develop and implement counselling and intervention programs to assist clients in determining goals and means of attaining them
- Counsel clients, provide therapy and mediation services, and facilitate group sessions
- Liaise with community agencies or partners, and identify additional or alternative services and provide referrals
- Evaluate the effectiveness of counselling programs and interventions, and clients' progress in resolving identified problems and movement toward defined objectives
- Follow up on results of counselling programs and clients' adjustments
- Prepare assessment, progress, follow-up and court reports
- May supervise other counsellors, social service staff and assistants
- May provide public education and consultation to other professionals or groups regarding counselling services, issues and methods
- May provide witness testimony in court proceedings
- May conduct research, publish research papers, educational texts and articles and deliver presentations at conferences
- May collaborate with employee assistance programs or with government organizations in health and safety or with victims of crime
- May participate in fundraising activities.

#### *Employment requirements*

- A bachelor's or master's degree in the field of counselling, therapy, mental health, psychology or a related social service discipline is required and a period of supervised clinical work with clients may be required.
- A master's degree in the field of therapy is required for art therapist, music therapist, and dance therapists.
- Membership with a provincial or federal association is usually required by employers.
- Registration with a regulatory body is required in Nova Scotia and New Brunswick for counselling therapists.
- To practise psychotherapy, a permit is required in Quebec and registration with the appropriate regulatory body is required in Ontario.

### *Additional information*

- Counselling therapists usually become specialized in a particular area through continual training and experience.
- Progression to social service management positions is possible with additional training and experience.

## **41302 Religious leaders**

Religious leaders conduct religious services, administer the rites of a religious faith or denomination, provide spiritual and moral guidance and perform other functions associated with the practice of a religion. They perform these duties in churches, synagogues, temples or other places of worship. They may also work in other institutions such as schools, hospitals and correctional facilities.

### *Illustrative example(s)*

- archbishop
- bishop
- cardinal
- chaplain
- evangelist
- granthi
- imam
- minister
- moderator - religion
- pastor
- priest
- rabbi

### *Exclusion(s)*

- Religion workers (42204)

### *Main duties*

This group performs some or all of the following duties:

- Conduct regular religious services
- Administer rites of faiths such as marriages and funerals
- Pray and promote spirituality by delivering sermons and other talks
- Provide spiritual and moral guidance to members of a religious faith
- Supervise, plan and administer programs of religious education
- May participate in humanitarian endeavours and delivery of social services and welfare activities
- May share in the administrative and financial operation of a religious community
- May provide consultation services to government and other organizations.

### *Employment requirements*

- Completion of college, university or other program in religious studies is usually required. Some occupations in this unit group may require a master's of divinity or theology.
- A period of study with a senior minister is usually required.

*Additional information*

- Progression to senior positions included in this unit group, within a religious order, is possible with experience.

**4131 Police investigators and probation officers**

This minor group comprises police investigators, and probation and parole officers. They are employed by municipal, provincial and federal governments.

**41310 Police investigators and other investigative occupations**

Police investigators and professionals in related investigative occupations follow leads and investigate circumstances relating to crimes committed and obtain information to prevent crimes. They plan and coordinate investigations, collect evidence, interview suspects, victims, witnesses and other stakeholders, conduct surveillance and testify in court. They are employed by municipal, provincial and federal governments. This unit group includes coroners and medical examiners.

*Illustrative example(s)*

- detective - police
- detective sergeant - police
- drug investigator - police
- police investigator

*Inclusion(s)*

- coroner
- medical examiner

*Exclusion(s)*

- Commissioned police officers and related occupations in public protection services (40040)
- Police officers (except commissioned) (42100)
- Private detective (See 64410-Security guards and related security service occupations)

*Main duties*

This group performs some or all of the following duties:

## Police investigators

- Interviews persons in connection with criminal incidents, including victims, witnesses and suspects
- Exchange information and coordinate activities with other law enforcements agencies
- Prepare investigation reports and testify in courts concerning criminal investigations
- Search and collect physical evidence from crimes scenes, such as fingerprints, and attend autopsies
- Perform surveillance by using investigative technologies
- Obtain search warrants, conduct searches and arrest suspects
- May conduct investigation on online networks and computer systems to detect cyber crimes or to recover data
- May supervise and coordinate the work of police officers.

### Coroners and medical examiners

- Conduct death investigations to determine the identity of the deceased, date and location of death, medical cause of death, and manner of death
- Order or perform autopsies and other medical tests
- Consult with and request assistance from law enforcement, physicians, and family
- Issue death certificates, including assigning cause and manner of death
- Identify and educate the public on dangerous practices or conditions that may lead to death
- May testify or produce evidence in proceedings about observations made during investigations
- May supervisor and coordinator work of other employees.

### *Employment requirements*

#### Police Investigators

- Completion of secondary school is required.
- Several years of experience as a police officers are required.
- Completion of a university degree in police investigation is required in Quebec.
- Specialized training or certification may be required for certain areas of investigation.

#### Coroners and medical examiners

- In Alberta, Manitoba, Nova Scotia, and Newfoundland and Labrador, a medical examiner is required to be a physician with an active medical license.
- In Ontario and Prince Edward Island, coroners are required to be a physician with an active medical license.
- In Quebec, coroners are required to be a non-retired member of the Collège des médecins du Québec, the Barreau du Québec or the Chambre des notaires du Québec, and have a minimum of four years of professional experience in their practice.
- In British Columbia, New Brunswick, Northwest Territories, Nunavut, Saskatchewan, and Yukon, it is preferred coroners have education and experience in the legal, medical or investigative fields.

### *Additional information*

- For police investigators, progression to commissioned police officer positions is possible with additional training and experience.
- For coroners and medical examiners, progression to deputy chief coroner or deputy chief medical officer positions is possible with additional training and experience.

## **41311 Probation and parole officers**

Probation officers monitor the conduct and behaviour of criminal offenders serving probation terms and serving sentences of two years less a day. They are employed by provincial governments. Parole officers monitor the reintegration of criminal offenders serving the remainder of sentences on conditional release and individuals that are subject to a long-term supervision order. They also assess inmates and develop rehabilitation programs for criminal offenders who are incarcerated in correctional facilities. They are employed by federal and provincial governments. Both probation and parole officers work in the community and in correctional facilities including young offender's correctional facilities.

### *Illustrative example(s)*

- parole officer
- probation officer

*Exclusion(s)*

- Correctional service officers (43201)
- Managers in social, community and correctional services (40030)
- Social and community service workers (42201)
- Social workers (41300)

*Main duties*

This group performs some or all of the following duties:

- Interview inmates to assess adjustment problems and develop suitable rehabilitation programs
- Prepare reports for the recommendation of security level, penitentiary placement, type of incarceration and types of interventions considered most beneficial for the rehabilitation of the inmates
- Interview offenders, police, family, friends, school authorities and employers to prepare pre-sentence reports and assess offenders' prospects for successful reintegration into the community
- Plan rehabilitation programs with inmates, establishing rules of conduct, goals and objectives
- Refer inmates and offenders to community and social service programs, as required
- Supervise the terms of a probation order and attend court
- Interview probationers and parolees regularly to evaluate their progress in accomplishing goals and maintaining the terms specified in their probation contracts and rehabilitation plans
- Recommend remedial action or initiate court action when terms of probation or parole are violated
- Attend court proceedings to provide expert testimony on an inmate's case as well as detention and dangerous offenders status court rulings
- May perform administrative duties and supervise support staff
- May participate in policy development.

*Employment requirements*

- A bachelor's degree in social work, criminology, psychology, sociology or other related social science discipline is required.
- A master's degree in social work, criminology, psychology or other related social science discipline may be required.

*Additional information*

- Progression to correctional service management positions is possible with additional training or experience.

**4132 Educational and employment counsellors**

This minor group comprises educational counsellors and employment counsellors such as career development practitioners and career counsellors. They are employed by public or private employment agencies, rehabilitation centres, hospitals, human resource departments of establishments, consulting firms, correctional facilities, school boards and educational institutions and by municipal, provincial and federal governments.

**41320 Educational counsellors**

Educational counsellors advise current and prospective students on educational issues, career planning and personal development, and coordinate the provision of counselling services to students, parents, teachers, faculty and staff. They are employed by school boards and post-secondary educational institutions.

*Illustrative example(s)*

- academic counsellor
- career counsellor - education
- Indigenous advisor - college
- school counsellor
- student services counsellor

*Inclusion(s)*

- student employment services coordinator

*Exclusion(s)*

- Career development practitioners and career counsellors (except education) (41321)
- School psychologist (See 31200-Psychologists)
- Secondary school teachers (41220)
- Social workers (41300)
- Therapists in counselling and related specialized therapies (41301)

*Main duties*

This group performs some or all of the following duties:

- Counsel students regarding educational issues such as course and program selection, time tables and scheduling, school adjustment, attendance problems and study skills
- Counsel students regarding career or vocational issues including career exploration and planning, résumé preparation, job interview skills and job search strategies and make available to them a wide range of educational and occupational information
- Coordinate co-op and school-to-work transition programs, and the provision of counselling and information services, such as career information, professional development sessions and exchanges with other educational institutions, to students, parents, teachers, faculty and staff
- Consult with teachers and parents or faculty and other professionals such as psychologists, speech therapists and social workers regarding various issues and concerns, and with administrators and community agencies regarding programs and referrals
- Administer and interpret standardized intelligence, personality, vocational, aptitude and interest tests
- Develop and coordinate study skills groups or workshops in high schools, colleges and universities on topics such as note-taking, test or examination anxiety and preparation strategies and time management skills
- Visit colleges and secondary schools to provide academic information to prospective students, their parents and educational counsellors
- Coordinate or participate in student orientation programs in colleges or universities
- Arrange for employers to recruit graduating college and university students, and students for co-op education work terms
- Counsel students regarding personal and social issues such as substance abuse, depression, sexuality, eating disorders, anxiety, self-esteem, family problems, relationship and interpersonal skills and anger management
- Counsel students in crisis situations such as dealing with the death of a friend or family member, suicidal tendencies and abuse situations
- May supervise peer counselling programs in school settings

- May supervise field experience for graduate students in counselling
- May teach regular classes.

Vocational counsellors in Quebec may also provide professional orientation to individuals with a mental illness, disabilities, and those with adaptation difficulties. Those with specific training may also perform certain mental health assessments.

#### *Employment requirements*

- A bachelor's degree in counselling, career development, education or social sciences is required for counsellors in school settings.
- A master's degree in counselling psychology or a related field such as educational psychology, developmental psychology or social work is usually required.
- Educational counsellors in post-secondary settings require an undergraduate degree and may require a graduate degree. A particular academic specialization may also be required.
- In Quebec, membership in l'Ordre des conseillers et conseillères d'orientation is mandatory to use the titles "vocational counsellor", "guidance counsellor" and "vocational guidance counsellor".
- A teacher's certificate in the province of employment and some teaching experience is usually required for counsellors in school settings.
- Educational counsellors in colleges and universities may require licensing from a provincial regulatory body governing psychologists, educational counsellors or social workers.

#### *Additional information*

- Elementary school counsellors generally provide more social and personal counselling whereas academic counselling is provided more by high school counsellors.
- Educational counsellors in colleges, universities and other settings may specialize in academic, career or personal issues counselling.

### **41321 Career development practitioners and career counsellors (except education)**

Career development practitioners and career counsellors (except education) provide assistance and information to job seeker clients on all aspects of employment search and career planning. They also provide advice and information to employer clients regarding employment issues and human resources. They are employed by public or private employment agencies, rehabilitation centres, hospitals, human resource departments of establishments, consulting firms, correctional facilities and by federal and provincial governments. Supervisors of career development practitioners and career counsellors (except education) are included in this unit group.

#### *Illustrative example(s)*

- career counsellor (except education)
- career development counsellor
- career development practitioner
- outplacement counsellor
- rehabilitation counsellor
- relocation consultant
- vocational rehabilitation counsellor

#### *Inclusion(s)*

- Aboriginal employment developer
- employment consultant

- relocation counsellor
- vocational rehabilitation specialist
- workforce development officer

#### *Exclusion(s)*

- Educational counsellors (41320)
- Employment insurance officer (See 12104-Employment insurance and revenue officers)
- Human resources and recruitment officers (12101)
- Job coach for persons with disabilities (See 42203-Instructors of persons with disabilities)

#### *Main duties*

This group performs some or all of the following duties:

- Interview clients to obtain employment history, educational background and career goals
- Identify barriers to employment and assist clients with such matters as job readiness skills, job search strategies, writing résumés and preparing for job interviews
- Assess need for assistance such as rehabilitation, financial aid or further training and refer clients to the appropriate services
- Provide established workers with information and strategies for maintaining a job or moving within an organization, dealing with job dissatisfaction, making mid-career changes and adjusting to workplace transitions
- Collect labour market information for clients regarding job openings, entry and skill requirements and other occupational information
- Advise employers on human resource and other employment-related issues
- Provide consulting services to community groups and agencies, businesses, industry and other organizations involved in providing community-based career planning support or resources
- May administer and interpret tests designed to determine the interests, aptitudes and abilities of clients
- May provide advocacy and adjudication services related to employment legislation or contractual agreements
- May arrange for, or conduct physical, mental, academic, vocational, and other evaluations to obtain information for assessing clients' needs and to develop employment and rehabilitation plans.

Vocational counsellors provide specialized career development services to individuals with physical illnesses or injuries, mental health illnesses and individuals with disabilities. They require additional knowledge and experience to assess employment capabilities and develop associated employment plans.

#### *Employment requirements*

- A bachelor's degree or college diploma in employment counselling, career development or in a related field, such as human resources development, psychology, education or social services is required.
- A master's degree in counselling psychology or a related field such as educational psychology, developmental psychology or social work may be required.
- Vocational rehabilitation professional certification may be required by employers.
- In Quebec, membership in l'Ordre des conseillers et conseillères d'orientation du Québec is mandatory to use the titles "vocational counsellor" and "vocational guidance counsellor".



- In New Brunswick, membership in the College of Counselling Therapists of New Brunswick is mandatory to use the title “Licensed career counsellor”.
- In Alberta, British Columbia, New Brunswick, Nova Scotia, and Ontario, Certified Career Development Professional/Practitioner (CCDP) certification may be required by employers.

#### *Additional information*

- Mobility to positions in personnel or training is possible.
- Progression to supervisory positions is possible through experience.

### **414 Professional occupations in government services**

This sub-major group comprises professional occupations in government services, including natural and applied science policy researchers, consultants and program officers; economists and economic policy researchers and analysts; business development officers and market researchers and analysts; researchers, consultants and program officers in the areas of social policy, health policy, education policy, recreation, sports and fitness policy; program officers unique to government; and other professional occupations in social science.

#### **4140 Policy and program researchers, consultants and officers**

This minor group comprises professional occupations in government services, including natural and applied science policy researchers, consultants and program officers; economists and economic policy researchers and analysts; business development officers and market researchers and analysts; consultants and program officers in the areas of social policy, health policy, education policy, recreation, sports and fitness policy; program officers unique to government; and other professional occupations in social science. They are employed by federal, provincial and municipal governments, and government agencies; universities, educational institutions, and school boards; research, international, non-government, and environmental and conservation organizations; consulting, marketing, and investment companies; banks; unions, and professional and business associations; recreation, sports, and fitness facilities; hospitals, health care facilities, retirement homes, and community centres and agencies; and in industry and manufacturing; or they may be self-employed.

#### **41400 Natural and applied science policy researchers, consultants and program officers**

Natural and applied science policy researchers, consultants and program officers conduct research, prepare reports, provide consultation and advice and administer programs in a variety of areas related to the natural and applied sciences. They are employed by federal, provincial and municipal governments, computer and office furniture manufacturers, educational institutions, research organizations, consulting firms, environmental and conservation organizations, or they may be self-employed.

#### *Illustrative example(s)*

- certified ergonomist
- emergency management analyst
- emergency preparedness planner
- energy policy analyst
- environmental impact analyst
- environmental issues lobbyist
- environmental program development supervisor
- ergonomics specialist
- fisheries analyst
- industrial hygienist
- natural and applied sciences program officer

- natural resources policy analyst
- occupational hygienist
- recycling program coordinator
- scientific consultant
- technology transfer officer
- transportation safety analyst

*Inclusion(s)*

- environmental education consultant
- patent agent
- patent searcher

*Exclusion(s)*

- Architecture and science managers (20011)
- Chemical engineers (21320)
- Civil and mechanical engineers (2130)
- Electrical and electronics engineers (21310)
- Health policy researchers, consultants and program officers (41404)
- Life science professionals (2111)
- Other engineers (2139)
- Patent lawyer (See 41101-Lawyers and Quebec notaries)
- Physical science professionals (2110)

*Main duties*

This group performs some or all of the following duties:

Ergonomists or human factors specialists

- Conduct research and advise on, and intervene in the physical, social and psychological interrelationships between persons, their equipment and working or living environments to ensure that the design, configuration and use of equipment, procedures and environmental conditions maximize safety, productivity and comfort.

Occupational or industrial hygienists

- Study, evaluate and control physical, chemical and biological hazards and stresses in the workplace
- Report and document investigations and conclusions
- Suggest changes to work environments and processes
- Provide information to workers and managers or employers on methods to reduce the risk of injury or illness from specific occupational hazards
- May teach safe work procedures, participate in emergency response planning, testify at hearings and report findings at scientific conferences or in scientific journals.

Patent agents

- Advise clients on elements of patent law and on the patentability of inventions
- Conduct patent searches
- Prepare patent applications

- Represent clients before the patent office.

#### Technology transfer officers

- Transfer and integrate new technologies, usually from university or government research and development environments, to commercial and industrial applications and ensure the protection of intellectual property of researchers and developers.

#### Science policy and program officers

- Conduct research and advise on policies or develop or administer programs related to transportation, emergency preparedness, communications, natural resources, agriculture, the environment, traditional and alternative energy technologies, land use, recycling and other scientific fields
- Promote public awareness and education on issues such as utilization of natural resources, the environment, and reprocessing and reduction of waste.

#### *Employment requirements*

- A bachelor's degree or college diploma in a related scientific or technical discipline is usually required for occupations in this unit group.
- A master's degree in a related scientific discipline may be required.
- Certification through the Canadian College of Certified Professional Ergonomists is required to use the title "Canadian Certified Professional Ergonomist (CCPE)". Membership with the Association of Canadian Ergonomists may be required.
- Occupational hygienists may require certification by the Canadian Registration Board of Occupational Hygienists.
- Patent agents require 12 months of work experience in the patent field and successful completion of examinations set by the Commissioner of Patents. They may also be required to be listed in the register of patent agents.
- Occupations in this group that are involved in green building design and technologies development may require the Leadership in Energy and Environmental Design (LEED) certification offered by the Canadian Green Building Council.

#### *Additional information*

- Progression to supervisory or managerial positions in these fields is possible with experience.

### **41401 Economists and economic policy researchers and analysts**

Economists and economic policy researchers and analysts conduct research, monitor data, analyze information and prepare reports and plans to resolve economic and business problems and develop models to analyze, explain and forecast economic behaviour and patterns. They advise on matters such as finance, fiscal and monetary policy, international trade, agricultural and natural resource commodities and labour and industrial markets. They are employed by government departments and agencies and throughout the private sector in associations, unions, research organizations, banks and investment firms.

#### *Illustrative example(s)*

- agricultural economist
- economic advisor
- economic analyst
- economic policy analyst
- economist

- energy economist
- financial economist
- industrial economist
- international trade economist
- investment economist
- labour economist
- natural resources economist
- tax economist
- trade economist

*Inclusion(s)*

- business analyst - economics
- consumer advisor - economics
- salary analyst - economic policy
- wage analyst - economic policy

*Exclusion(s)*

- Business development officers and market researchers and analysts (41402)
- Economics professor - university (See 41200-University professors and lecturers)
- Financial and investment analysts (11101)
- Government managers - economic analysis, policy development and program administration (40011)
- Labour policy analyst (See 41403-Social policy researchers, consultants and program officers)

*Main duties*

This group performs some or all of the following duties:

- Conduct research and develop models to analyze, explain and forecast economic behaviour and patterns, and devise methods for collection and analysis of data
- Forecast production and consumption of specific products and services based on records of past production and consumption and general economic and industry-specific conditions
- Prepare forecasts of income and expenditure, interest rates and exchange rates
- Analyze factors which determine economic growth and advise government agencies on policies to increase economic activities
- Analyze factors which determine labour force participation, employment, wages, unemployment and other labour market outcomes
- Study mathematical formulae and statistical techniques and apply them to the testing and quantifying of economic theories and the solution of economic problems
- Study the nature of money, credit and the operation of banks and other financial institutions to develop monetary policies and forecasts of financial activity
- Monitor economic data to assess the effectiveness, and advise on the appropriateness, of monetary and fiscal policies
- Examine problems related to the economic activity of individual companies
- Examine financial methods, production costs and techniques and marketing policies to recommend possible improvements
- Examine statistical data on the exchange of goods and services among nations

- Forecast production and consumption of renewable resources and supply, consumption and depletion of non-renewable resources
- Conduct research on market conditions in local, regional or national area to set sales and pricing levels for goods and services, to assess market potential and future trends and to develop business strategies
- Monitor regional and local economic trends
- Study regulatory processes and provide material in support of legal proceedings with government and other parties.

#### *Employment requirements*

- A master's degree in economics or in a related discipline such as business administration or statistics is usually required.
- A doctorate in economics may be required.

#### *Additional information*

- Progression to managerial positions in economics is possible with experience.

### **41402 Business development officers and market researchers and analysts**

Business development officers and market researchers and analysts conduct research, provide statistical and analytical supports, identify market trends and potential opportunities, formulate policies and manage programs to stimulate industrial and commercial business investment or tourism in urban and rural areas, or to promote commercial or industrial products and services. They are employed by government departments, international organizations, marketing and analytics firms and business associations or may be self-employed.

#### *Illustrative example(s)*

- business development officer
- community economic development consultant
- economic development officer
- industrial development officer
- market researcher
- marketing analyst
- marketing researcher
- regional development analyst
- tourism development officer
- tourism industry consultant

#### *Inclusion(s)*

- economic forecaster
- economic research officer

#### *Exclusion(s)*

- Development officer - fundraising (See 11202-Professional occupations in advertising, marketing and public relations)
- Economic development director (See 40011-Government managers - economic analysis, policy development and program administration)
- Economists and economic policy researchers and analysts (41401)

- Financial and investment analysts (11101)
- International aid and development project officer (See 41403-Social policy researchers, consultants and program officers)
- Marketing manager (See 10022-Advertising, marketing and public relations managers)
- Other financial officers (11109)
- Urban and land use planners (21202)

### *Main duties*

This group performs some or all of the following duties:

- Develop policies and administer programs to promote industrial and commercial business investment in urban and rural areas
- Design market research questionnaires
- Conduct social or economic surveys on local, regional or national areas to assess development potential and future trends
- Plan development projects and coordinate activities with representatives of a wide variety of industrial and commercial enterprises, community and business associations and government agencies
- Assess business opportunities and develop strategies to attract venture capital
- Respond to enquiries from members of the business community and general public concerning development opportunities
- Review and evaluate commercial or industrial development proposals and provide advice on procedures and requirements for government approval
- Conduct surveys and analyze data on the buying habits and preferences of wholesale or retail consumers
- Evaluate customer service and store environments
- Conduct research on consumers, competitors and the market place to identify trends to optimize marketing strategies for industrial and commercial products
- Analyze promotional and marketing campaigns to identify improvements
- Develop social and economic profiles of urban and rural areas to encourage industrial and commercial investment and development
- Prepare reports, research papers, educational texts or articles
- Develop and apply E-commerce strategies
- Provide consultation on planning and starting of new businesses.

### *Employment requirements*

- A bachelor's degree in economics, commerce, business administration or public administration is required.
- Certification as a certified economic developer (Ec.D.) may be required.
- Certification as a Certified Marketing Research Professional (CMRP) may be required.

### *Additional information*

- Progression to managerial positions is possible with experience.

## **41403 Social policy researchers, consultants and program officers**

Social policy researchers, consultants and program officers conduct research, develop policy and implement or administer programs in areas such as consumer affairs, employment, home economics, immigration, law enforcement, corrections, human rights, housing, labour, family services, foreign aid and international

development. They are employed by government departments and agencies, hospitals, educational institutions, consulting establishments, professional associations, research institutes, non-government organizations and international organizations or they may be self-employed.

*Illustrative example(s)*

- Aboriginal issues lobbyist
- child welfare policy analyst
- community policing program consultant
- community social development officer
- consumer advisor
- employment equity policy consultant
- home economist
- housing policy analyst
- human rights officer
- immigration and citizenship consultant
- immigration policy analyst
- Indigenous affairs officer
- international aid and development project officer
- labour policy analyst
- social policy researcher
- social services planner
- social survey researcher (except statistician)

*Inclusion(s)*

- Aboriginal affairs development officer
- Aboriginal employment program officer
- affirmative action advisor

*Exclusion(s)*

- Business development officers and market researchers and analysts (41402)
- Economists and economic policy researchers and analysts (41401)
- Government managers - health and social policy development and program administration (40010)
- Health policy researchers, consultants and program officers (41404)
- Home economics teacher - secondary school (See 41220-Secondary school teachers)
- Non-governmental organization (NGO) manager (See 40030-Managers in social, community and correctional services)
- Social and community service workers (42201)
- Social workers (41300)

### *Main duties*

This group performs some or all of the following duties:

#### Social policy researchers

- Develop social programs and policies, social legislation, or proposals based on demographic, social and economic research, analysis and the evaluation of pilot projects.

#### Home economists

- Advise and assist consumers on the selection and proper use of food products, textiles and other consumer goods and teach household management skills. They may also provide consultative services in the areas of development and promotion of new food products, retail buying, social program administration and small business endeavours.

#### Housing policy analysts

- Identify and assess economic, demographic, and social developments and report on their implications for housing policy.

#### Immigration and citizenship consultants

- Conduct research, advise clients and prepare immigration, citizenship and visas applications. They may also represent clients at tribunals and before administrative bodies.

#### International aid and development project officers

- Plan, organize and administer foreign aid and international development policies and programs.

#### Social survey researchers

- Develop questionnaires, coordinate and conduct surveys, analyse data, and compile and interpret statistics on social issues and policy areas.

#### Social services planners

- Conduct research, develop social programs, assess, coordinate and develop awareness of existing social services, and ensure that duplication of services is avoided. They may also work with land use planners to determine the impact of major land use plans for transportation, housing and recreational facilities projects.

### *Employment requirements*

- A bachelor's degree or college diploma in a social science or related discipline, or in business administration is usually required.
- A master's degree in a social science or related discipline or in business administration may be required.
- Home economists require a bachelor's degree in home economics, home economics education, human ecology, nutrition and food sciences or family and consumer studies.
- Registration is available, but voluntary, for home economists but the use of the designation "Professional Home Economist" is regulated in New Brunswick, Ontario, Manitoba and Alberta, and "Registered Professional Home Economist" in British Columbia.
- Registration with the Immigration Consultants of Canada Regulatory Council is required for regulated Canadian immigration consultants.

### *Additional information*

- Progression to managerial positions is possible with experience.



## 41404 Health policy researchers, consultants and program officers

Health policy researchers, consultants and program officers conduct research, produce reports and administer health care policies and programs. They are employed by government departments and agencies, consulting establishments, universities, research institutes, hospitals, community agencies, educational institutions, professional associations, non-governmental organizations and international organizations.

### *Illustrative example(s)*

- child health care programs planning officer
- drug and alcohol abuse consultant
- health care consultant
- health care planner
- health policy research analyst
- health promotion program officer
- health services researcher
- mental health programs consultant
- policy development officer - nursing homes

### *Exclusion(s)*

- Education policy researchers, consultants and program officers (41405)
- Government managers - health and social policy development and program administration (40010)
- Managers in health care (30010)
- Social and community service workers (42201)
- Social policy researchers, consultants and program officers (41403)

### *Main duties*

This group performs some or all of the following duties:

- Assist in developing government health policy by reviewing relevant literature, conducting interviews, collecting and analysing statistical data, and providing advice to senior managers and officials on issues such as health promotion, regulation, standards and financing
- Design and implement health projects or programs
- Maintain, update and manage health information databases
- Compile and analyse statistical information provided by private and public health care institutions and organizations and produce reports
- Monitor and evaluate health care programs operated by government departments and agencies or private organizations
- Assess compliance with health standards and identify remedial action if necessary
- Conduct evaluations and assessments of health projects and programs
- Provide consulting services to clients in private establishments or government departments or agencies
- Respond to internal and external program and policy information requests
- Produce newsletters, magazines and other documents to provide information to association or organization members or the general public

- Present the views of an association or organization to politicians, government officials, the media or the general public.

Health policy researchers, consultants and program officers may specialize in a particular area of health policy development, research or program administration such as addiction research.

#### *Employment requirements*

- A bachelor's degree or college diploma in health science, public administration, recreation administration or hospital administration, or a bachelor's degree in social science, is required.
- A graduate degree in health, social science or an administrative discipline may be required.
- Several years of experience in the health field as a health care professional or as a community or social service worker are usually required.

#### *Additional information*

- Progression to managerial positions is possible with experience.

### **41405 Education policy researchers, consultants and program officers**

Education policy researchers, consultants and program officers conduct research, produce reports and administer elementary, secondary and post-secondary education policies and programs. They are employed by government departments, school boards, research institutes, professional associations and educational and other organizations throughout the public and private sectors, or they may be self-employed.

#### *Illustrative example(s)*

- curriculum developer
- curriculum planner
- education consultant
- education outreach program coordinator
- education policy officer
- education policy supervisor
- education program coordinator
- education program officer
- education researcher
- special education coordinator

#### *Inclusion(s)*

- course coordinator - college
- course coordinator - secondary school
- course coordinator - university
- language assessor
- online course coordinator - college
- online course coordinator - secondary school
- online course coordinator - university
- school inspector

*Exclusion(s)*

- College and other vocational instructors (41210)
- Educational counsellors (41320)
- Elementary school and kindergarten teachers (41221)
- Government managers - education policy development and program administration (40012)
- Psychology assistant (except university) (See 41403-Social policy researchers, consultants and program officers)
- Secondary school teachers (41220)

*Main duties*

This group performs some or all of the following duties:

- Conduct research, produce reports and administer education policies and programs
- Evaluate curriculum programs and recommend improvements
- Develop the structure, content and objectives of new programs
- Conduct statistical analyses to determine cost and effectiveness of education policies and programs
- Provide ongoing professional development, training and consultative services to teachers and other professionals throughout the public and private sector
- Develop teaching materials and other resources for program delivery
- Deliver presentations at conferences, workshops and symposia
- May supervise the work of other education policy researchers, consultants or program officers
- May administer specialized testing and assessment programs.

*Employment requirements*

- A bachelor's degree in education or in a discipline such as social science or business administration is required.
- A master's degree in education may be required.
- Specialized training or certification may be required.
- Several years of experience as a school teacher are usually required.
- A teacher's certificate for the province of employment is usually required when employed by provincial education ministries.

*Additional information*

- Progression to managerial positions is possible with experience.

**41406 Recreation, sports and fitness policy researchers, consultants and program officers**

Policy researchers, consultants and program officers in recreation, sports and fitness oversee and administer recreation, sports and fitness programs and activities, provide consulting services, conduct research and develop programs and policies related to recreation, sports and physical fitness. They are employed by federal, provincial and municipal governments, recreation, sports, fitness and health care facilities, retirement homes, community centres, sports and fitness consulting firms and organizations, or they may be self-employed.

*Illustrative example(s)*

- fitness policy analyst
- recreation consultant

- recreologist
- sports analyst
- sports and recreation consultant
- sports consultant
- sports policy analyst
- sports program supervisor

#### *Inclusion(s)*

- fitness consultant
- fitness coordinator

#### *Exclusion(s)*

- Program leaders and instructors in recreation, sport and fitness (54100)
- Recreation, sports and fitness program and service directors (50012)

#### *Main duties*

This group performs some or all of the following duties:

##### Recreation, sports and fitness consultants

- Provide expert advice and consulting services to communities, corporations, institutions, sports associations, community groups, corporations, schools and other organizations in the design, development and administration of sports programs and activities
- They may write proposals and public relations statements for corporations, industry and the fitness community.

##### Recreation, sports and fitness policy analysts

- Conduct research and develop government policies related to recreation, sports, fitness and athletic safety and standards.

##### Recreation, sports and fitness program supervisors

- Develop, plan and coordinate sports, fitness and recreation programs, and special sporting events.

#### *Employment requirements*

- A university degree in recreation administration, sports administration, physical education, kinesiology or related discipline combined with some work experience in a related field  
or  
A college diploma in a recreation, sports or fitness program combined with some experience in a related field is required.
- Recreation, sports and fitness program supervisors require experience as program leaders or instructors in recreation, sports and fitness. Certification in program specialization, such as fitness or lifesaving, may also be required.

#### *Additional information*

- Mobility among recreation, sports and fitness consultants may be restricted within individual area of expertise.
- Recreation, sports and fitness program supervisors may progress to recreation, sports and fitness management positions with experience.

## 41407 Program officers unique to government

Program officers unique to government are primarily concerned with the administration and operation of government institutions, such as Parliament, and activities unique to the operations of government, such as international relations, federal-provincial affairs, elections and tribunals.

### *Illustrative example(s)*

- attaché
- elections officer
- federal-provincial relations officer
- foreign service officer
- intergovernmental affairs officer
- office of the Speaker officer
- protocol officer
- returning officer
- royal commission officer
- standing or select committee officer
- tribunal officer

### *Exclusion(s)*

- Administrative officers (13100)
- Border services, customs, and immigration officers (43203)
- Court officer (See 14103-Court clerks and related court services occupations)
- Economists and economic policy researchers and analysts (41401)
- Employment insurance and revenue officers (12104)
- Executive assistants (12100)
- Justice of the peace (See 42200-Paralegals and related occupations)
- Social policy researchers, consultants and program officers (41403)

### *Main duties*

This group performs some or all of the following duties:

- Advise politicians or diplomats on the social, economic and political effects of government decisions on other governments in Canada or abroad
- Explain Canadian foreign and domestic policies to governments and nationals of foreign countries, and act on behalf of Canada abroad
- Collect, monitor and analyze international pressures, issues and communications and brief on intelligence and security matters
- Plan intergovernmental meetings and conferences with officers of other municipal, provincial or federal governments
- Coordinate the logistics and administration of elections within constituencies and ensure that electoral and voting procedures are followed
- Coordinate administrative support services for legislative committees, royal commissions or tribunals
- Participate as a member of a board or tribunal
- Plan logistics and oversee diplomatic protocol of official visits to Canada by foreign politicians and dignitaries.

### *Employment requirements*

- A bachelor's degree is usually required.
- A master's degree may be required.
- Several years of experience as a researcher, consultant or program administrator may be required.
- Foreign service officers are accepted on the basis of competitive examination.

## **41409 Other professional occupations in social science**

Other professional occupations in social science include anthropologists, archaeologists, geographers, historians, linguists, political scientists, sociologists and other professional occupations in social science. They are employed in universities and throughout the public and private sectors.

### *Illustrative example(s)*

- anthropologist
- archaeologist
- geographer
- gerontologist
- historian
- linguist
- political scientist
- psychometrist
- sociologist

### *Inclusion(s)*

- criminologist

### *Exclusion(s)*

- College and other vocational instructors (41210)
- Economists and economic policy researchers and analysts (41401)
- Mathematicians, statisticians and actuaries (21210)
- Psychologists (31200)
- Secondary school teachers (41220)
- Social policy researchers, consultants and program officers (41403)
- University professors and lecturers (41200)

### *Main duties*

This group performs some or all of the following duties:

#### **Anthropologists**

- Conduct studies of the origin, development and functioning of human societies and cultures and of human evolution, changing physical characteristics and geographical distribution.

#### **Archaeologists**

- Study artifacts (objects and structures) to reconstruct past economic, social, political and intellectual life.

### Criminologists

- Study crime, criminals, prevention and rehabilitation, and may assist and counsel individuals on their social reintegration.

### Geographers

- Study and analyse the spatial distribution and interrelationship of physical, biological, cultural and social patterns.

### Historians

- Conduct research into one or more phases or aspects of past human activity and interpret and document findings.

### Linguists

- Study the origin, structure and development of languages and apply linguistic theory to problems in teaching, translation and communications.

### Political scientists

- Conduct research into the theory, origin, development, interrelationships and functioning of political institutions, political movements and individual political behaviour.

### Psychometricians

- Develop psychological tests, scales and measures, and may administer or apply and interpret such tests, scales and measures. Psychometricists administer and score psychological tests, usually under the supervision of a registered psychologist.

### Sociologists

- Study the development, structure, social patterns and interrelationships of human society.

### Other social science professionals

- Specialize in particular areas of social sciences and humanities disciplines. These include gerontologists (specialists in the phenomena and problems of aging), graphoanalysts (specialists in handwriting analysis) and others.

Specialization usually exists within each of these occupations.

### *Employment requirements*

- A master's or doctoral degree in the discipline is usually required.
- In Quebec, membership in the regulatory body for criminologists is required to use the title "Criminologist".

### *Additional information*

- Specialization within each occupation occurs through specialized university study or through experience.

## **42 Front-line public protection services and paraprofessional occupations in legal, social, community, education services**

This major group comprises front-line public protection services and paraprofessional occupations in legal, social, community, education services. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three

years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

## **421 Occupations in front-line public protection services**

This sub-major group comprises occupations in front-line public protection services, including police officers other than commissioned, firefighters, and specialized members of the Canadian Armed Forces.

### **4210 Occupations in front-line public protection services**

This minor group comprises occupations in front-line public protection services, including police officers other than commissioned, firefighters, and specialized members of the Canadian Armed Forces. They are employed by municipal, regional, provincial, and federal governments; and large industrial establishments that have internal firefighting services.

#### **42100 Police officers (except commissioned)**

Police officers maintain order and enforce laws and regulations. They respond to emergency calls, patrol public areas, regulate traffic, control crowds, arrest offenders and build community relationships. They are employed by municipal and federal governments and some provincial and regional governments.

##### *Illustrative example(s)*

- community relations officer - police
- constable
- crime prevention constable
- harbour police officer
- highway patrol officer
- police cadet
- police officer
- police sergeant
- railway police officer
- Royal Canadian Mounted Police (RCMP) officer

##### *Inclusion(s)*

- crime scene technician - police
- police diver

##### *Exclusion(s)*

- By-law enforcement and other regulatory officers (43202)
- Commissioned police officers and related occupations in public protection services (40040)
- Police investigators and other investigative occupations (41310)
- Private detective (See 64410-Security guards and related security service occupations)
- Sheriffs and bailiffs (43200)



*Main duties*

This group performs some or all of the following duties:

- Respond to emergency calls and complaints, execute search warrants and arrest criminal suspects
- Patrol assigned areas on foot, horseback, bicycle and motorized vehicles to maintain public safety and order and to enforce laws and regulations
- Prepare reports to record incidents and patrol activities and to provide testimony in courts of law
- Provide emergency assistance to victims of accidents, crimes and natural disasters
- Monitor traffic to ensure motorists observe traffic regulations and test persons suspected of driving under the influence of alcohol and drugs
- Control crowds at public events and protests and monitor suspicious and violent behaviour
- Participate in crime prevention, public information, safety and community relations programs
- Perform daily administrative tasks in support of law enforcement activities, such as maintaining equipment and information files
- May assist police investigators in criminal investigations.

*Employment requirements*

- Completion of secondary school is required.
- Completion of a college program in police technology is required in Québec and usually required in other provinces and territories.
- A three- to six-month police training program is required.
- Physical agility, strength, fitness and vision requirements must be met, and psychological or other tests are also required.
- Specialized training or certification may be required for certain areas of policing.

*Additional information*

- Progression to investigative positions is possible with additional training and experience.

**42101 Firefighters**

Firefighters carry out firefighting and fire prevention activities, and assist in other emergencies. They are employed by municipal, provincial and federal governments and by large industrial establishments that have internal firefighting services. Apprentices are also included in this unit group.

*Illustrative example(s)*

- airport firefighter
- fire captain
- firefighter
- firefighter lieutenant
- industrial firefighter
- shipboard firefighter

*Exclusion(s)*

- Fire chiefs and senior firefighting officers (40041)
- Forest firefighter (See 84111-Silviculture and forestry workers)
- Paramedic (See 32102-Paramedical occupations)

### *Main duties*

This group performs some or all of the following duties:

- Respond to fire alarms and other calls for assistance, such as automobile and industrial accidents, bomb threats and other emergencies
- Rescue victims from burning buildings and accident sites
- Control and extinguish fires using manual and power equipment, such as axes, water hoses, aerial ladders and hydraulic equipment and various firefighting chemicals
- Administer first aid and other assistance
- Ensure proper operation and maintenance of firefighting equipment
- Prepare written reports on fire incidents
- Inform and educate the public on fire prevention
- Train to maintain high level of physical fitness
- Assist the public, the police and emergency organizations during times of major disasters
- May participate as members of a trauma or emergency response team and provide paramedical aid to accident victims or ill persons
- May supervise and coordinate the work of other firefighters
- May conduct building inspections to ensure compliance with fire code.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a college program in fire protection technology, fire science or a related field and  
A period of supervised practical training is usually required.
- Firefighting and emergency medical care training courses are provided and vary in length depending on the requirements of different fire departments or services.
- Certification for firefighters is compulsory in Nova Scotia, Quebec, Ontario, Manitoba and Alberta, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Saskatchewan, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Experience as a volunteer firefighter may be an advantage.
- Physical agility, strength, fitness and vision requirements must be met.
- Several years of experience are required for senior firefighters, such as lieutenants and captains.

### *Additional information*

- Progression to senior positions such as fire chief is possible with additional training and several years of experience.

## **42102 Specialized members of the Canadian Armed Forces**

Specialized members of the Canadian Armed Forces provide critical technological support for military armament. They are primarily responsible for the maintenance, inspection and technical support of all Canadian Army equipment. They also follow the military and strategic policies established by the leadership of the Canadian Army, the Royal Canadian Airforce, and the Royal Canadian Navy.

### *Illustrative example(s)*

- air weapons systems technician
- ammunition technician

- weapons engineering technician
- weapons technician

#### *Exclusion(s)*

- Commissioned officers of the Canadian Armed Forces (40042)
- Operations members of the Canadian Armed Forces (43204)
- Primary combat members of the Canadian Armed Forces (44200)

#### *Main duties*

This group performs some or all of the following duties:

- Certify ammunition, explosive items, munitions and non-munitions scrap to different degrees of classification
- Inspect, test, identify faults, adjust, repair, recondition and modify electrical, electromechanical, electronic, electro-optic and mechanical equipment, optical instruments, and control systems for weapons and missiles
- Maintain and repair machine-guns and non-guided anti-tank weapons, grenade projectors, mortars and launcher systems
- Test, inspect and repair air weapons systems
- Compile test logs, evaluation reports, equipment maintenance documentation and read and interpret electronic drawings.

#### *Employment requirements*

- Completion of secondary school is required.
- Three months of basic military training is required and provided.
- Occupational qualification training of at least two years is required.
- Specialized training in the operation and maintenance of military equipment and systems is provided.

#### *Additional information*

- Members of this unit group who demonstrate the required abilities and potential will be offered advanced training.

## **422 Paraprofessional occupations in legal, social, community and education services**

This sub-major group comprises paraprofessional occupations in legal, social, community and education services, including paralegals and related occupations; social and community service workers; early childhood educators and assistants; instructors of persons with disabilities; and religion workers.

### **4220 Paraprofessional occupations in legal, social, community and education services**

This minor group comprises paraprofessional occupations in legal, social, community and education services, including paralegals and related occupations; social and community service workers; early childhood educators and assistants; instructors of persons with disabilities; and religion workers. They are employed by government, and government agencies; law firms, legal departments, and trademark development and record search companies; social service and mental health agencies, group homes, shelters, and substance abuse centres; schools and school boards; correctional facilities, and prisons; child-care centres, daycare centres, kindergartens, and agencies for exceptional children; rehabilitation centres, and specialized educational institutes; driving schools, fabric retailers, and other commercial establishments; churches, synagogues, temples, and other places of worship; and hospitals; or they may be self-employed.

## 42200 Paralegals and related occupations

Paralegals prepare legal documents and conduct research to assist lawyers or other professionals. Independent paralegals provide legal services to the public as allowed by government legislation, or provide paralegal services on contract to law firms or other establishments. Justices of the peace administer oaths, issue subpoenas, summonses and warrants and perform other court-related duties such as conducting bail hearings. Notaries public administer oaths, take affidavits, sign legal documents and perform other activities according to the scope of their practice. Trademark agents advise clients on intellectual property matters. Paralegals are employed by law firms, by record search companies and in legal departments throughout the public and private sectors. Independent paralegals are usually self-employed. Justices of the peace are employed by federal, provincial, municipal, and territorial courts. Notaries public are employed by government and in the public and private sectors or they may be self-employed. Trademark agents are employed by law firms and legal departments throughout the public and private sectors, trademark development and search firms or they may be self-employed.

### *Illustrative example(s)*

- commercial law clerk
- commissioner of affidavits
- commissioner of marriages
- corporate paralegal
- family law paralegal
- independent paralegal
- judicial officer
- justice of the peace
- land titles examiner
- legal researcher
- notary public
- paralegal
- real estate law clerk
- registrar of bankruptcy
- title searcher
- trademark agent

### *Inclusion(s)*

- law clerk
- prothonotary

### *Exclusion(s)*

- Articling law student (See 41101-Lawyers and Quebec notaries)
- Legal administrative assistants (13111)
- Patent agent (See 41400-Natural and applied science policy researchers, consultants and program officers)
- Quebec notary (See 41101-Lawyers and Quebec notaries)
- Trademark lawyer (See 41101-Lawyers and Quebec notaries)

*Main duties*

This group performs some or all of the following duties:

**Paralegals**

- Assist lawyers by interviewing clients, witnesses and other related parties, assembling documentary evidence, preparing trial briefs, and arranging for trials
- Assist lawyers in preparation for mediation and judicial dispute resolutions
- Under the supervision of a lawyer, prepare wills, real estate transactions and other legal documents, court reports and affidavits
- Research records, court files and other legal documents
- Draft legal correspondence and perform general office and clerical duties.

**Independent paralegals**

- Represent clients in small claims court and in other lower court proceedings, at tribunals and before administrative bodies
- Advise clients and take legal action on landlord and tenant matters, traffic violations, name changes and other issues within their jurisdictions.

**Justices of the peace**

- Issue subpoenas, summonses and warrants, including search warrants
- Receive affidavits, declarations and affirmations
- Administer oaths
- Conduct bail hearings
- Release defendants on judges' orders and explain rights and obligations
- Hear evidence at trials on summary conviction offences and may preside over trials of criminal offences at the discretion of the chief judge of the jurisdiction or as provided for in federal, provincial, or territorial statutes
- Perform civil marriages
- Register wills, probate, bankruptcy, etc.

**Notaries public**

- Administer oaths and take affidavits and depositions
- Witness and certify the validity of signatures on documents
- May draft contracts, prepare promissory notes and draw up wills, mortgages and other legal documents
- May arrange probates and administer the estates of deceased persons.

**Trademark agents**

- Advise clients on intellectual property matters and represent clients before the Registrar of Trade-Marks on matters including prosecution of applications for registration of trademarks
- Advise on the registrability of trademarks, trademark licensing requirements, transfer of intellectual property and protection of existing trademark rights
- Represent clients at proceedings before the Trade Marks Opposition Board and in related proceedings
- May represent clients internationally in consultation with foreign associates and attorneys.

### *Employment requirements*

- Paralegals in law firms require a bachelor's degree in law or a law college diploma and in-house training from a law firm or other legal establishment.
- Independent paralegals require knowledge of legal principles and procedures usually obtained through industry-sponsored courses and through experience, or through completion of a community college paralegal program.
- Paralegals require a licence to perform advanced legal services.
- Justices of the peace requirements can vary from a background in law and the justice system, completion of a justice registrar, justice of the peace or other court training program depending on their duties and responsibilities.
- Justices of the peace in the provinces are appointed by the lieutenant governor in council and, in the territories, by federally appointed territorial commissioners.
- Notaries public usually require a university degree in law or a related field.
- Notaries public are appointed after examination and certification of their qualifications by the governing judiciary in their province or territory. All appointments have specific limitations on the activities they can perform and for specific periods of time.
- Notaries public require a provincial licence. In British Columbia, membership in the Society of Notaries Public is also required.
- To be licensed, trademark agents are required to work in the area of trademark law, including the preparation and prosecution of trademark applications for registration, for two years and to successfully complete the examination conducted jointly by the Intellectual Property Institute of Canada and the Registrar of Trade-Marks, Canadian Intellectual Property Office or either one of the above and to be a lawyer entitled to practise in Canada.
- Trademark agents require registration with the federal Trade-Mark Office.

### *Additional information*

- Notaries public usually receive in-house training and perform their duties in rural or remote areas or in the business offices in which they are employed.
- The duties and responsibilities of justices of the peace vary significantly depending on the level of their authority. They may be employed part-time on a fee-for-service basis in small communities. Their duties range from performing civil marriages, receiving affidavits and similar documents, to presiding in courts and hearings and determining prosecutions under provincial/territorial and federal laws.

## **42201 Social and community service workers**

Social and community service workers administer and implement a variety of social assistance programs and community services, and assist clients to deal with personal and social problems. They are employed by social service and government agencies, mental health agencies, group homes, shelters, substance abuse centres, school boards, correctional facilities and other establishments.

### *Illustrative example(s)*

- Aboriginal outreach worker
- addictions worker
- child and youth worker
- community development worker
- community service worker
- crisis intervention worker
- developmental service worker

- drop-in centre worker
- family service worker
- group home worker
- income maintenance officer - social services
- life skills instructor
- mental health worker
- rehabilitation worker - social services
- social services worker
- veteran services officer
- welfare and compensation officer
- women's shelter supervisor
- youth worker

#### *Inclusion(s)*

- residential counsellor - group home

#### *Exclusion(s)*

- Activities leader - seniors (See 54100-Program leaders and instructors in recreation, sport and fitness)
- Educational counsellors (41320)
- Instructors of persons with disabilities (42203)
- Managers in social, community and correctional services (40030)
- Social workers (41300)
- Therapists in counselling and related specialized therapies (41301)

#### *Main duties*

This group performs some or all of the following duties:

- Review client background information, interview clients to obtain case history and prepare intake reports
- Assess clients' relevant skill strengths and needs
- Assist clients to sort out options and develop plans of action while providing necessary support and assistance
- Assess and investigate eligibility for social benefits
- Refer clients to other social services or assist clients in locating and utilizing community resources including legal, medical and financial assistance, housing, employment, transportation, day care and other services
- Counsel clients living in group homes and halfway houses, supervise their activities and assist in pre-release and release planning
- Participate in the selection and admission of clients to appropriate programs
- Implement life skills workshops, substance abuse treatment programs, behaviour management programs, youth services programs and other community and social service programs under the supervision of social services or health care professionals
- Meet with clients to assess their progress, give support and discuss any difficulties or problems
- Assist in evaluating the effectiveness of treatment programs by tracking clients' behavioural changes and responses to interventions
- Advise and aid recipients of social assistance and pensions

- Provide crisis intervention and emergency shelter services
- Implement and organize the delivery of specific services within the community
- Maintain contact with other social service agencies and health care providers involved with clients to provide information and obtain feedback on clients' overall progress
- Mobilise and coordinate volunteer resources and activities for a range of organizations such as human service agencies, health care facilities, arts and sports centres, etc.
- May maintain program statistics for purposes of evaluation and research
- May supervise social service support workers and volunteers.

#### *Employment requirements*

- Completion of a college or university program in social work, child and youth care, psychology or other social science or health-related discipline is usually required.
- Previous work experience in a social service environment as a volunteer or in a support capacity may replace formal education requirements for some occupations in this unit group.
- Social service workers may be required to be a member of a provincial regulatory body in some provinces.

#### *Additional information*

- Progression to professional occupations in social services, such as family and marriage counsellors, social workers, and probation and parole officers, is possible with additional training and experience.

### **42202 Early childhood educators and assistants**

Early childhood educators plan, organize and implement programs for children between the ages of infancy and 12 years. Early childhood educator assistants provide care for infants and preschool- to school-age children under the guidance of early childhood educators. Early childhood educators and assistants lead children in activities to stimulate and develop their intellectual, physical and emotional growth and ensure their security and well-being. They are employed in child-care centres, daycare centres, kindergartens, agencies for exceptional children and other settings where early childhood education services are provided. Supervisors of early childhood educators and assistants are included in this unit group.

#### *Illustrative example(s)*

- child care worker assistant
- daycare helper
- daycare supervisor
- daycare worker
- early childhood assistant
- early childhood education worker
- early childhood educator (ECE)
- early childhood educator (ECE) assistant
- early childhood educator - preschool
- early childhood program staff assistant
- early childhood supervisor
- preschool helper
- preschool supervisor



*Inclusion(s)*

- daycare teacher
- educator assistant - junior kindergarten
- nursery school teacher

*Exclusion(s)*

- Child-care centre administrator (See 40030-Managers in social, community and correctional services)
- Elementary and secondary school teacher assistants (43100)
- Elementary school and kindergarten teachers (41221)

*Main duties*

This group performs some or all of the following duties:

*Early childhood educators*

- Develop and implement child-care programs that support and promote the physical, cognitive, emotional and social development of children
- Lead activities by telling or reading stories, teaching songs, taking children to local points of interest and providing opportunities to express creativity through the media of art, dramatic play, music and physical activity
- Plan and maintain an environment that protects the health, security and well-being of children
- Assess the abilities, interests and needs of children and discuss progress or problems with parents and other staff members
- Observe children for signs of potential learning or behavioural problems and prepare reports for parents, guardians or supervisor
- Guide and assist children in the development of proper eating, dressing and toilet habits
- Establish and maintain collaborative relationships with co-workers and community service providers working with children
- May plan and organize activities for school-age children in child-care programs before and after regular school hours
- May supervise and coordinate activities of other early childhood educators and early childhood educator assistants.

*Early childhood educator assistants*

- Support early childhood educators in carrying out programs that promote the physical, cognitive, emotional and social development of children
- Engage children in activities by telling stories, teaching songs and preparing crafts
- Prepare snacks and arrange rooms or furniture for lunch and rest periods
- Assist with proper eating, dressing and toilet habits
- Submit written observations on children to early childhood educators or supervisors
- Maintain daycare equipment and assist in housekeeping and cooking duties
- Attend staff meetings to discuss progress and problems of children
- May assist early childhood educators or supervisors in keeping records.

### *Employment requirements*

#### Early childhood educators

- Completion of a two- to four-year college program in early childhood education or  
A bachelor's degree in child development is required.
- Licensing is required in Ontario and certification is required in British Columbia for early childhood educators. Licensing for early childhood educators is usually required in all other provinces and territories.

#### Early childhood educator assistants

- Completion of secondary school is required.
- Experience in child care is required.
- Completion of an early childhood education assistant certificate program or post-secondary courses in early childhood education may be required.
- Licensing by a provincial or territorial association as an early childhood educator may be required.

### *Additional information*

- Progression to senior positions, such as daycare supervisor, is possible with several years of experience or with experience and advanced ECE qualification levels.

## **42203 Instructors of persons with disabilities**

Instructors of persons with disabilities teach children and adults using a variety of techniques to facilitate communication, rehabilitation, social skills and increased independence. They are employed in rehabilitation centres, specialized educational institutes and throughout the school system.

### *Illustrative example(s)*

- braille instructor
- instructor of persons who are deaf
- instructor of persons who are hard of hearing
- instructor of persons with a learning disability
- instructor of persons with a mobility impairment
- instructor of persons with a visual impairment
- instructor of persons with special needs
- lip-reading instructor
- orientation and mobility instructor
- sign language instructor
- teacher for persons with intellectual disabilities

### *Exclusion(s)*

- Occupational therapy rehabilitation consultant (See 31203-Occupational therapists)
- Special education technician - social and community services (See 42201-Social and community service workers)
- Special needs educational assistant (See 43100-Elementary and secondary school teacher assistants)
- Special needs teacher - elementary school (See 41221-Elementary school and kindergarten teachers)

- Special needs teacher - secondary school (See 41220-Secondary school teachers)
- Speech and hearing therapist (See 31112-Audiologists and speech-language pathologists)

### *Main duties*

This group performs some or all of the following duties:

- Develop individualized education and intervention plans based on special needs of client to facilitate their readaptation and independence objectives
- Assess individuals in areas such as physical limitations, orientation and mobility skills, and cognitive, social and emotional barriers to establish client rehabilitation or adaptation goals
- Assist individuals with physical, intellectual, visual and hearing disabilities or multiple disorders to develop life skills and provide job training
- Instruct individuals with disabilities and their families in the use of rehabilitative techniques, prosthetic devices, wheelchairs and other equipment designed to maximize clients' independence and potential
- Instruct persons with a visual impairment in reading and writing braille and in the use of special equipment or supports such as human or animal guides, long canes and other adaptive mobility devices
- Instruct persons who are hard of hearing or deaf in lip-reading, finger spelling and sign language according to individual communication needs
- Instruct persons who are hard of hearing or deaf in the formation and development of sounds for speech using hearing aids, and other devices and techniques
- Collaborate with specialists, such as rehabilitation counsellors, speech-language pathologists and occupational therapists, to develop programs for clients' special needs.

### *Employment requirements*

- Completion of a college program in special education, rehabilitation, orientation and mobility, visual impairment, hearing impairment or intellectual disability is required.
- A bachelor's degree in special education or a related field such as social work or psychology may be required.

## **42204 Religion workers**

Religion workers include brothers, nuns, monks, religious education workers and others who provide support to ministers of religion or to a religious community and who perform certain functions associated with the practice of a religion. They may perform these duties in churches, synagogues, temples or other places of worship; in institutions such as schools, hospitals and prisons; or in industrial facilities, corporate enterprises; or they may work in private practice.

### *Illustrative example(s)*

- brother/sister - religion
- Christian science practitioner
- deacon
- missionary
- monk
- nun
- pastoral animator
- religious education worker
- Salvation Army field worker

*Inclusion(s)*

- cantor

*Exclusion(s)*

- Medical missionary (See 31102-General practitioners and family physicians)
- Religious leaders (41302)

*Main duties*

This group performs some or all of the following duties:

- Assist at services of public worship and religious rites
- Provide religious education, spiritual guidance and moral support to members of a religious community
- Conduct outreach activities and facilitate community involvement
- Administer programs providing food, clothing and shelter
- May plan, organize and lead worship services and church activities for a specific audience.

*Employment requirements*

- Completion of college, university or other program in religious studies may be required, depending on the particular occupation and religion.
- There may be other employment requirements depending on the particular occupation and religion.

**43 Assisting occupations in education and in legal and public protection**

This major group comprises assisting occupations in education and in legal and public protection. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

**431 Assisting occupations in educational**

This sub-major group comprises assisting occupations in education, including elementary and secondary school teacher assistants, and other instructors.

**4310 Assisting occupations in education**

This minor group comprises assisting occupations in education, including elementary and secondary school teacher assistants, and other instructors. They are employed by public and private elementary, secondary, and special needs schools and treatment centres; driving schools, fabric retailers and other commercial establishments; or they may be self-employed.

**43100 Elementary and secondary school teacher assistants**

Elementary and secondary school teacher assistants support students, and assist teachers and counsellors with teaching and non-instructional tasks. They assist in areas of personal care, teaching and behaviour management under the supervision of teachers or other child care professionals. They are employed in public and private elementary, secondary and special needs schools and treatment centres.

*Illustrative example(s)*

- educational assistant
- educational resources assistant
- homework assistant
- remedial education aide
- special education assistant

*Exclusion(s)*

- Early childhood educators and assistants (42202)
- Elementary school and kindergarten teachers (41221)
- Instructors of persons with disabilities (42203)
- Post-secondary teaching and research assistants (41201)
- Student monitors, crossing guards and related occupations (45100)

*Main duties*

This group performs some or all of the following duties:

- Assist students with integration into the classroom and school setting
- Help students individually or in small groups with assignments and reinforce learning and retention concepts under the supervision of the classroom teacher
- Assist students with special needs using techniques such as sign language, braille and remedial programs
- Monitor and report student progress to classroom teacher
- Accompany and supervise students during activities in school gymnasiums, laboratories, libraries, resource centres and on field trips
- May assist teacher in the operation of projectors, tape recorders and other audio-visual or electronic equipment
- May assist in school library or office and perform other duties assigned by the school principal
- May monitor students during recess, at noon hour or during the day.

*Employment requirements*

- Completion of secondary school is required.
- Teacher assistants usually require completion of a 10-month college program in teaching assistance, educational assistance or other social science program.
- Teacher assistants who help students with special needs usually require specialized training and experience.

*Additional information*

- Mobility to other occupations related to child care and adolescent supportive instruction is possible with experience.

**43109 Other instructors**

Other instructors teach courses, such as motor vehicle or motorcycle driving, sailing and navigation, sewing or other courses, which are outside of educational institutions. They are employed by driving schools, fabric retailers and other commercial establishments or they may be self-employed. This unit group also includes modelling and

finishing school instructors, driver's licence examiners, who are employed by provincial governments and tutors who provide instruction in elementary or secondary school subjects.

*Illustrative example(s)*

- driver's licence examiner
- driving instructor
- modelling instructor
- motorcycle driving instructor
- sewing instructor - non-vocational

*Inclusion(s)*

- truck driving instructor

*Exclusion(s)*

- College and other vocational instructors (41210)
- Elementary school and kindergarten teachers (41221)
- Secondary school teachers (41220)

*Main duties*

This group performs some or all of the following duties:

Driving instructors

- Instruct individuals on proper motor vehicle driving skills and traffic regulations
- Demonstrate and explain the handling and mechanical operation of motor vehicles
- Supervise individuals during practice driving.

Driver's licence examiners

- Conduct road test examinations
- Evaluate the driving ability of applicants for driver's licences.

Sewing instructors

- Give instruction to students in techniques and skills of sewing, tailoring and dressmaking.

Modelling instructors

- Give instruction on modelling techniques for fashion shows and magazine advertising.

*Employment requirements*

- Enrollment in or completion of post-secondary school in a related discipline may be required for tutors, secondary and elementary school subjects.
- Expertise in the field of instruction must be demonstrated.
- Driving instructors must obtain special licensing as a driving instructor in the province of employment.
- Certification by the Canadian Yachting Association may be required for sailing and navigation instructors.

## 432 Assisting occupations in legal and public protection

This sub-major group comprises assisting occupations in legal and public protection, including sheriffs and bailiffs, including correctional service officers; by-law enforcement and other regulatory officers; border services, customs, and immigration officers; and operations members of the Canadian Armed Forces.

### 4320 Assisting occupations in legal and public protection

This minor group comprises assisting occupations in legal and public protection, including Sheriffs and bailiffs; correctional service officers; by-law enforcement and other regulatory officers; border services, customs, and immigration officers; and operations members of the Canadian Armed Forces. They are employed by provincial and territorial courts; federal, provincial, and municipal governments; provincial and municipal agencies; and in private service as agents for creditors.

#### 43200 Sheriffs and bailiffs

Sheriffs execute and enforce court orders, warrants and writs, participate in seizure and sale of property and perform courtroom and other related duties. Bailiffs serve legal orders and documents, seize or repossess properties, evict tenants and perform other related activities. Sheriffs and bailiffs must usually complete a training program offered by the province to work in the provincial courts. They are employed by federal, provincial, territorial and municipal courts, and bailiffs may be employed as officers of the court or in private service as agents for creditors.

##### *Illustrative example(s)*

- bailiff
- deputy sheriff
- sheriff
- sheriff's bailiff
- sheriff's officer

##### *Exclusion(s)*

- Correctional service officers (43201)
- Court clerks and related court services occupations (14103)
- Probation and parole officers (41311)

##### *Main duties*

This group performs some or all of the following duties:

- Serve statements of claims, summonses, warrants, jury summonses, orders to pay spousal support, and other court orders
- Serve writs of execution by seizing and selling property and distributing the proceeds according to court decisions
- Locate property and make seizures and removals under various acts of Parliament
- Provide courthouse security for judges and perimeter security for the courthouse
- Escort prisoners to and from courts and correctional institutions
- Prepare comprehensive reports and affidavits and maintain records
- Attend court, escort witnesses and assist in maintaining order
- Ensure security support services for sequestered juries
- Issue warrants for imprisonment, arrest or apprehension.

### *Employment requirements*

- Completion of secondary school is required.
- A college diploma or bachelor's degree in legal studies is usually required.
- Sheriffs require experience as a deputy sheriff or bailiff and/or in custodial/escort or security work.
- Bailiffs usually require some work experience related to law enforcement as well as knowledge of relevant statutes and laws.
- Mandatory provincial training may be required.
- Membership in the provincial regulatory body is mandatory in Quebec.

### *Additional information*

- Progression to supervisory positions is possible with additional experience and in-house training.
- Sheriffs and bailiffs may also serve as court officers (14.103), depending on the location and size of the courthouse.

## **43201 Correctional service officers**

Correctional service officers guard offenders and detainees and maintain order in correctional institutions and other places of detention. Primary workers develop women offender's correctional plan and work with other service officers in the correctional team. They are employed by federal, provincial and municipal governments. Correctional service officers who are supervisors are included in this unit group.

### *Illustrative example(s)*

- correctional facility guard
- correctional officers supervisor
- correctional service officer
- primary worker/kimisinaw - correctional service
- prison guard

### *Inclusion(s)*

- detention attendant

### *Exclusion(s)*

- Detention home worker (See 42201-Social and community service workers)
- Managers in social, community and correctional services (40030)
- Probation and parole officers (41311)
- Social workers (41300)

### *Main duties*

This group performs some or all of the following duties:

- Observe conduct and behaviour of offenders and detainees to prevent disturbances and escapes
- Supervise offenders during work assignments, meals and recreation periods
- Patrol assigned area and report any problems to supervisor
- Conduct security checks and scanning of visitors, inmates and their cells, working areas and recreational activity areas



- Observe behaviour of offenders and prepare reports
- Escort detainees in transit and during temporary leaves
- Prepare admission, program, release, transfer and other reports
- May supervise and coordinate work of other correctional service officers
- May develop offenders' correctional plan and facilitate their participation in reintegration programs in collaboration with psychologists, behavioral counsellors, parole officers and others.

#### *Employment requirements*

- Completion of secondary school is required.
- Post-secondary education in correctional services, police studies or criminology is required in New Brunswick, Quebec, Alberta and Prince Edward Island.
- Correctional officer recruits must successfully complete the Correctional Service of Canada training course to be employed by federal institutions.
- Correctional officer recruits are usually required to complete a basic training course to be employed by provincial/territorial institutions.
- Physical agility, strength and fitness requirements must be met.
- Correctional service supervisors require experience as a correctional service officer.
- First aid certification and cardiopulmonary resuscitation (CPR) training are usually required.

#### *Additional information*

- Primary workers are the primary daily contact for women offenders.

### **43202 By-law enforcement and other regulatory officers**

By-law enforcement and other regulatory officers enforce by-laws and regulations of provincial and municipal governments. They are employed by provincial and municipal governments and agencies.

#### *Illustrative example(s)*

- animal control officer
- by-law enforcement officer
- commercial transport inspector
- garbage collection inspector
- liquor licence inspector
- parking control officer
- property standards inspector
- taxi inspector
- zoning inspector

#### *Exclusion(s)*

- Employment insurance and revenue officers (12104)
- Engineering inspectors and regulatory officers (22231)
- Occupational health and safety specialists (22232)
- Police officers (except commissioned) (42100)
- Sheriffs and bailiffs (43200)

### *Main duties*

This group performs some or all of the following duties:

#### Animal control officers

- Respond to citizen complaints concerning stray domestic animals, livestock and wildlife
- Issue warnings and citations to owners
- Impound lost, homeless and dangerous animals.

#### By-law enforcement officers

- Enforce municipal and provincial regulations
- Investigate complaints
- Issue warnings and citations to commercial and residential property owners and occupants.

#### Commercial transport inspectors

- Inspect commercial vehicles to ensure compliance with regulations governing load restrictions, the transportation of hazardous materials and public safety.

#### Garbage collection inspectors

- Investigate complaints concerning infractions of garbage collection by-laws.

#### Liquor licence inspectors

- Conduct inspections of licensed establishments
- Advise licensees on laws and regulations
- Report contravention of laws and regulations to provincial liquor control boards and agencies.

#### Parking control officers

- Enforce parking by-laws on city streets, regional roads and municipal properties.

#### Taxi inspectors

- Inspect taxicabs for mechanical reliability, cleanliness, licensing and meter accuracy
- Investigate public complaints, issue citations and prepare reports
- Give evidence to city councils, taxi commissions and in court.

#### Zoning inspectors

- Investigate properties in violation of zoning and related by-laws, after receiving requests for licence clearances pertaining to zoning and related by-laws, and on receipt of building permit applications.

By-law enforcement officers may specialize in the enforcement of one specific by-law.

### *Employment requirements*

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
or  
Experience in a related administrative or regulatory occupation is usually required.

- Zoning inspectors or zoning enforcement officers may require a college diploma as a civil engineering or architectural technologist or technician and several years of experience in enforcement and/or building construction or a related field.
- On-the-job training is provided.

### **43203 Border services, customs, and immigration officers**

Border services, customs, and immigration officers administer and enforce laws and regulations related to immigration, customs and border crossing. They are employed by government agencies.

#### *Illustrative example(s)*

- border services officer (BSO)
- customs inspector
- customs officer
- immigration agent - government services
- immigration examining officer

#### *Exclusion(s)*

- Employment insurance and revenue officers (12104)
- Government managers - economic analysis, policy development and program administration (40011)
- Government managers - health and social policy development and program administration (40010)
- Social policy researchers, consultants and program officers (41403)

#### *Main duties*

This group performs some or all of the following duties:

##### Border services and customs officers

- Conduct interviews, using inspections and information-seeking techniques, at border points as part of primary and secondary inspections for immigration, food, plant and animals, and customs program functions
- Inspect baggage to detect undeclared merchandise, or contraband
- Inform manufacturers and shippers of customs and laws and procedures
- Observe fabrication of articles affected by customs laws and conduct appraisals
- Board carriers arriving from foreign countries to determine nature of cargo to ensure compliance with customs and commerce laws
- Inspect goods imported by mail
- Apply applicable legislation, policies, and procedure when screening and/or inspecting people and goods
- May conduct an arrest, detention, or conduct personal search of individuals suspected of having committed a criminal offence under the Customs Act or certain other designated Criminal Code offences until police intervention is possible
- Operate firearms and use defensive tactics and physical force when necessary in the performance of duties.

##### Immigration officers

- Determine admissibility of persons seeking entry into Canada by examining documents and conducting interviews
- Grant landed-immigrant status, admit persons or order detention or deportation

- Locate and apprehend persons presumed to be infringing on immigration laws
- Assist in the removal of deported people by seeking authorization from receiving countries and securing necessary travel documents
- Appear as a witness in cases related to immigration appeals.

#### *Employment requirements*

- Completion of secondary school is required.
- A four-week online training and a four-and-half-month specialized training at the CBSA College are required for border services officers.
- Successful pass of the officer trainee entrance exam (OTEE), successful completion of the Canadian Firearms Safety Course (CGSC) and the Canadian Restricted Firearms Safety Course (CRFSC) is required for border services officers.
- Must pass psychological assessment, physical abilities requirement evaluation (PARE) and medical exam to be a border services officer.
- Border services student officers must complete Control and Defensive Tactics (CDT) training.
- Completion of specialized government training is usually required.
- A driver's license is required.

#### *Additional information*

- Border services officers must be willing to work anywhere in Canada, including rural and remote areas.
- Progression to managerial positions in these fields is possible with experience.

### **43204 Operations members of the Canadian Armed Forces**

Operations members of the Canadian Armed Forces provide operational support to soldiers including the proper functioning and testing of military equipment such as vehicles, ships and weapons. They follow the military and strategic policies established by the leadership of the Canadian Army, the Royal Canadian Airforce and the Royal Canadian Navy.

#### *Illustrative example(s)*

- airborne electronic sensor operator
- assault pioneer
- combat engineer
- naval combat information operator
- sonar operator

#### *Exclusion(s)*

- Commissioned officers of the Canadian Armed Forces (40042)
- Primary combat members of the Canadian Armed Forces (44200)
- Specialized members of the Canadian Armed Forces (42102)

#### *Main duties*

This group performs some or all of the following duties:

- Analyze equipment and system performance on all combat information equipment
- Maintain and operate engineering equipment, including weapons, vehicles, heavy equipment and supplies

- Inspect motors in operation, road test motor vehicles, and test automotive systems and components using computerized diagnostic and other testing devices to diagnose and isolate faults
- Configure and operate intelligence, surveillance and recognizance systems
- Oversee the construction of tools and devices to enable infantry soldiers to cross natural and man-made obstacles and break through enemy defenses
- Operate weapons and missile related equipment for defense.

#### *Employment requirements*

- Completion of secondary school is required.
- Three months of basic military training is required and provided.
- Occupational qualification training of at least six months is required.
- Specialized training in the operation and maintenance of military equipment and systems is provided.

#### *Additional information*

- Members of this unit group who demonstrate the required abilities and potential will be offered advanced training.

## **44 Care providers and legal and public protection support occupations**

This major group comprises care providers (including home care providers) and legal and public protection support occupations (including primary combat members of the Canadian Armed Forces). These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 4. Occupations classified in TEER 4, as those included in this group with a 4 as the second digit of their code, typically require completion of secondary school; or several weeks of on-the-job training with some secondary school education; or experience in a related occupation from TEER 5, when applicable (TEER 5 includes occupations with a 5 as a second digit in their code).

### **441 Home care provider occupations**

This sub-major group comprises home care provider occupations, including home child care providers, and home support workers, caregivers and related occupations.

#### **4410 Home care provider occupations**

This minor group comprises home care provider occupations, including home child care providers, and home support workers, caregivers and related occupations. They are employed by private households; child-care, home care, and support agencies; in other non-institutional, residential settings; or they may be self-employed.

##### **44100 Home child care providers**

Home child care providers care for children on an ongoing or short-term basis. They care for the well-being and physical and social development of children, assist parents with child care and may assist with household duties. They provide care primarily in their own homes or in the children's homes, where they may also reside. They are employed by private households and child-care agencies, or they may be self-employed.

#### *Illustrative example(s)*

- babysitter
- child care live-in caregiver
- child care provider - private home

- nanny
- parent's helper

*Inclusion(s)*

- babysitter - fitness centre
- babysitter - shopping centre
- foster parent

*Exclusion(s)*

- Child care worker - daycare (See 42202-Early childhood educators and assistants)
- Live-in caregiver - persons with disabilities (See 44101-Home support workers, caregivers and related occupations)
- Live-in caregiver - seniors (See 44101-Home support workers, caregivers and related occupations)

*Main duties*

This group performs some or all of the following duties:

Home child care providers

- Supervise and care for children in employer's or own residence
- Bathe, dress and feed infants and children
- Prepare formulas and change diapers for infants
- Plan, prepare and serve meals for children and may perform other housekeeping duties
- Oversee children's activities, such as meals and rest periods, as instructed by employer
- Maintain a safe and healthy environment in the home
- Instruct children in personal hygiene
- Tend to the emotional well-being of children and support their social development
- Discipline children according to the methods requested by the parents
- Provide age-appropriate educational training through organized activities such as games, crafts, reading and outings
- Take children to and from school and appointments
- May be required to keep records of daily activities and health information regarding each child.

Foster parents

- Care for foster children, usually on an emergency or temporary basis, as a primary guardian under general direction of foster parent agency
- Consult foster parent agency supervisors for advice and when problems arise
- Administer foster care programs for foster children, as directed by foster parent agency social workers.

*Employment requirements*

- Completion of secondary school may be required.
- Home child care providers, parent's helpers and foster parents may require completion of a training program in child care or a related field.
- Child care or household management experience may be required.

- Demonstrated ability to perform work is usually required.
- First aid certification and cardiopulmonary resuscitation (CPR) training may be required.

#### *Additional information*

- There is mobility among occupations in this group.

### **44101 Home support workers, caregivers and related occupations**

Home support workers, caregivers and related occupations, provide personal care and companionship for seniors, persons with disabilities and convalescent clients. They provide care in the client's residence, where they may also reside. They are employed by home care and support agencies, private households, or they may be self-employed.

#### *Illustrative example(s)*

- attendant for persons with disabilities - home care
- family caregiver
- home support worker
- live-in caregiver
- live-in caregiver - seniors
- personal aide - home support
- personal care attendant - home care
- respite worker - home support

#### *Inclusion(s)*

- doula

#### *Exclusion(s)*

- Home child care providers (44100)

#### *Main duties*

This group performs some or all of the following duties:

- Provide care and companionship for individuals and families during periods of incapacitation, convalescence or family disruption
- Administer bedside and personal care to clients such as aid in ambulation, bathing, personal hygiene, and dressing and undressing
- Plan and prepare meals and special diets, and feed or assist in feeding clients
- May perform routine health-related duties such as changing non-sterile dressings, assisting in the administration of medications and collecting specimens under the general direction of home care agency supervisor or nurse
- May perform routine housekeeping duties such as laundry, washing dishes and making beds.

#### *Employment requirements*

- Some secondary school education is usually required.
- Home management experience may be required.
- College or other courses in home support may be required.

- First aid certification may be required.
- Completion of a training program in care of the elderly, care of persons with disabilities, convalescent care or in a related field may be required.

*Additional information*

- There is mobility among the occupations in this group.

## **442 Primary combat members of the Canadian Armed Forces**

This sub-major group comprises primary combat members of the Canadian Armed Forces.

### **4420 Primary combat members of the Canadian Armed Forces**

This minor group comprises primary combat members of the Canadian Armed Forces.

#### **44200 Primary combat members of the Canadian Armed Forces**

Primary combat members of the Canadian Armed Forces provide collective defence measures to protect Canadian waters, land, air space and other interests. They conduct raids and ambushes in combat missions and conduct patrols and escorts in security and stability missions. They also follow the military and strategic policies established by the leadership of the Canadian Army, the Royal Canadian Airforce and the Royal Canadian Navy.

*Illustrative example(s)*

- armoured soldier - Canadian Army
- infanteer
- infantry soldier
- soldier - Canadian Army

*Exclusion(s)*

- Commissioned officers of the Canadian Armed Forces (40042)
- Operations members of the Canadian Armed Forces (43204)
- Specialized members of the Canadian Armed Forces (42102)

*Main duties*

This group performs some or all of the following duties:

- Provide assistance in emergency situations, such as civil disorder, natural disasters and major accidents
- Operate armoured vehicles, artillery, hand-held weapons and other military combat equipment and defense systems
- Engage in non-combat operations for humanitarian efforts
- Participate in drills and other training in preparation for peacekeeping, combat and natural disaster relief
- Maintain weapon systems, vehicles, survival gear and personal defensive equipment
- Perform underwater search and recovery operations
- Use tactics of camouflage and concealment, patrol, attack, defense, and evasion when engaged in combat missions.



*Employment requirements*

- Completion of secondary school is usually required.
- Three months of basic military training is required and provided.
- Specialized training in the operation of military equipment and systems is provided.

*Additional information*

- As they progress in their careers, members of this unit group who demonstrate the required abilities and potential will be offered advanced training.

**45 Student monitors, crossing guards and related occupations**

This major group comprises student monitors, crossing guards and related occupations. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 5. Occupations classified in TEER 5, as those included in this group with a 5 as the second digit of their code, are typically accessible with short work demonstration and no formal educational requirements.

**451 Student monitors, crossing guards and related occupations**

This sub-major group comprises student monitors, crossing guards and related occupations.

**4510 Student monitors, crossing guards and related occupations**

This minor group comprises student monitors, crossing guards and related occupations. They are employed by municipalities; public and private elementary and secondary schools; and public and private security agencies.

**45100 Student monitors, crossing guards and related occupations**

Student monitors, crossing guards and workers in related occupations supervise students to ensure their safety and monitor their behaviour during indoor or outdoor breaks and before and after school hours. School monitors are employed by public and private elementary and secondary schools. Crossing guards are employed by municipalities, public and private security agencies and schools.

*Illustrative example(s)*

- bus monitor
- crossing guard
- lunch monitor
- lunch supervisor
- school lunchroom supervisor

*Exclusion(s)*

- Elementary and secondary school teacher assistants (43100)
- Security guards and related security service occupations (64410)

*Main duties*

This group performs some or all of the following duties:

*Student monitors*

- Monitor school buildings and grounds to help ensure the security of the students and the school
- Monitor student's lockers and lunch areas

- Monitor students during recess, at noon hour or during the day on school grounds
- Record and report students' absences, accidents, behaviours and issues
- May monitor security cameras and report incidents and infractions
- May supervise tests, school detention, and other related activities
- May prepare classroom or equipment such as projectors and other audio-visual or electronic equipment for special activities.

#### Crossing guards

- Coordinate the flow of pedestrians across selected intersection with the flow of vehicles
- Direct and assist students at school crossing locations.

#### *Employment requirements*

- Completion of secondary school may be required.
- First aid certification and cardiopulmonary resuscitation (CPR) training may be required.

#### *Additional information*

- There is limited mobility among occupations in this group.

## 5 Occupations in art, culture, recreation and sport

This broad category comprises specialized middle management occupations in art, culture, recreation and sport, as well as professional, technical, support and other occupations concerned with art and culture (including the performing arts, film and video, broadcasting, journalism, writing, creative design, libraries and museums), recreation and sports.

### 50 Specialized middle management occupations in art, culture, recreation and sport

This major group comprises specialized middle management occupations in art, culture, recreation and sport. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

### 500 Specialized middle management occupations in art, culture, recreation and sport

This sub-major group comprises specialized middle management occupations in art, culture, recreation and sport, including library, archive, museum and art gallery managers; managers in publishing, motion pictures, broadcasting and performing arts; and recreation, sports and fitness program and service directors.

### 5001 Managers in art, culture, recreation and sport

This minor group comprises specialized middle management occupations in art, culture, recreation and sport, including library, archive, museum and art gallery managers; managers in publishing, motion pictures, broadcasting and performing arts; and recreation, sports and fitness program and service directors. They are employed by libraries, archives, museums and non-retail art galleries; radio and television stations; newspaper, periodical and book publishing firms; film, theatre, record and video production companies; and municipalities, community and private recreational and fitness organizations, sports governing agencies and professional athletic team organizations.

### 50010 Library, archive, museum and art gallery managers

Library, archive, museum and art gallery managers plan, organize, direct, control and evaluate the activities of libraries, archives, museums, art galleries or departments within such institutions. They are employed in libraries, archives, museums and non-retail art galleries.

#### *Illustrative example(s)*

- archives director
- art gallery manager
- assistant director of archives
- chief librarian
- library director
- museum administrator
- museum executive director

#### *Exclusion(s)*

- Archivists (51102)
- Conservators and curators (51101)
- Librarians (51100)
- Records management services manager (See 10019-Other administrative services managers)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a library or library system, archive or archive system, museum or art gallery or a technical department within such an institution
- Develop and administer policies and programs
- Prepare and administer budgets
- Develop, promote and implement public relations and promotional programs
- Prepare funding and grant applications and proposals
- Prepare operational and financial reports, analyses and recommendations
- Recruit and provide training for professional, technical and clerical staff
- May perform the duties of a librarian, archivist or curator in smaller institutions.

Library, archive, museum and art gallery managers may specialize in a specific type of collection.

### *Employment requirements*

#### Library managers

- A graduate degree in library and information science and  
Several years of experience as a librarian, including supervisory experience are required.

#### Archive managers

- A graduate degree in archival science or history and  
Several years of experience as an archivist or in historical research, including supervisory experience are required.

#### Museum and art gallery managers

- A graduate degree related to a particular collection or a training program in arts administration and  
Several years of experience as a curator, conservator or artist or experience in other related museum and art gallery work are usually required.

### *Additional information*

- There is mobility between library and archive managers and between museum and art gallery managers.

## **50011 Managers - publishing, motion pictures, broadcasting and performing arts**

Managers in publishing, motion pictures, broadcasting and performing arts plan, organize, direct, control and evaluate operations within publishing firms, film, theatre and record production companies and broadcasting facilities. They are employed by radio and television stations, by newspaper, periodical and book publishing firms, and by film, theatre, record and video production companies.

### *Illustrative example(s)*

- ballet company director
- book publishing manager
- broadcasting manager
- broadcasting station manager

- copyright manager - publishing
- dance company director
- editor-in-chief
- managing editor
- opera company director
- publishing manager
- radio programming manager
- radio station manager
- television station manager
- theatre company manager
- video production company manager

#### *Exclusion(s)*

- Producers, directors, choreographers and related occupations (51120)
- Publisher (See 00015-Senior managers - construction, transportation, production and utilities)
- Senior managers - trade, broadcasting and other services (00014)

#### *Main duties*

This group performs some or all of the following duties:

- Establish procedures and implement policies in newspaper and publishing firms, in film, theatre, record and video production companies, and in radio and television stations
- Plan and maintain production schedules for publications, films, broadcasts, and theatre, record and video productions
- Prepare and control budgets
- Hire and supervise staff
- Consult with government regulatory agencies to evaluate and review programs and policies, and to ensure conformance with regulations
- Initiate or approve development of articles, books, films, broadcasts, musical recordings and theatre productions, and liaise with authors, composers, producers and directors.

#### *Employment requirements*

- A university degree or college diploma in communications, broadcasting, journalism or other arts discipline is usually required.
- Several years of experience within the publishing, film production, broadcasting or theatre industry are usually required.

### **50012 Recreation, sports and fitness program and service directors**

Recreation, sports and fitness program and service directors plan, organize, direct, control and evaluate the operations of comprehensive recreational, sports and fitness programs and services, national or provincial sports governing agencies and professional athletic teams. They are employed by municipalities, community and private recreational and fitness organizations, sports governing agencies and professional athletic team organizations.

#### *Illustrative example(s)*

- director of recreation

- professional football team manager
- professional hockey team manager
- professional track and field team manager
- sports administration director - government
- sports association director
- sports federation director
- sports program director
- YMCA (Young Men's Christian Association) programs director

#### *Exclusion(s)*

- Coaches (53201)
- Program leaders and instructors in recreation, sport and fitness (54100)
- Recreation, sports and fitness policy researchers, consultants and program officers (41406)
- Sports officials and referees (53202)

#### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of recreation, sports and fitness programs and services
- Provide technical and professional advice on recreation, sports and fitness matters
- Prepare budget estimates and develop policies and procedures to implement programs
- Manage the operations of a sports governing agency
- Organize and administer national and provincial training, coaching, officiating and other programs associated with a particular sport
- Manage the operations of a professional athletic team
- Recruit professional coaches and athletes
- Direct fundraising drives and arrange for sponsorships from public and private organizations
- Develop long range plans and negotiate business contracts.

#### *Employment requirements*

- A university degree in recreology, physical education, sports administration or a related field or  
A college diploma in recreation management or sports administration is usually required.
- Several years of experience in an occupation related to recreation and sports administration, consulting or programming are usually required.
- Some directors of recreation may be required to have a Municipal Recreation Director's Certificate.
- Executive directors of sports governing agencies may be required to have coaching certification in a particular sport.

## **51 Professional occupations in art and culture**

This major group comprises professional occupations in art and culture. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 1. Occupations classified in TEER 1, as those in this group with a 1 as the second digit of their code, typically require a university degree (bachelor's, master's

or doctorate) or the accumulation several years of experience and expertise in the subject matter knowledge in a related occupation found in TEER 2, when applicable (which includes occupations with a 2 as a second digit in their code).

## 511 Professional occupations in art and culture

This sub-major group comprises professional occupations in art and culture, including librarians, archivists, conservators and curators; writing, translating and related communications professionals; and creative and performing artists.

### 5110 Librarians, archivists, conservators and curators

This minor group comprises librarians, archivists, conservators and curators. They are employed by libraries, museums, art galleries, archives, universities, and private sector organizations; or they may be self-employed.

#### 51100 Librarians

Librarians select, develop, organize and maintain library collections and provide advisory services for users. They are employed in libraries or other establishments with library services throughout the public and private sectors.

##### *Illustrative example(s)*

- bibliographer
- cataloguer - library
- cybrarian
- liaison librarian
- librarian
- library consultant
- library supervisor

##### *Exclusion(s)*

- Elementary school librarian (See 52100-Library and public archive technicians)
- High school librarian (See 52100-Library and public archive technicians)
- Librarian-teacher - high school (See 41220-Secondary school teachers)
- Library curator (See 51101-Conservators and curators)
- Library director (See 50010-Library, archive, museum and art gallery managers)
- Teacher-librarian - elementary school (See 41221-Elementary school and kindergarten teachers)

##### *Main duties*

This group performs some or all of the following duties:

- Recommend acquisition of books, periodicals and audio-visual, interactive media and other materials for inclusion in library collection
- Provide reference services
- Select, classify, catalogue and weed library materials
- Prepare bibliographies, indexes, reading lists, guides and other finding aids
- Develop systems to access library collections
- Perform manual, on-line and interactive media reference searches to assist users in accessing library materials and arrange for interlibrary loans
- Develop taxonomies using various information and data sources

- Provide specialized programs for children, seniors and other groups
- Conduct library information and orientation training programs and tours
- Perform related administrative duties and supervise library technicians, assistants and clerks.

#### *Employment requirements*

- A master's degree in library science or a master's degree in library and information studies or  
A master's degree from a program accredited by the American Library Association is required.

#### *Additional information*

- Progression to library management positions is possible with experience.

### **51101 Conservators and curators**

Conservators restore and conserve artifacts belonging to museums, galleries and owners of cultural property. Curators recommend the acquisition of museum artifacts and gallery works of art and research their artistic history. Conservators and curators are employed in museums, art galleries, archives, libraries, government agencies and universities. Conservators may be self-employed.

#### *Illustrative example(s)*

- art gallery conservator
- art objects conservator
- conservator - museum
- curator
- historical artifact conservator
- natural history museum curator

#### *Inclusion(s)*

- assistant curator

#### *Exclusion(s)*

- Curatorial assistant (See 53100-Registrars, restorers, interpreters and other occupations related to museum and art galleries)
- Museum designer (See 53123-Theatre, fashion, exhibit and other creative designers)
- Museum educator (See 11202-Professional occupations in advertising, marketing and public relations)
- Restaurateur - food services (See 60030-Restaurant and food service managers)

#### *Main duties*

This group performs some or all of the following duties:

##### Conservators

- Examine artifacts, determine their condition, suggest methods for treating them and recommend preventive conservation techniques to their owners
- Restore and conserve paintings, photographs, books, papers, sculptures, furniture, pottery or other museum and art gallery artifacts as per particular field of specialization



- Provide advice on display and storage of museum and gallery artifacts to ensure proper maintenance and preservation
- Explore new conservation and restoration techniques
- Provide consultation to museums, art galleries or private individuals
- Supervise conservation technicians and other museum technicians.

#### Curators

- Recommend the acquisition of paintings, photographs, sculptures, documents and other museum and art gallery artifacts
- Conduct research into objects' methods of construction techniques, structure and materials to understand its physical and chemical makeup
- Develop storylines and themes and organize displays and exhibitions
- Coordinate the storage of collections and the setting up of displays and exhibitions
- Oversee the conservation, display and circulation of collections
- Supervise curatorial assistants and other museum technicians.

#### *Employment requirements*

- Conservators require a master's degree in art conservation or completion of a two-year college program in conservation technology and several years of experience in conservation work.
- Conservators may be accredited by the Canadian Association of Professional Conservators.
- Curators require a master's or bachelor's degree in museology, art history or a field related to their specific area of work.

#### *Additional information*

- Progression to museum or art gallery management positions is possible with experience.
- Conservators and curators may specialize in a particular type of collection or material, such as furniture, weapons, books, paintings and musical instruments.

## **51102 Archivists**

Archivists manage, process, store and disseminate information contained in an organization's archives. They acquire, store and research textual material, pictures, maps, architectural documents, electronic materials, films and videos, and sound recordings and multimedia materials. They are employed in archives, in the public and para-public sectors and in private sector organizations.

#### *Illustrative example(s)*

- archivist
- historical archivist
- multimedia archivist

#### *Inclusion(s)*

- assistant archivist

#### *Exclusion(s)*

- Archive assistant (See 52100-Library and public archive technicians)
- Librarians (51100)

- Library, archive, museum and art gallery managers (50010)
- Medical archivist (See 12111-Health information management occupations)

#### *Main duties*

This group performs some or all of the following duties:

- Develop policies and procedures for managing current and semicurrent archives, in particular corporate cataloguing systems, records scheduling and disposal, and finding aids
- Design programs for managing, disseminating and storing archives of all types (documents, photographs, maps, audio-visual materials, manuscripts, etc.)
- Plan the computerized management of archives and the management of electronic archives
- Appraise and acquire archival materials to build and develop an archival collection for research purposes
- Authenticate documents and records, and research the origins and significance of archival materials
- Organize noncurrent archives and develop cataloguing and retrieval systems to allow access to archival materials
- Assist people with their searches.

#### *Employment requirements*

- A bachelor's degree with a minor in archival studies  
or  
A university degree with a certificate in archival studies is required.
- A master's degree in archival studies, archival studies and information science, library science or history may be required.

#### *Additional information*

- Progression to archive management positions is possible with experience.

### **5111 Writing, translating and related communications professionals**

This minor group comprises writing, translating and related communications professionals, including editors; authors and writers; technical writers; journalists; and translators, terminologists and interpreters. They are employed by advertising, consulting, publishing and multimedia/new-media companies; magazines, journals, newspapers, radio and television networks and stations; sections within companies and government departments that produce publications such as newsletters, handbooks, manuals and Web sites; translation and interpretation agencies; and international organizations, schools, courts, and social service agencies; or they may be self-employed.

#### **51110 Editors**

Editors review, evaluate and edit manuscripts, articles, news reports and other material for publication, broadcast or interactive media and coordinate the activities of writers, journalists and other staff. They are employed by publishing firms, magazines, journals, newspapers, radio and television networks and stations, and by companies and government departments that produce publications such as newsletters, handbooks, manuals and Web sites. Editors may also work on a freelance basis.

#### *Illustrative example(s)*

- advertising editor
- associate editor
- contributing editor

- copy editor
- editor
- editorial consultant
- literary editor
- manuscript editor
- medical editor
- news editor
- news service editor
- sports editor
- technical editor

#### *Exclusion(s)*

- Authors and writers (See 51111-Authors and writers (except technical))
- Editorial assistant (See 14301-Correspondence, publication and regulatory clerks)
- Film editor (See 51120-Producers, directors, choreographers and related occupations)
- Journalists (51113)
- Managing editor (See 50011-Managers - publishing, motion pictures, broadcasting and performing arts)
- Map editor (See 22214-Technical occupations in geomatics and meteorology)
- Sound editor (See 52113-Audio and video recording technicians)
- Translator-reviser (See 51114-Translators, terminologists and interpreters)

#### *Main duties*

This group performs some or all of the following duties:

- Evaluate suitability of manuscripts, articles, news copy and wire service dispatches for publication, broadcast or electronic media and recommend or make changes in content, style and organization
- Read and edit copy to be published or broadcast to detect and correct errors in spelling, grammar and syntax, and shorten or lengthen copy as space or time requires
- Confer with authors, staff writers, reporters and others regarding revisions to copy
- Plan and implement layout or format of copy according to space or time allocations and significance of copy
- Plan and coordinate activities of staff and assure production deadlines are met
- Plan coverage of upcoming events and assign work accordingly
- Write or prepare introductions, marketing and promotional materials, bibliographic references, indexes and other text
- May negotiate royalties with authors and arrange for payment of freelance staff.

Editors may specialize in a particular subject area, such as news, sports or features, or in a particular type of publication, such as books, magazines, newspapers or manuals.

#### *Employment requirements*

- A bachelor's degree in English, French, journalism or a related discipline is usually required.
- Several years of experience in journalism, writing, publishing or a related field are usually required.
- Membership in the Editors Association of Canada may be required.
- Editors who specialize in a specific subject matter may be required to have training in that subject.

### *Additional information*

- Progression to supervisory and management positions, such as editor-in-chief or managing editor, is possible with experience.

## **51111 Authors and writers (except technical)**

Authors and writers plan, research and write books, scripts, storyboards, plays, essays, speeches and other non-journalistic articles for publication or presentation. They are employed by advertising agencies, governments, large corporations, private consulting firms, publishing firms, multimedia/new-media companies and other establishments, or they may be self-employed.

### *Illustrative example(s)*

- advertising copywriter
- copywriter
- essayist
- interactive media writer
- literary writer
- novelist
- playwright
- poet
- script writer
- speech writer
- writer

### *Exclusion(s)*

- Editors (51110)
- Journalists (51113)
- Professional occupations in advertising, marketing and public relations (11202)
- Songwriter (See 51121-Conductors, composers and arrangers)
- Technical writers (51112)
- Translators, terminologists and interpreters (51114)

### *Main duties*

This group performs some or all of the following duties:

Novelists, playwrights, script writers, poets and other creative writers

- Conceive and write novels, plays, scripts, poetry and other material for publication or presentation
- May conduct research to establish factual content and to obtain other necessary information.

Content writers (non-technical)

- Write e-copy, blog posts, e-books, podcasts and other forms of Web-based content
- Conduct research on a variety of topics to inform writing and may consult with clients to determine the goals of the writing.

## Copywriters

- Study and determine selling features of products and services and write text for advertisements and commercials.

Authors and writers may specialize in a particular subject or type of writing.

### *Employment requirements*

- Copywriters usually require a university degree or college diploma in French, English, marketing, advertising or another discipline.
- Creative writing programs are offered by universities and colleges.
- Talent and ability, as demonstrated by a portfolio of work, are important hiring criteria.
- Membership in a guild or union related to the occupation may be required.

## **51112 Technical writers**

Technical writers write manuals and specifications for publication or presentation. They are employed by governments, large corporations, private consulting firms, publishing firms, and other establishments, or they may be self-employed.

### *Illustrative example(s)*

- medical writer
- scientific writer
- technical writer

### *Exclusion(s)*

- Authors and writers (See 51111-Authors and writers (except technical))
- Editors (51110)
- Journalists (51113)
- Songwriter (See 51121-Conductors, composers and arrangers)
- Translators, terminologists and interpreters (51114)

### *Main duties*

This group performs some or all of the following duties:

- Analyze material, such as specifications, notes and drawings
- Conduct interviews and research to gather information on a specific field
- Write, review and update manuals, user guides and other documents to provide instruction and to explain clearly and concisely the installation, operation and maintenance of software and electronic, mechanical and other equipment
- Develop and maintain help documentation
- May design and develop training course material
- May help create content for software products, such as on-screen instructions and error messages.

### *Employment requirements*

- A university degree in the area of specialization, such as computer science or engineering is usually required.

## 51113 Journalists

Journalists research, investigate, interpret and communicate news and public affairs through newspapers, television, radio and other media. They are employed by radio and television networks and stations, newspapers and magazines. Journalists may also work on a freelance basis.

### *Illustrative example(s)*

- book reviewer
- broadcast journalist
- columnist
- correspondent
- cyberjournalist
- investigative reporter
- journalist
- network reporter
- news commentator
- newspaper critic
- reporter

### *Exclusion(s)*

- Announcers and other broadcasters (52114)
- Authors and writers (See 51111-Authors and writers (except technical))
- Editors (51110)
- Photojournalist (See 53110-Photographers)

### *Main duties*

This group performs some or all of the following duties:

- Collect local, national and international news through interviews, investigation and observation
- Write news stories for publication and broadcast
- Receive, analyze and verify news and other copy for accuracy
- Arrange for and conduct interviews as part of research and for radio and television programs
- Research and report on developments in specialized fields such as medicine, science and technology
- Prepare regular feature columns and stories on specialized topics
- Write editorials and commentaries on topics of current interest to stimulate public interest and express the views of a publication or broadcasting station
- Write critical reviews of literary, musical and other artistic works based on knowledge, judgement and experience.

Journalists may specialize in print, broadcast or Webcast media, in particular issues such as political affairs or entertainment news, or in a particular geographic area.

### *Employment requirements*

- A university degree or college diploma in journalism or a related field such as communications is usually required.

*Additional information*

- Experienced reporters may advance to editorial positions (print media) or become producers (broadcast media).

**51114 Translators, terminologists and interpreters**

Translators translate written material from one language to another. Interpreters translate oral communication from one language to another during speeches, meetings, conferences, debates and conversation, or in court or before administrative tribunals. Terminologists conduct research to itemize terms connected with a certain field, define them and find equivalents in another language. Sign language interpreters use sign language to translate spoken language and vice versa during meetings, conversations, television programs or in other instances. Translators, terminologists and interpreters are employed by government, private translation and interpretation agencies, in-house translation services, large private corporations, international organizations and the media, or they may be self-employed. Sign language interpreters work in schools and courts, and for social service agencies, interpretation services, government services and television stations, or they may be self-employed.

*Illustrative example(s)*

- community interpreter
- conference interpreter
- court interpreter
- interpreter
- legal terminologist
- literary translator
- localiser - linguistics
- medical terminologist
- sign language interpreter
- terminologist
- translator
- translator adaptor
- translator-reviser

*Inclusion(s)*

- cultural interpreter
- transliterator

*Exclusion(s)*

- Authors and writers (See 51111-Authors and writers (except technical))
- Editors (51110)
- Language school instructor (See 41210-College and other vocational instructors)
- Linguist (See 41409-Other professional occupations in social science)
- Utility locator (See 74204-Utility maintenance workers)

### *Main duties*

This group performs some or all of the following duties:

#### Translators and translator-revisers

- Translate a variety of written material such as correspondence, reports, legal documents, technical specifications and textbooks from one language to another, maintaining the content, context and style of the original material to the greatest extent possible
- Localize software and accompanying technical documents to adapt them to another language and culture
- Revise and correct translated material
- May train and supervise other translators.

#### Terminologists

- Identify the terminology used in a field of activity
- Conduct terminological research on a given subject or in response to inquiries for the preparation of glossaries, terminology banks, technological files, dictionaries, lexicons and resource centres, and add to terminological databases
- Manage, update and circulate linguistic information collected from terminological databases
- Provide consultative services to translators, interpreters and technical writers preparing legal, scientific or other documents that require specialized terminologies.

#### Interpreters

- Interpret oral communication from one language to another aloud or using electronic equipment, either simultaneously (as the speaker speaks), consecutively (after the speaker speaks) or whispered (speaking in a low whisper to one or two persons as the speaker is talking)
- Provide interpretation services in court or before administrative tribunals
- May interpret language for individuals and small groups travelling in Canada and abroad
- May interpret for persons speaking an Aboriginal or foreign language in a variety of circumstances
- May train other interpreters.

Translators, terminologists and interpreters specialize in two languages, such as French and English, the official languages of Canada. They may also specialize in another language and one of the official languages. The main areas of specialization include administrative, literary, scientific and technical translation. Interpreters may specialize in court, parliamentary or conference interpretation.

#### Sign language interpreters

- Translate sign language to a spoken language and vice versa either simultaneously or consecutively.

Sign language interpreters work in French and Langue des signes québécoise (LSQ) or in English and American Sign Language (ASL).

### *Employment requirements*

- A university degree in translation with a specialization in translation, interpretation or terminology in two languages including at least one of the two official languages  
or  
A university degree in a related discipline such as languages, linguistics, philology and courses in linguistic transfer and two years' experience as a full-time translator working in two languages, at least one of which is an official language  
or  
Five years of experience as a full-time translator working in two languages, at least one of which is an official language, are required.



- Sign language interpreters require a college training program or a university certificate in sign language interpretation.
- Certification on dossier or by examination from the Canadian Translators, Terminologists and Interpreters Council (CTTIC) may be required for translators, terminologists and interpreters.
- Sign language interpreters may require a certificate or certification evaluation in LSQ or ASL.
- Fluency in three languages is usually required for translators or interpreters working in an international context.
- Membership in a provincial or territorial association of translators, interpreters and terminologists may be required.
- Membership in a provincial association of sign language interpreters may be required.
- Use of professional titles may be regulated in some provinces.

## 5112 Creative and performing artists

This minor group comprises creative and performing artists, including producers, directors, choreographers and related occupations; conductors, composers and arrangers; and musicians and singers. They are employed by radio and television stations, broadcast departments, and film, television and recording studios; advertising and record production companies; ballet, dance and opera companies; orchestras, bands, choirs, concert halls, theatres, lounges and night clubs; television, theatre, film and other production companies; and dance, acting and art schools; or they may be self-employed.

### 51120 Producers, directors, choreographers and related occupations

Producers, directors, choreographers and professionals in related occupations oversee and control the technical and artistic aspects of film, television, video game, radio, dance and theatre productions. They are employed by film production companies, radio and television stations, video game companies, broadcast departments, advertising companies, sound recording studios, record production companies and dance companies. They may also be self-employed.

#### *Illustrative example(s)*

- artistic director - motion picture
- choreographer
- cyber-choreographer
- director - motion picture
- director of photography
- filmmaker
- multimedia audio producer
- producer - performing arts
- producer-director
- radio producer
- record producer
- stage director - performing arts
- technical director - broadcasting
- television producer

### *Inclusion(s)*

- film editor
- video illustrator - multimedia work

### *Exclusion(s)*

- Managers - publishing, motion pictures, broadcasting and performing arts (50011)
- Photographers and support occupations in arts and culture (5311)
- Technical occupations in motion pictures, broadcasting and the performing arts (5211)

### *Main duties*

This group performs some or all of the following duties:

#### Film, radio, television and video game producers

- Plan, organize and control the various stages and scheduling involved in the production of presentations, motion pictures, television shows and radio programs; engage directors and other production personnel and supervise all technical personnel, and determine the treatment, scope and scheduling of production; maintain production archives, negotiate royalties and may plan and control the budget pertaining to a particular production.

#### Directors

- Interpret scripts and direct the mise-en-scène; select and direct the actors, extras and technical crew; advise the cast and crew on the interpretation and delivery of the performance; direct rehearsals, filmings, broadcasts and performances; and confer with crew and specialists throughout production and post-production to achieve desired presentation.

#### Choreographers

- Create dances for film, theatre and television performances that convey stories, ideas and moods, and direct rehearsals for dancers to achieve desired interpretation.

#### Art directors

- Plan, organize and direct the artistic aspects of motion pictures, video games, stage productions and television shows by overseeing the design of sets, costumes, furnishings and props to create portrayals of period and setting.

#### Film editors

- Edit motion picture film and arrange film segments into sequences to achieve continuity and desired dramatic, comedic and thematic effects.

#### Record producers

- Plan and coordinate the production of musical recordings, direct musicians and singers during rehearsals and recordings and manage technicians involved in duplicating, dubbing and mastering of recordings.

#### Directors of photography

- Coordinate and direct the photography of motion pictures, supervise camera operators and other crews and determine lighting, lenses, camera angles, backgrounds and other elements to achieve desired visual effect.

*Employment requirements*

## Producers, directors and film editors

- A university degree or college diploma in the performing arts, broadcasting, journalism, business administration, theatre production or film studies and experience in a technical or production occupation in motion pictures, broadcasting or theatre are usually required.

## Choreographers

- A university degree or college diploma in dance, or a period of study at a school of dance and extensive training with a dance company are usually required.

## Record producers

- A university degree or college diploma in music or the recording arts and experience in a technical or production occupation in the recording arts are usually required.

## Directors of photography

- A university degree or college diploma in film studies or cinematography and experience in camera operation or another technical occupation in video or motion picture production are usually required.

Demonstrated creative ability is required for all occupations in this unit group.

*Additional information*

- Membership in a related guild or union may be required.

**51121 Conductors, composers and arrangers**

Conductors, composers and arrangers conduct bands and orchestras, compose musical works and arrange instrumental and vocal compositions. They are employed by symphony and chamber orchestras, bands, choirs, sound recording companies, and orchestras for ballet and opera performances, or they may be self-employed.

*Illustrative example(s)*

- arranger
- bandmaster
- choir director
- composer
- conductor
- music adapter
- orchestrator
- singer-songwriter-composer
- songwriter

*Inclusion(s)*

- artistic director - music
- lyricist
- musical director

### *Exclusion(s)*

- Musicians and singers (51122)
- Producers, directors, choreographers and related occupations (51120)

### *Main duties*

This group performs some or all of the following duties:

#### Conductors

- Select and interpret musical works and lead bands, orchestras and choirs during rehearsals and performances.

#### Composers

- Create musical compositions such as television and film scores, theme music, songs, symphonies and music for interactive products such as video games.

#### Arrangers

- Adapt and modify musical compositions to convey desired themes and to suit particular instrumental and vocal performances.

Conductors, composers and arrangers usually specialize in a particular genre of music such as classical, country, jazz or popular music.

### *Employment requirements*

- A university degree in music or completion of a program at a music academy, conservatory or school of music is usually required.
- A period of specialized study related to conducting, composing or arranging is usually required.
- Experience as a musician is required.
- Musical and creative talent and ability, as demonstrated by a portfolio of work, are important hiring criteria.

### *Additional information*

- Composers often work as arrangers.

## **51122 Musicians and singers**

Musicians and singers perform with orchestras, choirs, opera companies and popular bands in establishments such as concert halls, lounges and theatres and in film, television and recording studios. This unit group also includes music teachers who usually teach in conservatories, academies and private homes.

### *Illustrative example(s)*

- accompanist
- church organist
- guitar player
- instrumentalist
- music teacher - musicians
- musician
- opera singer
- percussionist

- recording artist
- rock singer
- singer
- vocalist

#### *Exclusion(s)*

- Conductors, composers and arrangers (51121)
- Music professor - university (See 41200-University professors and lecturers)
- Music teacher - elementary school (See 41221-Elementary school and kindergarten teachers)
- Music teacher - secondary school (See 41220-Secondary school teachers)

#### *Main duties*

This group performs some or all of the following duties:

##### Musicians

- Play one or more instruments as soloists or as members of a musical group before audiences or for recording purposes.

##### Singers

- Sing musical arrangements as soloists or as members of vocal groups before audiences or for recording purposes.

##### Teachers of music or voice

- Teach technique, interpretation and music theory to students through private or group lessons.

Musicians and singers usually specialize in specific genres of music such as classical, country, ethnic, jazz, opera or popular music.

#### *Employment requirements*

- Musical training from a university or college or through private instruction is usually required.
- Members of orchestras and other professional classical musicians and singers usually require a university degree in music.
- Musical talent and ability, as demonstrated during an audition, are important hiring criteria.
- Membership in a guild or union related to the occupation or type of performance may be required.

## **52 Technical occupations in art, culture and sport**

This major group comprises technical occupations in art, culture and sport. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

## 521 Technical occupations in art and culture

This sub-major group comprises technical occupations in art and culture, including technical occupations in libraries and public archives; technical occupations in motion pictures, broadcasting and the performing arts; and graphic and interior designers.

### 5210 Technical occupations in libraries and public archives

This minor group comprises library and public archive technicians. They are employed by libraries and public archives and governments.

#### 52100 Library and public archive technicians

Library and public archive technicians assist users in accessing library or archive resources, assist in describing new acquisitions, participate in archive processing and storage, and conduct reference searches. They are employed by libraries and public archives.

##### *Illustrative example(s)*

- archive technician
- library technician
- technical indexer - library

##### *Inclusion(s)*

- archive assistant
- archive attendant
- elementary school librarian
- secondary school librarian

##### *Exclusion(s)*

- Archivists (51102)
- Librarians (51100)
- Library assistants and clerks (14300)
- Records management technicians (12112)

##### *Main duties*

This group performs some or all of the following duties:

###### Library technicians

- Assist library users in accessing books, films, photographs, maps, documents, electronic materials and other library materials
- Catalogue new library acquisitions under the direction of a librarian
- Perform manual and on-line reference searches and make interlibrary loans for users
- Assist librarians in giving tours and providing children's and other specialized library programs.

###### Public archive technicians

- Assist in developing inventories, forms and finding aids
- Implement and update classification plans and records scheduling and disposal plans
- Apply standards and policies for storage of records and archival materials

- Codify and classify archival materials
- Put archival materials on microfilm or in databases
- Transfer materials from current to semi-current status or put into permanent storage
- Purge, sort, reduce and sample archives
- Research and retrieve archival materials
- Participate in instructing and assisting users
- Ensure that proper procedures are followed in the use of computerized document management systems.

#### *Employment requirements*

- Library technicians usually require completion of a two- to three-year college program in library and information technology.
- Public archive technicians require completion of a college diploma or certificate program in archive and document management technology.

## **5211 Technical occupations in motion pictures, broadcasting and the performing arts**

This minor group comprises technical occupations in motion pictures, broadcasting and the performing arts, including film and video camera operators; graphic arts technicians; broadcast technicians; audio and video recording technicians; announcers and other broadcasters; and other technical and coordinating occupations in motion pictures, broadcasting and the performing arts. They are employed by photographic and sound recording studios; television and radio networks and stations; television, motion picture, video and concert production companies; communications providers; marketing, printing and multimedia companies; broadcast equipment companies; theatre, stage and dance companies; clubs, hotels, bands and movie theatres; concert promoters; and educational establishments; or they may be self-employed.

### **52110 Film and video camera operators**

Film and video camera operators operate motion picture and video cameras and related equipment to record news, live events, films, videos and television broadcasts. They are employed by television networks and stations, motion picture and video production companies and in-house communications facilities of large corporations.

#### *Illustrative example(s)*

- assistant camera operator
- camera operator
- electronic news gathering (ENG) camera operator
- film camera operator
- motion picture camera operator
- studio camera operator
- television camera operator
- video camera operator

#### *Exclusion(s)*

- Audio and video recording technicians (52113)
- Audiovisual (AV) assistant (See 53111-Motion pictures, broadcasting, photography and performing arts assistants and operators)
- Director of photography (See 51120-Producers, directors, choreographers and related occupations)
- Filmmaker (See 51120-Producers, directors, choreographers and related occupations)

- Photographers (53110)
- Video artist (See 53122-Painters, sculptors and other visual artists)
- Video transmission operator (See 52112-Broadcast technicians)

#### *Main duties*

This group performs some or all of the following duties:

- Meet with director and senior members of camera crew to discuss assignment and determine filming sequences, camera movements and picture composition
- Select and set up camera equipment to be used and attach lens, filters and film magazine to camera
- Adjust focus, exposure, lighting and other camera settings
- Operate film or video camera to record news, live events, films, videos and television broadcasts
- Label and record contents of exposed film, and complete report sheets
- Test, maintain and store equipment.

#### *Employment requirements*

- Completion of a college or technical program in broadcasting, audio-visual technology or a related field and Experience as an assistant camera operator are usually required.
- Creative and technical ability, as demonstrated by a portfolio of work and experience, may be required.

#### *Additional information*

- Progression to supervisory or director of photography positions is possible with additional training and experience.

### **52111 Graphic arts technicians**

Graphic arts technicians assist in conceptualizing a project, interpreting design specifications or sketches, preparing the page make-up, lay-out and lettering, and preparing production materials for press, electronic or multimedia publishing. They are employed by publishing, communications, advertising, marketing, printing and multimedia establishments, and by television and film production companies. They may also be self-employed.

#### *Illustrative example(s)*

- animated cartoon technician
- animation painter
- computer graphics technician
- graphics technician
- multimedia graphic design technician

#### *Inclusion(s)*

- animation camera operator
- poster painter

#### *Exclusion(s)*

- Camera, platemaking and other prepress occupations (94151)
- Correspondence, publication and regulatory clerks (14301)



- Desktop publishing (DTP) specialist (See 14112-Desktop publishing operators and related occupations)
- Graphic designers and illustrators (52120)

### *Main duties*

This group performs some or all of the following duties:

- Review the graphic designer's instructions
- Produce or assist in developing and producing design concepts
- Capture elements such as titles, text, drawings, illustrations, graphics, lettering and colour harmonization, using a computer
- Produce computerized images and drawings
- Digitize images using peripherals and transform them using retouching systems, graphic palettes or specialized software
- Perform the layout, page make-up and placement using the conceptual mock-ups provided
- Produce proofs and camera-ready materials and prepare film and any other prepress materials
- Paint or ink individual cells of 2-D or 3-D animated drawings according to animator's specifications using an electronic palette
- Lay out, draw or paint letters, figures, logos and designs for windows, advertisements, billboards, vehicles, books and publications using specialized software or painting equipment
- Work in an interdisciplinary environment.

### *Employment requirements*

- A college diploma in commercial or graphic arts, computer graphics or animated design is required.
- Experience or training in multimedia design at a post-secondary, college or technical institution may be required.
- Creative ability and artistic talent, as demonstrated by a portfolio of work, are required.

### *Additional information*

- Progression to graphic designer positions is possible with experience or supplementary training.

## **52112 Broadcast technicians**

Broadcast technicians install, set up, test, operate and repair electronic equipment used to record and transmit live and taped radio and television programs and to produce audio and video streaming broadcasts for the Internet. They are employed by radio and television broadcasting networks and stations, by broadcast equipment companies and by Internet-based communication providers.

### *Illustrative example(s)*

- broadcast technician
- broadcast transmitter operator
- broadcasting switcher
- master control room (MCR) equipment operator - broadcasting
- master control room (MCR) technician - broadcasting
- mobile broadcasting equipment operator
- regional transmitter technician

- short-wave receiving station technician
- video transmission operator

*Inclusion(s)*

- broadcast engineer

*Exclusion(s)*

- Audio and video recording technicians (52113)
- Film and video camera operators (52110)
- Other technical and coordinating occupations in motion pictures, broadcasting and the performing arts (52119)

*Main duties*

This group performs some or all of the following duties:

- Monitor broadcast quality of live and taped radio and television programs
- Operate and monitor radio and television broadcasting systems to broadcast, receive signals and to regulate clarity and range of sounds and colours of recordings or broadcasts
- Operate broadcast equipment to produce audio and video streaming broadcasts for the Internet
- Make emergency repairs to equipment and substitute programs in case of signal failure
- Maintain, install and troubleshoot a wide variety of broadcast hardware and software
- Set up and operate consoles to pick up and select feed sources from different locations and to air radio or television programs and commercials
- May supervise other broadcast technicians.

*Employment requirements*

- Completion of a college program in broadcast technology or electronics is usually required.
- Senior and supervisory positions in this unit group require experience.

## **52113 Audio and video recording technicians**

Audio and video recording technicians operate equipment to record, mix and edit sound, music and videotape, for motion pictures, television and radio programs, videos, recordings and live events. They are employed by multimedia companies, film, video and concert production companies, sound recording firms, theatre and dance companies, educational establishments, clubs, hotels, bands, radio stations, television networks and video production and editing companies.

*Illustrative example(s)*

- audiovisual (AV) technician
- multimedia sound technician
- postproduction technician
- recording engineer
- recording studio technician
- sound effects editor
- sound mixer
- sound technician

- video and sound recorder
- video recording technician

#### *Inclusion(s)*

- audio engineer - recording studio
- electronic news gathering (ENG) editor
- public address (P.A.) system operator
- radio technician
- sound engineer

#### *Exclusion(s)*

- Broadcast technicians (52112)
- Film and video camera operators (52110)
- Film editor (See 51120-Producers, directors, choreographers and related occupations)
- Other technical and coordinating occupations in motion pictures, broadcasting and the performing arts (52119)
- Recording assistant - recording studio (See 53111-Motion pictures, broadcasting, photography and performing arts assistants and operators)

#### *Main duties*

This group performs some or all of the following duties:

- Set up, prepare, operate and adjust audio, recording, editing and reproducing equipment to record, edit and reproduce sound input or feed of pre-recorded material from tapes, records, compact discs, digital audio devices, and input from live microphones, satellites or microwave trucks for films, videos, radio and television programs and recordings
- Prepare and operate videotape recording and playback equipment to record videos, television programs, concerts and live events, and to edit video tape after production
- Operate electronic equipment to generate program titles, credits, sub-titles, graphic backgrounds or animation for television programs
- Operate audio consoles or computers, tape machines, microphones and sound processing equipment to mix, combine and edit music and sound at concerts and live events
- Operate dubbing machines to play back edited dialogue, music and sound effect tracks from different sources, in synchronization with motion picture film
- May supervise and coordinate the work of other audio and video recording technicians.

#### *Employment requirements*

- Completion of a college or other program in recording engineering, audiovisual technology or a related field or  
Experience as a recording studio assistant is usually required.
- Senior occupations in this unit group, such as recording and sound engineers, require experience.

## 52114 Announcers and other broadcasters

Announcers and other broadcasters read news, sports, weather, commercial and public service messages and host entertainment and information programs for broadcast on radio or television. They are primarily employed by radio and television stations and networks and by commercial firms that produce advertisements for radio or television.

### *Illustrative example(s)*

- announcer
- broadcaster
- disc jockey (DJ) - broadcast
- news reader
- radio host/hostess
- sports announcer
- talk show host/hostess
- television host/hostess

### *Inclusion(s)*

- master of ceremonies (MC)
- public address (P.A.) system announcer
- traffic reporter
- weather reporter

### *Exclusion(s)*

- Broadcast journalist (See 51113-Journalists)
- Motion pictures, broadcasting, photography and performing arts assistants and operators (53111)

### *Main duties*

This group performs some or all of the following duties:

- Select and introduce music, videos and other entertainment material for broadcast, and make commercial and public service announcements
- Act as host/hostess or master of ceremonies, introduce and interview guests and conduct proceedings of shows or programs
- Read news, sports and weather for radio and television
- Report on weather conditions using information provided by weather forecasting services
- Report on traffic conditions by maintaining contact with external sources of information or by observing traffic from air or land vehicle
- May present own material or material prepared by others.

### *Employment requirements*

- Completion of a college radio or television arts program is usually required.
- Practical training, such as work at a college radio station, may be required.
- Talent and ability, as demonstrated during an audition, are important hiring criteria.
- Membership in a guild or union related to the occupation or type of performance may be required.

*Additional information*

- Movement to occupations in journalism is possible for those with an educational background in journalism or a related field.

**52119 Other technical and coordinating occupations in motion pictures, broadcasting and the performing arts**

Workers in other technical and coordinating occupations in motion pictures, broadcasting and the performing arts coordinate and perform specific activities for television, radio and motion picture productions, news broadcasts, theatre and stage productions, and other live or recorded productions. They are employed by television and radio stations and networks, recording studios, motion picture and video production companies, concert promoters and theatre, stage and dance companies.

*Illustrative example(s)*

- costumier
- gaffer
- key grip
- lighting technician
- make-up artist - motion pictures, broadcasting and performing arts
- program coordinator - broadcasting
- property master - broadcasting
- settings shop foreman/woman
- special effects technician
- stage manager
- stunt coordinator
- theatre technician

*Inclusion(s)*

- machinist-electrician
- stage electrician

*Exclusion(s)*

- Audio and video recording technicians (52113)
- Broadcast technicians (52112)
- Film and video camera operators (52110)
- Lighting designer (See 53123-Theatre, fashion, exhibit and other creative designers)
- Motion pictures, broadcasting, photography and performing arts assistants and operators (53111)

*Main duties*

This group performs some or all of the following duties:

*Floor managers*

- Coordinate the work of camera operators and other technical staff, and cue announcers, actors and performers during news broadcasts and television program tapings.

#### Key grips

- Supervise grips, gaffers and stagehands who rig, place, move and dismantle lights, sets, backdrops, scenery and other stage equipment.

#### Gaffers and lighting technicians

- Set up, operate and make repairs to lights and other electrical equipment in studios and on sets and stages.

#### Stunt coordinators and special effects technicians

- Design and coordinate special effects such as fires, explosions and crashes.

#### Make-up artists

- Apply cosmetic and special effects make-up on actors and other performers.

#### Costumiers

- Study scripts to determine the necessary costumes and oversee the acquisition, fitting and maintenance of costumes.

#### Settings shop foremen and property masters

- Assist in preparing the construction specifications for sets
- Identify and list the necessary props and place them during rehearsals and performances.

#### *Employment requirements*

- For most occupations in this unit group, completion of a college or university program in broadcasting, theatre arts or a related field and several years of experience in a related support or assisting occupation in motion pictures, broadcasting or the performing arts are required.
- Floor managers require a portfolio of work.
- Make-up artists working in motion pictures, broadcasting and the performing arts may require a training program.
- Creative ability, as demonstrated by a portfolio of work, is required for make-up artists.
- For gaffers, lighting technicians, key grips and other stage technicians, completion of a college program or other specialized training program in technical production for theatre is required.
- Membership in a related union may be required.

#### *Additional information*

- There may be an overlap in duties among occupations in this unit group, depending on the size of the production or broadcasting studio.

### **5212 Graphic and interior designers**

This minor group comprises graphic designers, illustrators, and interior designers and interior decorators. They are employed by advertising, graphic design, communications, construction, architectural, interior design and multimedia production companies and other establishments with related departments such as hotel, restaurant and retail establishments; or they may be self-employed.

## 52120 Graphic designers and illustrators

Graphic designers conceptualize and produce graphic art and visual materials to effectively communicate information for publications, advertising, films, packaging, posters, signs and interactive media such as Web sites and CDs. They are employed by advertising and graphic design firms, by establishments with advertising or communications departments and by multimedia production companies, or they may be self-employed. Graphic designers who are also supervisors, project managers or consultants are included in this unit group. Illustrators conceptualize and create illustrations to represent information through images. They are almost solely self-employed.

### *Illustrative example(s)*

- 3D animation artist
- advertising designer
- animator - animated films
- bank note designer
- cartoonist
- commercial artist
- graphic artist
- graphic designer
- graphic designer - multimedia
- illustrator
- layout designer
- medical illustrator
- multimedia illustrator
- scientific illustrator

### *Exclusion(s)*

- Advertising manager (See 10022-Advertising, marketing and public relations managers)
- Graphic arts technicians (52111)
- Interior designers and interior decorators (52121)
- Painters, sculptors and other visual artists (53122)

### *Main duties*

This group performs some or all of the following duties:

#### Graphic designers

- Consult with clients to establish the overall look, graphic elements and content of communications materials in order to meet their needs
- Determine the medium best suited to produce the desired visual effect and the most appropriate vehicle for communication
- Develop the graphic elements that meet the clients' objectives
- Prepare sketches, layouts and graphic elements of the subjects to be rendered using traditional tools, multimedia software and image processing, layout and design software
- Estimate cost of materials and time to complete graphic design
- Use existing photo and illustration banks and typography guides or hire an illustrator or photographer to produce images that meet clients' communications needs

- Establish guidelines for illustrators or photographers
- Coordinate all aspects of production for print, audio-visual or electronic materials, such as Web sites, CDs and interactive terminals
- Coordinate sub-contracting
- Work in a multidisciplinary environment
- Supervise other graphic designers or graphic arts technicians.

#### Illustrators

- Consult with clients to determine the nature and content of illustrations in order to meet their communications needs
- Develop and produce realistic or representational sketches and final illustrations, by hand or using computer-assisted design (CAD) software, for printed materials such as books, magazines, packaging, greeting cards and stationery
- Assist in developing storyboards for electronic productions such as multimedia, interactive and digital products and television advertising and productions
- Produce 2-D and 3-D animated drawings or computer illustrations
- May adapt existing illustrations.

Illustrators may specialize in a particular field such as illustrations for children, advertising, editorials, humour, or medical, scientific or technical illustration, or multimedia design.

#### *Employment requirements*

- A university degree in visual arts with specialization in graphic design, commercial art, graphic communications or cartooning  
or  
Completion of a college diploma program in graphic arts is required.
- Experience or training in multimedia design at a post-secondary, college or technical institution may be required.
- In addition to the arts, training in biology, engineering, architecture or a scientific field is usually required for medical, technical and scientific illustrators.
- Creative ability and artistic talent, as demonstrated by a portfolio of work, are required for graphic designers and illustrators.

#### *Additional information*

- Progression to management or senior design positions is possible with experience.
- The title “registered graphic designer” is recognized by law in Ontario.

### **52121 Interior designers and interior decorators**

Interior designers and interior decorators conceptualize and produce aesthetic, functional and safe designs for interior spaces in residential, commercial, cultural, institutional and industrial buildings. They are employed by architectural and interior design firms, retail establishments, construction companies, hospitals, airlines, hotel and restaurant chains, and other establishments, or they may be self-employed.

#### *Illustrative example(s)*

- aircraft interior designer
- interior decorator
- interior design technician



- interior designer
- kitchen designer
- office space planner
- retail space planner

#### *Inclusion(s)*

- home staging consultant
- space management consultant

#### *Exclusion(s)*

- Graphic designers and illustrators (52120)
- Industrial designers (22211)
- Painters and decorators (except interior decorators) (73112)
- Theatre, fashion, exhibit and other creative designers (53123)

#### *Main duties*

This group performs some or all of the following duties:

- Consult with clients to determine needs, preferences, safety requirements and purpose of space
- Develop detailed plans and 3-D models showing arrangement of walls, dividers, displays, lighting and other fixtures using computer-assisted design (CAD) software and graphics software
- Develop plans, elevations, cross sections and detailed drawings, and advise on selection of colours, finishes and materials, floor and wall coverings, window treatments, interior and exterior lighting, furniture and other items, taking into account ergonomic and occupational health standards
- Estimate costs and materials required and may advise on leasing, real estate and marketing
- Prepare plans and specifications for the final interior designs in accordance with current practices and codes
- Work in a multidisciplinary environment
- May direct site work crews and subcontractors.

Interior designers are experts in the area of interior architecture, construction materials and building codes. They may specialize in designing interiors for residential, commercial, institutional, cultural and industrial buildings and for aircraft, ships or trains, trade shows and exhibitions. Interior decorators may specialize in decorating residential or commercial interior spaces, home staging, colour consulting and home organizing.

#### *Employment requirements*

##### Interior designers

- A university degree or college diploma in interior design is usually required.
- The National Council for Interior Design Qualification (NCIDQ) examination may be required after six years of combined study and experience.
- Certification by a provincial institute or association is required to use protected titles related to interior designers in all provinces except Prince Edward Island.

##### Interior decorators

- A college certificate or diploma in interior decoration is usually required.
- Membership in the Canadian Decorators' Association is available to qualified decorators.

## **53 Occupations in art, culture and sport**

This major group comprises occupations in art, culture and sport. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

### **531 Occupations in art and culture**

This sub-major group comprises occupations in art and culture, including occupations related to museums and art galleries; photographers and support occupations in arts and culture; and occupations in creative and performing arts.

#### **5310 Occupations related to museums and art galleries**

This minor group comprises occupations related to museums and art galleries, including registrars, restorers, interpreters and other occupations related to museum and art galleries. They are employed by libraries, public archives, museums, and galleries; retail settings; parks, aquariums, zoos, interpretive centres, botanical gardens, cultural centres, nature sanctuaries, historic and heritage sites, and other locations.

##### **53100 Registrars, restorers, interpreters and other occupations related to museum and art galleries**

Registrars, restorers, interpreters and workers in other occupations related to museums and art galleries classify and catalogue museum artifacts and gallery works of art, construct and install exhibits and displays, restore, maintain and store museum and gallery collections, frame artwork, and perform other functions in support of curatorial and conservation activities. They are employed in museums and galleries. Picture framers and taxidermists may also be employed in retail settings or may be self-employed. This unit group also includes museum and other interpreters who conduct guided tours. They are employed by art galleries, museums, parks, aquariums, zoos, interpretive centres, botanical gardens, cultural centres, nature sanctuaries, historic and heritage sites, and other locations.

##### *Illustrative example(s)*

- art gallery preparator
- conservation technician - museums and art galleries
- heritage interpreter
- museology technician
- museum extension officer
- museum objects cataloguer
- museum registrar
- museum technician
- paintings restoration technician
- picture framer - museum and art gallery
- restoration technician - museum
- taxidermist

*Inclusion(s)*

- historical interpreter
- museum interpreter
- nature site interpreter
- zoo interpreter

*Exclusion(s)*

- Assistant museum curator (See 51101-Conservators and curators)
- Museum exhibit designer (See 53123-Theatre, fashion, exhibit and other creative designers)
- Tour and travel guides (64320)

*Main duties*

This group performs some or all of the following duties:

## Conservation and restoration technicians

- Assist in the restoration and conservation of artifacts under the direction of a conservator.

## Preparators and picture framers

- Construct displays and dioramas, build models, install artifacts in displays and prepare artifacts for storage and shipping
- Fabricate custom frames, measure and cut mats, mat enhancements and glass, and mount paintings, photographs and other art work.

## Museum interpreters

- Conduct tours of museums, gallery exhibitions and historical, heritage and other sites, answer inquiries and provide information concerning exhibits or sites.

## Curatorial assistants, museum extension officers, museology technicians and museum registrars and cataloguers

- Assist in the research, handling and storage of artifacts
- Assist with the planning and development of travelling exhibitions and special events
- Protect and care for cultural artifacts and collections during exhibitions, while in transit and in storage
- Classify and assign registration numbers to artifacts and supervise inventory control.

## Taxidermists

- Prepare, stuff and mount skins of animals for preservation, scientific or display purposes.

*Employment requirements*

- Registrars, cataloguers and interpreters may require a university degree in a field related to museum and gallery work.
- For other occupations in this unit group, completion of a college program in museum technology or conservation technology  
or  
Completion of other technical or on-the-job training programs related to the work are required.

*Additional information*

- Museum interpreters may require specific scientific or academic credentials for employment by some museums, nature centres or other sites.
- Technical museum and gallery workers may specialize in a specific type of collection.

**5311 Photographers and support occupations in arts and culture**

This minor group comprises photographers and support occupations in arts and culture such as photographers and motion pictures, broadcasting, photography and performing arts assistants and operators. They are employed by photographic and sound recording studios; museums; government; television and radio networks and stations; motion picture and video production companies; newspapers and magazines; theatre and stage companies; or they may be self-employed.

**53110 Photographers**

Photographers operate still cameras to photograph people, events, scenes, materials, products and other subjects. They are employed by photographic studios, newspapers, magazines, museums and government, or they may be self-employed.

*Illustrative example(s)*

- aerial photographer
- commercial photographer
- forensic photographer
- industrial photographer
- photographer
- portrait photographer
- scientific photographer

*Inclusion(s)*

- multimedia picture illustrator
- photojournalist
- police photographer

*Exclusion(s)*

- Film and video camera operators (52110)

*Main duties*

This group performs some or all of the following duties:

- Study requirements of a particular assignment and decide on type of camera, film, lighting and background accessories to be used
- Determine picture composition, make technical adjustments to equipment and photograph subject
- May operate scanners to transfer photographic images to computers
- May operate computers to manipulate photographic images
- May adapt existing photographic images and create new digitized images to be included in multimedia/new media products
- May use delicate instruments, such as optical microscopes attached to cameras

- May process exposed film
- May use airbrush, computer or other techniques to retouch negatives
- Medical photographers may work closely with medical illustrators.

Photographers may specialize in areas such as portrait photography, commercial photography, scientific photography, forensic photography, medical photography, digitized photography, multimedia photography or photojournalism.

#### *Employment requirements*

- A bachelor's degree in visual arts with specialization in photography  
or  
Completion of specialized training in photography in high school, college or specialized training schools  
or  
Extensive on-the-job training under the supervision of a photographer is required.
- Experience in, or knowledge of computerized photography or digital imaging may be required.
- Creative and technical ability, as demonstrated by a portfolio of work, are required.

### **53111 Motion pictures, broadcasting, photography and performing arts assistants and operators**

Assistants and operators in motion pictures, broadcasting, photography and the performing arts perform duties related to these fields. They are employed by television and radio stations and networks, recording studios, motion picture and video production companies and by theatre and stage companies.

#### *Illustrative example(s)*

- boom grip
- camera crane operator
- dresser - motion pictures, broadcasting and performing arts
- lighting assistant
- production assistant
- prompter
- props person
- script assistant
- set builder
- special effects assistant
- spotlight operator
- stagehand
- Inclusion(s)
- motion picture projectionist
- projectionist

#### *Exclusion(s)*

- Audio and video recording technicians (52113)
- Broadcast technicians (52112)

- Film and video camera operators (52110)
- Other technical and coordinating occupations in motion pictures, broadcasting and the performing arts (52119)

### *Main duties*

This group performs some or all of the following duties:

#### Camera crane operators

- Set up, assemble, adjust, maintain and replace reels and projector equipment; detect and repair mechanical and electrical problems; and change and install an electronic control panel using automated equipment.

#### Motion picture projectionists

- Check the condition of the copy; set up and load film reels on movie theatre projection systems, adjust focus, sound levels and other projector and theatre settings; and maintain projection equipment.

#### Props persons and set builders

- Assemble, repair, place, build and oversee props.

#### Script assistants

- Distribute scripts to actors; keep detailed notes of all actions, positions and camera angles; and photograph and date scenes.

#### Grips and riggers

- Rig, place, move and dismantle sets, backdrops, scenery and other stage equipment.

#### Dressers

- Clean, maintain, transport and store costumes, and assist performers to dress in costumes.

#### Production assistants

- Provide support to the director and producer, and are responsible for various aspects of production such as preparing schedules, setting up equipment, and making travel arrangements to various shooting locations.

### *Employment requirements*

- Completion of secondary school is usually required.
- Most occupations in this unit group require completion of college courses in broadcasting, theatre arts or a related field  
or  
A period of on-the-job training.
- Certification for projectionists is available, but voluntary, in New Brunswick. In Quebec, projectionists are regulated under operators of electrical machines, cinema equipment.
- Projectionists are required to be licensed by their province of employment.

*Additional information*

- There may be an overlap in duties among occupations in this unit group, depending on the size of the production or broadcasting studio.
- Progression to related technical occupations in motion pictures, broadcasting or the performing arts is possible with additional training or experience.

**5312 Occupations in creative and performing art**

This minor group comprises occupations in creative and performing art, including dancers; actors, comedians and circus performers; painters, sculptors and other visual artists; theatre, fashion, exhibit and other creative designers; artisans and craftspersons; patternmakers of textile, leather and fur products. They are employed by radio and television stations, broadcast departments, and film, television and recording studios; advertising and record production companies; ballet, dance and opera companies; orchestras, bands, choirs, concert halls, theatres, lounges and night clubs; television, theatre, film and other production companies; textile, leather and fur products manufacturers; artisan guilds; and dance, acting and art schools; or they may be self-employed.

**53120 Dancers**

Dancers are employed by ballet and dance companies, television and film productions and nightclubs and similar establishments. This unit group also includes dance teachers who are usually employed by dance academies and dance schools.

*Illustrative example(s)*

- ballet dancer
- ballet teacher
- ballroom dancing teacher
- dance instructor
- dancer
- folkloric dancer
- interpretative dancer
- tap dancer

*Inclusion(s)*

- performance movement teacher

*Exclusion(s)*

- Choreographer (See 51120-Producers, directors, choreographers and related occupations)
- Other performers (55109)

*Main duties*

This group performs some or all of the following duties:

**Dancers**

- Practise and rehearse dance routines under direction or instruction to achieve desired interpretation and presentation
- Perform dances as soloists or as members of groups before live audiences or for film or television
- Train and exercise to maintain the required levels of ability and fitness
- May choreograph their own performances.

### Dance teachers

- Teach dance technique and artistic interpretation to amateur and professional individuals and groups
- Teach the techniques, cultural origins and symbolic meanings of Aboriginal, ethnic and folkloric dances
- Teach recreational dancing lessons such as ballroom dancing
- Prepare dance students for specific auditions and performances.

Dancers may specialize in specific types of dance such as ballet, ballroom, folk, jazz or modern.

### *Employment requirements*

- A university degree or college diploma in dance or graduation from a private dance school or academy may be required.
- Talent and ability, as demonstrated during an audition, are important hiring criteria.
- Dance teachers usually require experience as dancers.
- Membership in a guild or union related to the occupation or type of performance may be required.

## **53121 Actors, comedians and circus performers**

Actors, comedians and circus performers perform roles and circus skills in circuses, motion picture, television, theatre and radio productions to entertain a variety of audiences. They are employed by motion picture, television, circuses, theatre and other production companies. This unit group includes acting teachers employed by private acting schools.

### *Illustrative example(s)*

- acrobat
- acting teacher - private or studio
- actor/actress
- circus performer
- clown
- comedian
- drama teacher - private or studio
- narrator

### *Inclusion(s)*

- standardized patient

### *Exclusion(s)*

- Announcers and other broadcasters (52114)
- Dancers (53120)
- Drama professor - university (See 41200-University professors and lecturers)
- Musicians and singers (51122)
- Other performers (55109)



*Main duties*

This group performs some or all of the following duties:

*Actors and comedians*

- Study and rehearse lines, gestures and expressions to interpret a role
- Portray roles in video or motion picture productions, television shows, theatre productions, radio dramas, commercials and other productions or perform the narration
- Sing or dance as required by specific roles
- Perform comedy acts in nightclubs alone or as members of comedy troupes
- Improvise a role.

*Acting teachers*

- Train students in interpretation of scripts, speech, movement, and dramatic theory
- Prepare acting students for specific auditions and performances.

*Circus performers*

- Perform a variety of acts intended to amaze, thrill, and engage audiences
- Conceptualize and choreograph original performances
- Study and perform acrobatic and aerial skills required by specific circus shows
- May participate in the development of a director or ringmaster's vision.

*Employment requirements*

- Demonstrated ability, based on an audition or previous acting or circus roles, is an important hiring criteria.
- Circus performers and acrobats may require a period of study at a circus school.
- Acting programs are offered at universities, colleges and private acting schools.
- Acting teachers usually require experience as actors.
- Membership in a guild or union may be required.

**53122 Painters, sculptors and other visual artists**

Painters, sculptors and other visual artists create original paintings, drawings, sculptures, engravings and other artistic works. They are usually self-employed. This unit group also includes art instructors and teachers, who are usually employed by art schools.

*Illustrative example(s)*

- art teacher (except primary, secondary and post-secondary education)
- artist
- artistic painter
- portrait painter
- sculptor
- silkscreen artist
- watercolourist

### *Exclusion(s)*

- Art teacher - elementary school (See 41221-Elementary school and kindergarten teachers)
- Art teacher - secondary school (See 41220-Secondary school teachers)
- Artisans and craftspersons (53124)
- Fine arts professor - university (See 41200-University professors and lecturers)
- Fine arts teacher - college level (See 41210-College and other vocational instructors)
- Graphic designers and illustrators (52120)

### *Main duties*

This group performs some or all of the following duties:

#### Painters

- Create drawings, paintings and other artwork using oils, pastels, watercolours, charcoal, ink and other media.

#### Sculptors

- Create sculptures, statues and other three-dimensional artwork by shaping, carving and working with materials such as clay, ice, paper, stone, wood or metal.

#### Art instructors and teachers

- Teach students the techniques and methods of drawing, painting, sculpting and other forms of artistic expression.

### *Employment requirements*

- Creative ability and talent, as demonstrated by a portfolio of work, and knowledge of the safe use of materials, tools and equipment are required. Art programs are offered at universities, colleges and private art schools.
- A college diploma in fine arts techniques may be required.
- Art instructors and teachers may be required to have a university degree or college diploma in a field related to art.

## **53123 Theatre, fashion, exhibit and other creative designers**

Theatre, fashion, exhibit and other creative designers conceptualize and produce designs for film, television, theatre and video productions, garments and textiles, displays and exhibits, and for other creative items such as jewellery and trophies. Theatre designers are employed by performing arts and broadcasting companies and by festivals; fashion designers are employed by clothing and textile companies or may be self-employed; and exhibit designers are employed by museums. Other creative designers in this unit group are employed by manufacturing establishments or may be self-employed.

### *Illustrative example(s)*

- clothing designer
- costume designer
- couturier - haute couture
- fabric designer
- fashion designer
- fur designer

- jewellery designer
- lighting designer
- museum exhibit designer
- shoe designer
- trophy designer

#### *Inclusion(s)*

- facilities designer
- fashion coordinator
- fashion stylist

#### *Exclusion(s)*

- Diorama maker - museums and art galleries (See 53100-Registrars, restorers, interpreters and other occupations related to museum and art galleries)
- Graphic designers and illustrators (52120)
- Industrial designers (22211)
- Interior designers and interior decorators (52121)
- Patternmakers - textile, leather and fur products (53125)
- Tailors, dressmakers, furriers and milliners (64200)

#### *Main duties*

This group performs some or all of the following duties:

##### Theatre designers

- Design and create settings, scenic environments, properties, costumes and lighting for theatre, film and video productions, operas and ballets.

##### Fashion designers

- Design and create clothing and accessories for men, women and children.

##### Exhibit designers

- Plan and develop permanent and temporary or moveable exhibits and displays for museum exhibitions, trade shows, conventions and other exhibitions.

Theatre designers may specialize in costume, lighting or set design; fashion designers may specialize in men's, women's or children's apparel or in different lines such as sportswear, footwear or formal wear.

#### *Employment requirements*

- A university degree in fine arts or visual arts with specialization in theatre design, clothing design or exhibit design  
or  
Completion of a college or art school program in theatre design, clothing design or exhibit design is required.
- Creative ability, as demonstrated by a portfolio of work, is required.
- Use of computer-aided design (CAD) software may be required.

*Additional information*

- Designers may advance to supervisory and management positions.

**53124 Artisans and craftspersons**

Artisans and craftspersons use manual and artistic skills to design and make ornamental objects, pottery, stained glass, jewellery, rugs, blankets, other handicrafts and artistic floral arrangements. Makers of musical instruments are also included in this unit group. Most craftspersons are self-employed. Artistic floral arrangers are usually employed in florist shops and floral departments of retail establishments, or may be self-employed. Craft instructors are also included in this unit group and are employed by artisan guilds, colleges, private studios and recreational organizations.

*Illustrative example(s)*

- artistic floral arranger
- carver
- craft instructor (except education)
- craftsperson
- glass blower
- lace weaver - arts and crafts
- leather worker
- metal arts worker
- potter
- screen printing artisan
- silversmith
- stained glass artist
- stringed instrument maker
- totem pole carver
- weaver - arts and crafts

*Exclusion(s)*

- Cabinetmakers (72311)
- Jewellers, jewellery and watch repairers and related occupations (62202)
- Painters, sculptors and other visual artists (53122)
- Weavers, knitters and other fabric making occupations (94131)

*Main duties*

This group performs some or all of the following duties:

*Carvers*

- Use hand tools and woodworking machines to produce carvings from wood, stone and other materials and to carve ornamental designs into wooden furniture and other objects.

*Glass blowers*

- Design and create glass objects using blowpipes and artisan's hand tools and equipment.

### Metal arts workers

- Design metal jewellery, utensils, implements, wall hangings and other objects and create them from gold, silver, copper, pewter and other metals.

### Potters

- Design ornamental and ceramic functional earthenware pieces and create them using clay, moulds, potter's wheels and other equipment, glazing materials and kilns.

### Stained glass artists

- Design stained glass windows, lampshades and other objects and cut, paint, fire and assemble pieces of stained glass to create such products.

### Instrument makers

- Construct instruments by applying their knowledge of wood, ebonite, metal properties and other materials and instrument design using hand and power tools.

### Weavers

- Use hands or loom to interlace strips of flexible material such as wool, cotton, silk, grasses, bark and rawhide to make baskets, wreaths, wall hangings, clothing, rugs, blankets and other objects.

### Craft instructors

- Prepare craftmaking lessons, gather the required working materials and demonstrate and teach craftmaking techniques.

### Artistic floral arrangers

- Design bouquets, corsages, sprays, wreaths and other floral arrangements and select natural and artificial flowers, foliage and decorative accessories to create arrangements or other floral items to suit customers' requirements.

### *Employment requirements*

- Skills are often learned through apprenticeship with a master craftsman.
- Training programs are offered by artisan guilds, colleges and private studios.
- Creative ability and talent, as demonstrated by a portfolio of work, and knowledge of safe handling of material, tools and equipment are required.
- A college diploma in fine craft techniques may be required.

## **53125 Patternmakers - textile, leather and fur products**

Patternmakers in textile, leather and fur products create master patterns for the production of garments, footwear and other textile, leather or fur products. They are employed by pattern manufacturers, textile, leather or fur products manufacturers, or they may be self-employed.

### *Illustrative example(s)*

- dress patternmaker
- embroidery patternmaker
- fur garment patternmaker
- garment patternmaker
- leather products patternmaker

- shoe patternmaker
- textile products patternmaker

#### *Exclusion(s)*

- Supervisors, textile, fabric, fur and leather products processing and manufacturing (92015)

#### *Main duties*

This group performs some or all of the following duties:

- Examine sketches, samples of articles and specifications of designs to determine number, size and shape of pattern parts and assess the amount of cloth required to make a product
- Draw, lay out and cut master patterns of products
- Outline parts of patterns on paper and mark patterns to indicate details such as the placement of pockets and pleats on garments, decorative stitching on shoe parts or eyelets on canvas products
- Create pattern size variations from master patterns using computer or drafting instruments, or forward patterns to computer operator to create pattern size variations
- Lay out master patterns on fabric and cut sample patterns
- Mark size, identification, style and sewing instructions on sample patterns.

#### *Employment requirements*

- Completion of secondary school is required.
- College courses in design and patternmaking or one to two years of on-the-job training are required.
- Courses in computer-assisted patternmaking may be required.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

## **532 Occupations in sports**

This sub-major group comprises occupations in sports, including athletes, coaches, sports officials and referees, and related occupations.

### **5320 Athletes, coaches, referees and related occupations**

This minor group comprises occupations in sports, including athletes, coaches, sports officials and referees, and related occupations. They are employed by national, provincial and local sports organizations, leagues and sporting commissions; professional and amateur sports teams; universities; community centres, sports and fitness clubs, outdoor centres, resorts, recreational facilities, health care facilities, retirement homes and correctional institutions; and government departments, private businesses and tourism associations; or they may be self-employed.

#### **53200 Athletes**

Athletes participate in competitive sports events on an amateur or professional basis. They play team sports such as hockey, baseball, football and lacrosse; or compete in individual sports such as skiing, figure skating, boxing or track and field; or in games such as poker or chess. They are employed by professional team organizations or they may be self-employed.

*Illustrative example(s)*

- athlete
- baseball player
- boxer
- figure skater
- football player
- golfer
- harness race driver
- hockey player
- jockey
- professional athlete
- skier
- sprinter
- track athlete

*Inclusion(s)*

- competitor - gambling
- gamer - video games

*Exclusion(s)*

- Coaches (53201)
- Sports instructor (See 54100-Program leaders and instructors in recreation, sport and fitness)
- Sports officials and referees (53202)

*Main duties*

This group performs some or all of the following duties:

- Train under the direction of a coach or trainer to qualify for competition
- Attend scheduled practice and training sessions
- Participate in local, regional, provincial, national or international competitions and sporting events
- Assess performance after an event to identify strengths and weaknesses.

*Employment requirements*

- Demonstrated ability in a particular sport, or type of game, is required.
- Extensive training under the supervision of a coach is required.
- Certification with a particular sports federation may be required.
- A background combining athletic training and college or university studies is strongly recommended.

**53201 Coaches**

Coaches prepare and train individual athletes or teams for competitive events. They are employed by national and provincial sports organizations, professional and amateur sports teams, sports clubs and universities or they may be self-employed. This unit group also includes sports scouts who identify and recruit athletes for professional sports teams. They are employed by professional sports organizations.

*Illustrative example(s)*

- coach
- figure skating coach
- football scout
- gymnastics coach
- head coach
- hockey coach
- hockey scout
- national team coach
- soccer coach
- sports scout
- swimming coach
- volleyball coach

*Exclusion(s)*

- Athletes (53200)
- Athletic therapist (See 31204-Kinesiologists and other professional occupations in therapy and assessment)
- Program leaders and instructors in recreation, sport and fitness (54100)
- Sports officials and referees (53202)

*Main duties*

This group performs some or all of the following duties:

Coaches

- Identify strengths and weaknesses of athletes or teams
- Plan, develop and implement training and practice sessions
- Nurture and develop athletes' potential skills and abilities
- Develop, plan and coordinate competitive schedules and programs
- Motivate and prepare athletes or teams for competitive events or games
- Formulate competitive strategies, develop game plans and direct athletes and players during games or athletic events
- Analyse and evaluate athletes' or teams' performances and modify training programs.

Sports scouts

- Identify and recruit developing athletes for professional sports teams
- Observe and evaluate prospective athletes' skills and performance, and review their past records
- File reports on scouting assessments and recommendations with professional team employers.

*Employment requirements*

Coaches

- Completion of the National Coaching Certificate program is usually required for individual and team sports coaches in all sports.
- National Coaching Certificate Level 3 is usually required for provincial coaches.



- National Coaching Certificate Level 4 is usually required for coaches of national team athletes.
- A degree in physical education may be required.
- Experience in, and technical knowledge of, the sport is required.

#### Sports scouts

- Experience in, and technical knowledge of, the sport is required.

### **53202 Sports officials and referees**

Sports officials and referees observe and enforce rules and regulations governing sporting events, athletic games and sports competitions. They are employed by national, provincial and local sporting commissions, organizations and leagues.

#### *Illustrative example(s)*

- athletics judge
- clerk of the course - racetrack
- figure skating judge
- goal judge
- harness racing starter
- racetrack timer
- referee
- sports linesman/woman
- sports official
- umpire

#### *Exclusion(s)*

- Coaches (53201)
- Program leaders and instructors in recreation, sport and fitness (54100)

#### *Main duties*

This group performs some or all of the following duties:

- Officiate at sporting events or athletic competitions to maintain standards of play and to ensure that game rules and safety regulations are observed
- Record elapsed time and keep scores during events or competitions
- Judge the performance of competitors, award points, impose penalties for infractions and determine results
- Compile scores and other athletic records
- Establish and maintain rapport with coaches, players and organizing committees
- Verify credentials of athletes or animals engaged in sports or related special events, and respond to written protests.

#### *Employment requirements*

- Sports officials require certification by and registration with a sport governing body or commission.
- Sports referees require completion of an officiating program offered by a sport governing body.

## **54 Support occupations in sport**

This major group comprises support occupations in sport. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 4. Occupations classified in TEER 4, as those included in this group with a 4 as the second digit of their code, typically require completion of secondary school; or several weeks of on-the-job training with some secondary school education; or experience in a related occupation from TEER 5, when applicable (TEER 5 includes occupations with a 5 as a second digit in their code).

### **541 Support occupations in sport**

This sub-major group comprises support occupations in sport, including program leaders and instructors in recreation, sport and fitness.

#### **5410 Program leaders and instructors in recreation, sport and fitness**

This minor group comprises program leaders and instructors in recreation, sport and fitness. They are employed by community centres, sports and fitness clubs, outdoor centres, resorts, recreational facilities, health care facilities, retirement homes; correctional institutions; government departments, private businesses and tourism associations and similar establishments.

##### **54100 Program leaders and instructors in recreation, sport and fitness**

Program leaders and instructors in recreation, sport and fitness lead and instruct groups and individuals in recreational, sports, fitness or athletic programs. Fitness appraisers conduct fitness tests and assessments and design, develop and deliver fitness programs. They are employed by community centres, sports and fitness clubs, outdoor centres, resorts, recreational facilities, health care facilities, retirement homes, correctional institutions, government departments, private businesses, tourism associations and similar establishments.

##### *Illustrative example(s)*

- aerobics instructor
- camp counsellor
- certified personal trainer
- day camp leader
- fitness appraiser
- fitness instructor
- gymnastics teacher
- personal trainer
- playground worker
- recreation program leader
- recreation technician
- riding instructor
- ski instructor
- ski patrol
- swimming instructor - sports

##### *Inclusion(s)*

- lifeguard
- search and rescue crew member - sports and recreation
- ski patroller

*Exclusion(s)*

- Other instructors (43109)
- Recreation supervisor (See 41406-Recreation, sports and fitness policy researchers, consultants and program officers)
- Recreation, sports and fitness program and service directors (50012)
- Sports supervisor (See 41406-Recreation, sports and fitness policy researchers, consultants and program officers)

*Main duties*

This group performs some or all of the following duties:

*Program leaders and instructors in recreation and sport*

- Plan and carry out recreational, athletic, fitness and sports activities
- Assemble supplies and sports and game equipment
- Demonstrate and instruct athletic, fitness or sports activities and techniques
- Instruct groups and individuals in arts, crafts and similar activities and lead groups and individuals in recreational or leisure programs
- Attend to clients with special needs
- Provide lifestyle awareness information
- Conduct therapeutic recreational or athletic activities
- Monitor recreational, sports or fitness activities to ensure safety and provide emergency or first aid assistance when required
- Enforce safety rules and regulations
- Assist with coordination of special events
- Schedule activities, keep logs, maintain records and prepare reports
- May train and supervise staff
- May maintain and repair sports equipment.

*Fitness appraisers*

- Assess individual's physical fitness through fitness tests and assessments and design fitness programs based on results
- Provide information to the public and individuals on lifestyle and methods to improve and maintain physical fitness and weight
- Measure and record individuals' bodily proportions, weight and body mass index
- Handle equipment to conduct fitness tests and assessments and deliver exercise programs.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a college program in recreation or physical education or extensive experience in a specific recreational or sports program activity is usually required.
- Certification is usually required in a specific area of recreational, sports or fitness activity, such as ski instructor or personal trainer, or in first aid or emergency care.
- Demonstrated ability in a particular recreational, sports or fitness discipline is required.
- Fitness appraiser certification may be required for fitness appraisers.

## 55 Support occupations in art and culture

This major group comprises support occupations in art and culture. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 5. Occupations classified in TEER 5, as those included in this group with a 5 as the second digit of their code, are typically accessible with short work demonstration and no formal educational requirements.

### 551 Support occupations in art and culture

This sub-major group comprises support occupations in art and culture and other performers not elsewhere classified.

#### 5510 Support occupations in art and culture

This minor group comprises support occupations in art and culture and other performers not elsewhere classified. They are employed by art and cultural establishments; advertising, communication and production companies; or they may be self-employed.

##### 55109 Other performers

Other performers include influencers, magicians, models, puppeteers and other performers. They are employed by nightclubs and theatre, advertising and other production companies, or they may be self-employed.

##### *Illustrative example(s)*

- busker
- fashion model
- influencer
- magician
- puppeteer

##### *Inclusion(s)*

- deejay (DJ) - turntablist

##### *Exclusion(s)*

- Actors, comedians and circus performers (53121)
- Dancers (53120)
- Musicians and singers (51122)

##### *Main duties*

This group performs some or all of the following duties:

###### Buskers

- Entertain passers-by on sidewalks and in parks with magic tricks, juggling acts, short dramatic works, music and other entertaining displays.

###### Magicians and illusionists

- Perform sleight-of-hand tricks, disappearing acts and other illusions.

#### Fashion models

- Display clothing and merchandise in commercials, advertisements and fashion shows
- Pose for artists, photographers and videographers.

#### Influencers

- Share ideas and advice on a broad range of topics
- Create personal and branded content for social media or other digital platforms.

#### *Employment requirements*

- Completion of modelling courses is usually required for models.
- Training for other occupations in this unit group is often obtained under the guidance of a practitioner.
- Membership in a guild or union related to the occupation or type or performance may be required.

#### *Additional information*

- There is little mobility between the different occupations in this unit group.

## 6 Sales and service occupations

This broad category comprises middle management occupations in wholesale and retail trade, and customer services, as well as occupations concerned with wholesale and retail sales, and customer, personal and support service occupations related to a wide range of industries, such as accommodation and food services, travel, tourism and cleaning services.

### 60 Middle management occupations in retail and wholesale trade and customer services

This major group comprises middle management occupations in retail and wholesale trade and customer services. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

#### 600 Middle management occupations in retail and wholesale trade and customer services

This sub-major group comprises middle management occupations in retail and wholesale trade and customer services, including corporate sales managers; retail and wholesale trade managers; managers in food service and accommodation; and managers in customer and personal services.

##### 6001 Corporate sales managers

This minor group comprises corporate sales managers. They are employed by commercial, industrial and wholesale and retail trade establishments.

##### 60010 Corporate sales managers

Corporate sales managers plan, organize, direct, control and evaluate the activities of establishments and departments involved in commercial, industrial, institutional, e-business and wholesale and retail sales. They are employed by commercial, industrial and wholesale and retail trade establishments.

##### *Illustrative example(s)*

- corporate sales manager
- national accounts manager - sales
- regional sales manager
- trade expansion manager

##### *Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Retail and wholesale trade managers (60020)
- Senior managers - trade, broadcasting and other services (00014)
- Technical sales supervisor (See 62100-Technical sales specialists - wholesale trade)

##### *Main duties*

This group performs some or all of the following duties:

- Plan direct and evaluate the activities of sales departments in commercial, industrial, wholesale and retail and other establishments
- Organize regional and divisional sales operations
- Establish organizational policies and procedures in relation to sales
- Determine strategic planning related to new product lines

- Lead sales team in building relationships with business clients and manage negotiations of sales contracts
- Recruit, organize, train and manage staff
- May work with the marketing department to understand and communicate marketing messages to the field.

#### *Employment requirements*

- A university degree or college diploma in business or in a related field with a specialization in sales and  
Several years of experience as a sales representative or in a related occupation are usually required.

#### *Additional information*

- Progression to senior management positions is possible with experience.

### **6002 Retail and wholesale trade managers**

This minor group comprises retail and wholesale trade managers. They are employed by retail and wholesale sales establishments; or they may own and operate their own stores (self-employed).

#### **60020 Retail and wholesale trade managers**

Retail and wholesale trade managers plan, organize, direct, control and evaluate the operations of establishments that sell merchandise or services on a retail or wholesale basis. They are employed by retail and wholesale sales establishments or they may own and operate their own store.

#### *Illustrative example(s)*

- antique dealer
- assistant manager - retail
- automobile repair shop manager
- bookstore manager
- car dealership manager
- cattle dealer
- clothing store manager
- department store manager
- pleasure boat dealer
- sporting goods store manager
- store manager - retail
- supermarket manager
- variety store manager

#### *Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Insurance, real estate and financial brokerage managers (10020)
- Restaurant and food service managers (60030)
- Retail sales supervisors (62010)

### *Main duties*

This group performs some or all of the following duties:

- Plan, direct and evaluate the operations of establishments engaged in wholesale and retail sales or of departments in such establishments
- Manage staff and assign duties
- Study market research and trends to determine consumer demand, potential sales volumes and effect of competitors' operations on sales
- Determine merchandise and services to be sold, and implement price and credit policies
- Source and negotiate with vendors when necessary to procure merchandise for resale
- Develop and implement marketing strategies
- Plan budgets, authorize expenditures, and monitor revenues
- Evaluate and improve customer service and respond to customer requests and issues
- Address staffing requirements, including the hiring, development and retention of staff.

### *Employment requirements*

- Completion of secondary school is required.
- A university degree or college diploma in business administration or other field related to the product or service being sold may be required.
- Several years of related retail or wholesale sales experience at increasing levels of responsibility are usually required.

### *Additional information*

- There is some mobility between managers in this unit group, depending on the product or service.

## **6003 Managers in food service and accommodation**

This minor group comprises managers in restaurants and other food service and accommodation service. They are employed by food and beverage service establishments; and hotels, motels, resorts, student residences and other accommodation establishments; or they may be self-employed.

### **60030 Restaurant and food service managers**

Restaurant and food service managers plan, organize, direct, control and evaluate the operations of restaurants, bars, cafeterias and other food and beverage services. They are employed in food and beverage service establishments, or they may be self-employed.

#### *Illustrative example(s)*

- banquet manager
- bar manager
- cafeteria manager
- catering service manager
- dining room manager
- food services manager
- hotel food and beverage service manager
- restaurant assistant manager



- restaurant manager
- restaurateur - food services

#### *Exclusion(s)*

- Dietitians and nutritionists (31121)
- Executive chef (See 62200-Chefs)
- Food service supervisors (62020)
- Senior managers - trade, broadcasting and other services (00014)

#### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a restaurant, bar, cafeteria or other food or beverage service
- Determine type of services to be offered and implement operational procedures
- Recruit staff and oversee staff training
- Set staff work schedules and monitor staff performance
- Control inventory, monitor revenues and modify procedures and prices
- Resolve customer complaints and ensure health and safety regulations are followed
- Negotiate arrangements with suppliers for food and other supplies
- Negotiate arrangements with clients for catering or use of facilities for banquets or receptions.

#### *Employment requirements*

- Completion of a college or other program related to hospitality or food and beverage service management is usually required.
- Several years of experience in the food service sector, including supervisory experience, are required.
- Responsible beverage service certification is usually required for managers of establishments serving alcoholic beverages.

#### *Additional information*

- Progression to senior management in food service is possible with experience.

### **60031 Accommodation service managers**

Accommodation service managers plan, organize, direct, control and evaluate the operations of an accommodation establishment or of a department within such an establishment. They are employed by hotels, motels, resorts, student residences and other accommodation establishments, or they may be self-employed.

#### *Illustrative example(s)*

- bed and breakfast operator
- front desk manager - accommodation services
- guest-house operator
- hotel assistant manager
- hotel director
- hotel manager
- motel manager

- reservations manager
- seasonal resort manager
- ski resort manager
- tourist home operator

*Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Executive housekeepers (62021)
- Facility operation and maintenance managers (70012)
- Restaurant and food service managers (60030)
- Retail and wholesale trade managers (60020)

*Main duties*

This group performs some or all of the following duties:

- Develop, implement and evaluate policies and procedures for the operation of the department or establishment
- Prepare budgets and monitor revenues and expenses
- Participate in the development of pricing and promotional strategies
- Negotiate with suppliers for the provision of materials and supplies
- Negotiate with clients for the use of facilities for conventions, banquets, receptions and other functions
- Recruit and supervise staff, oversee training and set work schedules
- Resolve customer complaints.

*Employment requirements*

- A university degree or college diploma in hotel management or other related discipline is usually required for managers employed by hotel chains or large accommodation establishments.
- Several years of experience within the accommodation industry are usually required and may substitute for formal educational requirements.

**6004 Managers in customer and personal services**

This minor group comprises managers in customer and personal services, not elsewhere classified. They are employed by hairdressing salons, dry cleaners, residential cleaning services and other establishments that provide customer and personal services not elsewhere classified; and by schools that provide non-vocational instruction in driving, languages, music, dance, art, cooking and fashion.

**60040 Managers in customer and personal services**

Managers in customer and personal services provide services such as dry cleaning, hairdressing or residential cleaning. This group also includes managers of schools that provide non-vocational instruction in driving, languages, music, dance, art, cooking or fashion.

*Illustrative example(s)*

- barber shop manager
- car wash manager
- cooking school manager

- driving school manager
- dry cleaning service manager
- hairdressing salon manager
- pest control service manager
- residential cleaning service manager
- septic tank service manager
- spa manager
- window washing service manager

#### *Exclusion(s)*

- Accommodation service managers (60031)
- Cleaning supervisors (62024)
- Executive housekeepers (62021)
- Other business services managers (10029)
- Retail and wholesale trade managers (60020)
- Retail sales supervisors (62010)

#### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of an establishment providing services such as dry cleaning, hairdressing or residential cleaning, or a school providing non-vocational instruction in driving, languages, music, dance, art, cooking or fashion
- Establish or implement policies and procedures for staff
- Plan and control budget and inventory
- Respond to inquiries or complaints and resolve problems
- Manage contracts for advertising or marketing strategies
- Hire, train and supervise staff.

#### *Employment requirements*

- Completion of secondary school is usually required.
- A college diploma or vocational certificate in the subject of instruction may be required.
- One to three years of experience in the service being offered are usually required.

## **62 Retail sales and service supervisors and specialized occupations in sales and services**

This major group comprises retail sales and service supervisors and specialized occupations in sales and services. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

## **620 Retail sales and service supervisors**

This sub-major group comprises retail sales and service supervisors.

### **6201 Retail sales supervisors**

This minor group comprises retail sales supervisors. They are employed by stores and other retail businesses, wholesale businesses that sell on a retail basis to the public, rental service establishments and businesses involved in door-to-door soliciting and telemarketing.

#### **62010 Retail sales supervisors**

Retail sales supervisors supervise and coordinate the activities of workers in the following unit groups: Retail salespersons and visual merchandisers (64100), Cashiers (65100), Store shelf stockers, clerks and order fillers (65102) and Other sales related occupations (65109). They are employed by stores and other retail businesses, wholesale businesses that sell on a retail basis to the public, rental service establishments and businesses involved in door-to-door soliciting and telemarketing.

##### *Illustrative example(s)*

- department store supervisor
- head cashier
- liquor store supervisor
- produce department supervisor
- rental service supervisor
- retail sales route supervisor
- telemarketing supervisor

##### *Exclusion(s)*

- Retail and wholesale trade managers (60020)
- Service supervisors (6202)
- Technical sales supervisor (See 62100-Technical sales specialists - wholesale trade)

##### *Main duties*

This group performs some or all of the following duties:

- Supervise and coordinate sales staff and cashiers
- Assign sales workers to duties and prepare work schedules
- Authorize payments and the return of merchandise
- Resolve issues that may arise, including customer requests, complaints and supply shortages
- Maintain specified inventory and order merchandise
- Prepare reports regarding sales volumes, merchandising and personnel matters
- Hire and train or arrange for the training of new sales staff and monitor and report on performance
- Ensure the visual standards and image of the store are maintained, such as store displays, signage and cleanliness
- May perform the same duties as workers supervised
- May perform key holding and managerial duties if required, such as opening and closing the store, managing escalated complaints, developing and implementing marketing strategies, and signing for deliveries.

*Employment requirements*

- Completion of secondary school is usually required.
- Previous retail sales experience as a retail salesperson or sales clerk, cashier, telemarketer, door-to-door salesperson or rental agent is usually required.

*Additional information*

- Progression to management positions in retail trade is possible with additional training or experience.

**6202 Service supervisors**

This minor group comprises service supervisors, including food service supervisors; executive housekeepers; accommodation, travel, tourism and related services supervisors; customer and information services supervisors; cleaning supervisors; and other services supervisors. They are employed by hospitals and other health care establishments; cafeterias, catering companies and other food service establishments; banks, trust companies, credit unions and similar financial institutions; retail establishments, contact centres and insurance, telephone and utility companies; schools and other educational institutions; hotels, motels, commercial and industrial establishments and home, office and specialized cleaning companies; and other service establishments throughout the public and private sectors.

**62020 Food service supervisors**

Food service supervisors supervise, direct and coordinate the activities of workers who prepare, portion and serve food. They are employed by hospitals and other health care establishments and by cafeterias, catering companies and other food service establishments.

*Illustrative example(s)*

- cafeteria supervisor
- canteen supervisor
- catering supervisor
- food service supervisor

*Exclusion(s)*

- Banquet captain (See 65200-Food and beverage servers)
- Maîtres d'hôtel and hosts/hostesses (64300)
- Mobile canteen service supervisor (See 72024-Supervisors, motor transport and other ground transit operators)
- Restaurant and food service managers (60030)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of staff who prepare, portion and serve food
- Estimate and order ingredients and supplies required for meal preparation
- Prepare food order summaries for chef according to requests from dieticians, patients in hospitals or other customers
- Establish work schedules and procedures
- Maintain records of stock, repairs, sales and wastage
- Train staff in job duties, and sanitation and safety procedures

- Supervise and check assembly of regular and special diet trays and delivery of food trolleys to hospital patients
- Ensure that food and service meet quality control standards
- May participate in the selection of food service staff and assist in the development of policies, procedures and budgets
- May plan cafeteria menus and determine related food and labour costs.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a community college program in food service administration, hotel and restaurant management or related discipline  
or  
Several years of experience in food preparation or service are required.

### **62021 Executive housekeepers**

Executive housekeepers direct and control the operations of housekeeping departments within hotels, hospitals and other establishments.

#### *Illustrative example(s)*

- assistant executive housekeeper
- executive housekeeper
- hospital executive housekeeper
- hotel executive housekeeper
- housekeeping director
- housekeeping manager

#### *Exclusion(s)*

- Accommodation service managers (60031)
- Facility operation and maintenance managers (70012)
- Housekeeping room attendant supervisor (See 62024-Cleaning supervisors)
- Housekeeping supervisor (See 62024-Cleaning supervisors)

#### *Main duties*

This group performs some or all of the following duties:

- Manage the operations of the housekeeping department
- Plan and coordinate the activities of housekeeping supervisors and their crews
- Conduct inspections to ensure that departmental standards and health and safety regulations are being met
- Select and purchase equipment and supplies, and maintain inventory
- Arrange for maintenance and repair of equipment and machinery
- Hire, train and supervise housekeeping staff
- Maintain financial records and prepare budgets, payroll and employee schedules.

*Employment requirements*

- Completion of secondary school is usually required.
- A university degree or college diploma in hospital management, hotel management or business administration is usually required.
- Extensive experience as a cleaning supervisor may substitute for formal education requirements.

**62022 Accommodation, travel, tourism and related services supervisors**

Accommodation, travel, tourism and related services supervisors supervise and coordinate the activities of hotel accommodation service clerks, casino workers, reservation clerks and other travel and accommodations workers not elsewhere classified. They are employed by service establishments throughout the public and private sectors.

*Illustrative example(s)*

- casino dealer supervisor
- hotel clerk supervisor
- reservations supervisor
- tour guide supervisor
- travel clerk supervisor

*Exclusion(s)*

- Accommodation service managers (60031)
- Food service supervisors (62020)

*Main duties*

This group performs some or all of the following duties:

- Coordinate, assign and review the work of hotel, motel and other accommodation services clerks, casino workers, reservation clerks and other travel and accommodations workers not elsewhere classified
- Establish work schedules and procedures and coordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Hire and train staff in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems, equipment and machinery, and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of college courses related to the area supervised may be required.
- Experience in the occupation supervised is usually required.
- Casino gaming licences are usually required for all casino employees.

*Additional information*

- Progression to managerial positions is possible with additional training or experience.

## 62023 Customer and information services supervisors

Customer and information services supervisors supervise and coordinate the activities of workers in the following unit groups: Customer service representatives - financial institutions (64400) and Other customer and information services representatives (64409). They are employed by banks, trust companies, credit unions and similar financial institutions, retail establishments, contact centres, insurance, telephone and utility companies and other establishments throughout the public and private sectors.

### *Illustrative example(s)*

- call centre agent supervisor
- contact centre supervisor
- current accounts supervisor
- customer service representatives supervisor - financial services
- information clerks supervisor

### *Exclusion(s)*

- Airline sales and service agents supervisor (See 62022-Accommodation, travel, tourism and related services supervisors)
- Banking, credit and other investment managers (10021)
- Other business services managers (10029)
- Retail and wholesale trade managers (60020)
- Retail sales supervisors (62010)
- Supervisors, finance and insurance office workers (12011)

### *Main duties*

This group performs some or all of the following duties:

#### Customer service representatives supervisors - financial services

- Supervise, coordinate, assign and review the work of clerks engaged in the following duties: providing information and customer service; and serving customers in banks, trust companies and other financial institutions
- Examine and verify accuracy of work and authorize routine deposits and withdrawals
- Establish work schedules and procedures
- Coordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Identify training needs and train workers in job duties and company policies
- Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

#### Customer service representatives supervisors (except financial services)

- Supervise, coordinate, assign, and review the work of clerks and agents engaged in conducting surveys and interviews, collecting and compiling statistics, providing information and customer service, and writing correspondence including emails and preparing materials
- Establish work schedules and procedures



- Coordinate activities with other units and departments
- Prepare and submit progress reports and other documentation
- Identify training needs and train workers in job duties and company policies
- Ensure the smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

#### *Employment requirements*

- Experience in the occupation supervised is required.
- Completion of college or industry courses related to financial or customer services may be required.

### **62024 Cleaning supervisors**

Cleaning supervisors supervise and coordinate the activities of workers in the following unit groups: Light duty cleaners (65310), Specialized cleaners (65311), and Janitors, caretakers and building superintendents (73201). They are employed by hospitals and other health care institutions, hotels, motels, schools and other educational institutions, commercial and industrial establishments, home and office cleaning establishments and by various specialized cleaning companies.

#### *Illustrative example(s)*

- building cleaning supervisor
- carpet cleaning supervisor
- cleaning supervisor
- head custodian
- housekeeping supervisor
- window washing supervisor

#### *Exclusion(s)*

- Building maintenance supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)
- Executive housekeepers (62021)
- Specialized cleaners (65311)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise and coordinate the work of light duty, industrial or specialized cleaners and janitors
- Inspect sites or facilities to ensure established safety and cleanliness standards are met
- Recommend or arrange for additional services required such as painting, repair work, renovations or replacement of furnishings and equipment
- Hire and train cleaning staff
- Prepare work schedule and coordinate activities with those of other departments
- Prepare budget, estimate costs and keep financial records
- Receive payment for specialized cleaning jobs
- May perform certain cleaning duties.

### *Employment requirements*

- Completion of secondary school is usually required.
- Previous experience in a particular area of cleaning is usually required.
- Previous supervisory experience may be required.

## **62029 Other services supervisors**

Other services supervisors supervise and coordinate the activities of dry cleaning, laundry, ironing, pressing and finishing workers, theatre ushers and attendants, spa, sports and recreation club workers, commissionaires, security guards and other service workers. They are employed by service establishments throughout the public and private sectors.

### *Illustrative example(s)*

- clubhouse attendants supervisor
- commissionaire supervisor
- dry cleaning production supervisor
- dry cleaning supervisor
- laundry and dry cleaning forewoman
- laundry supervisor
- parking lot supervisor
- security guard supervisor
- ski lift attendants supervisor
- spa supervisor
- theatre attendants supervisor
- ticket taker supervisor

### *Exclusion(s)*

- Cleaning supervisors (62024)
- Executive housekeepers (62021)
- Managers in customer and personal services (60040)
- Retail sales supervisors (62010)

### *Main duties*

This group performs some or all of the following duties:

- Coordinate, assign and review the work of dry cleaning, laundry, ironing, pressing and finishing workers, theatre ushers and attendants, spa, sports and recreation club workers, commissionaires, security guards and other service workers not elsewhere classified
- Establish work schedules and procedures and coordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Hire and train staff in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems, equipment and machinery, and arrange for maintenance and repair work
- Monitor quality and production levels
- May perform the same duties as workers supervised.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of college courses related to the area supervised may be required.
- Experience in the occupation supervised is usually required.
- Certification or licensing may be required for some occupations in this group (i.e., supervisors of commissionaires or security guards).

*Additional information*

- Progression to managerial positions is possible with additional training or experience.

**621 Specialized sales occupations**

This sub-major group comprises specialized sales occupations, including technical sales specialists in wholesale trade and retail and wholesale buyers.

**6210 Technical sales specialists in wholesale trade and retail and wholesale buyers**

This minor group comprises specialized sales occupations, including technical sales specialists in wholesale trade and retail and wholesale buyers. They are employed by establishments that produce and provide technical goods and services and retail and wholesale establishments; or they may be self-employed.

**62100 Technical sales specialists - wholesale trade**

Technical sales specialists in wholesale trade, sell a range of technical goods and services, such as scientific, agricultural and industrial products, electricity, telecommunications services and computer services, to governments and to commercial and industrial establishments in domestic and international localities. They are employed by establishments that produce or provide technical goods and services, such as pharmaceutical companies, industrial equipment manufacturing companies, grain elevators, computer services firms, engineering firms and hydroelectric companies, or they may be self-employed technical sales specialists/agents who contract their services to other companies. Technical sales specialists in wholesale trade who are supervisors are included in this unit group.

*Illustrative example(s)*

- aircraft sales representative
- communication equipment sales representative
- construction equipment sales representative
- electricity sales representative
- heavy equipment sales representative
- industrial supplies sales representative
- medical instruments sales agent
- software sales representative
- technical sales representative
- technical sales supervisor
- technical support specialist - wholesale trade

*Inclusion(s)*

- sales engineer

### *Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Retail salespersons and visual merchandisers (64100)
- Sales and account representatives - wholesale trade (non-technical) (64101)

### *Main duties*

This group performs some or all of the following duties:

- Maintain and grow sales relationships with existing clients
- Identify and solicit potential clients
- Assess clients' needs, recommend or assist in the selection of appropriate goods or services, and negotiate prices or other sales terms
- Provide input into product design where goods or services must be tailored to suit clients' needs
- Develop sales presentations, proposals, or other materials to illustrate benefits from use of good or service
- Estimate costs of installing and maintaining equipment or service
- Prepare and administer sales contracts and maintain customer records
- Consult with clients after sale to resolve problems and to provide ongoing support
- Troubleshoot technical problems related to equipment
- Develop and maintain technical product or service knowledge to explain features to clients and answer questions about goods or services
- May offer training in the operation and maintenance of equipment
- Develop, implement and report on sales strategies to achieve business goals
- Assess market conditions and competitors' activities and develop an awareness of emerging markets and trends
- May supervise the activities of other technical staff and sales specialists.

Technical sales specialists usually specialize in a particular line of goods or services.

### *Employment requirements*

- A university degree or college diploma in a program related to the product or service is usually required.
- Experience in sales or in a technical occupation related to the product or service may be required.
- Fluency in a specific foreign language, and/or foreign work or travel experience may be required for technical sales specialists seeking employment with companies that import or export technical goods or services.
- Technical sales supervisors require experience as a technical sales specialist.
- A driver's licence and a good driving record may be required.

### *Additional information*

- Extensive company training programs for technical sales specialists may be provided by employers.
- Progression to sales management positions is possible with additional training or experience.

## **62101 Retail and wholesale buyers**

Retail and wholesale buyers buy merchandise for resale by retail or wholesale establishments and are usually responsible for the merchandising operations of retail or wholesale establishments. Retail and wholesale buyers who are supervisors and those who are assistants are included in this unit group.

*Illustrative example(s)*

- appliance buyer
- assistant buyer
- beverage taster and buyer
- buyer - retail
- buyer - wholesale
- chief buyer
- clothing buyer
- food buyer
- produce buyer

*Inclusion(s)*

- merchandiser

*Exclusion(s)*

- Procurement and purchasing agents and officers (12102)

*Main duties*

This group performs some or all of the following duties:

- Purchase merchandise for resale by retail or wholesale establishments
- Review requirements of establishment and determine quantity and type of merchandise to purchase
- Study market reports, trade periodicals and sales promotion materials and visit trade shows, showrooms, factories and product design events
- Select the merchandise which best fits the establishment's requirements
- Interview suppliers and negotiate prices, discounts, credit terms and transportation arrangements
- Oversee distribution of merchandise to outlets and maintain adequate stock levels
- Establish and maintain contact with suppliers
- May supervise the work of other retail buyers.

Retail and wholesale buyers may specialize in a particular merchandise line.

*Employment requirements*

- Completion of secondary school is required.
- A university degree or college diploma in business, marketing or a related program is usually required.
- Previous work experience in retail or wholesale establishments is usually required.
- Supervisors and senior buyers require experience in the occupation supervised or in a particular merchandise line.

*Additional information*

- Retail and wholesale buyers may specialize through experience or product-related training courses.
- Progression to management positions in retail trade, sales, marketing or advertising is possible with additional training or experience.

## 622 Specialized services occupations

This sub-major group comprises specialized services occupations, including chefs; funeral directors and embalmers; jewellers, jewellery and watch repairers and related occupations.

### 6220 Specialized occupations in services

This minor group comprises specialized services occupations, including chefs; funeral directors and embalmers; jewellers, jewellery and watch repairers and related occupations. They are employed by restaurants, hotels, hospitals and other health care institutions, central food commissaries, clubs, and other similar establishments; on ships; at funeral homes; and at jewellery stores or repair shops; or they may be self-employed.

#### 62200 Chefs

Chefs plan and direct food preparation and cooking activities and who prepare and cook meals and specialty foods. They are employed in restaurants, hotels, hospitals and other health care institutions, central food commissaries, clubs and similar establishments, and on ships.

##### *Illustrative example(s)*

- chef
- corporate chef
- executive chef
- executive sous-chef
- head chef
- master chef
- pastry chef
- saucier
- sous-chef
- specialist chef

##### *Exclusion(s)*

- Cooks (63200)
- Food counter attendants, kitchen helpers and related support occupations (65201)
- Restaurant and food service managers (60030)

##### *Main duties*

This group performs some or all of the following duties:

##### Chefs

- Plan and direct food preparation and cooking activities of several restaurants in an establishment, restaurant chains, hospitals or other establishments with food services
- Consult with clients regarding weddings, banquets and specialty functions
- Plan menus and ensure food meets quality standards
- Estimate food requirements and may estimate food and labour costs
- Supervise activities of sous-chefs, specialist chefs, chefs and cooks
- Arrange for equipment purchases and repairs
- Recruit and hire staff
- May prepare and cook food on a regular basis, or for special guests or functions.

### Sous-chefs

- Supervise activities of specialist chefs, chefs, cooks and other kitchen workers
- Demonstrate new cooking techniques and new equipment to cooking staff
- May plan menus and requisition food and kitchen supplies
- May prepare and cook meals or specialty foods.

### Chefs and specialist chefs

- Prepare and cook complete meals or specialty foods, such as pastries, sauces, soups, salads, vegetables and meat, poultry and fish dishes, and create decorative food displays for special events such as banquets
- Instruct cooks in preparation, cooking, garnishing and presentation of food
- Create new recipes
- Supervise cooks and other kitchen staff
- May plan menus
- May requisition food and kitchen supplies.

### *Employment requirements*

- Completion of secondary school is usually required.
- Cook's trade certification or equivalent credentials, training and experience are required.
- Executive chefs usually require management training and several years of experience in commercial food preparation, including two years in a supervisory capacity and  
Experience as a sous-chef, specialist chef or chef.
- Sous-chefs, specialist chefs and chefs usually require several years of experience in commercial food preparation.
- Red Seal endorsement for cooks is also available to qualified chefs upon successful completion of the interprovincial Red Seal examination.
- The certifications of Certified Working Chef (CWC) and Certified Chef de Cuisine (CCC), administered by the Canadian Culinary Institute (CCI) of the Canadian Culinary Federation (CCF) are available to qualified chefs.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- There is some mobility among the various types of chefs in this unit group.
- Executive chefs may progress to managerial positions in food preparation establishments.

## **62201 Funeral directors and embalmers**

Funeral directors coordinate and arrange all aspects of funeral services. Embalmers prepare the remains of deceased persons for public visitation and burial. Funeral directors and embalmers are employed by funeral homes.

### *Illustrative example(s)*

- apprentice embalmer
- embalmer
- funeral director
- mortician

### *Exclusion(s)*

- Bereavement counsellor (See 41301-Therapists in counselling and related specialized therapies)
- Funeral home attendant (See 65329-Other service support occupations)
- Funeral services general manager (See 00014-Senior managers - trade, broadcasting and other services)

### *Main duties*

This group performs some or all of the following duties:

#### Funeral directors

- Consult with the family of the deceased regarding the nature of the funeral service, the disposition of the remains and funeral costs
- Transfer, or arrange for the transfer of, the remains from the place of death to the funeral home
- Inform survivors of benefits for which they may be eligible
- Issue death notices to newspapers
- Oversee the preparation of the remains, plan and schedule funeral services, coordinate burials and cremations and complete legal documents
- Discuss and negotiate prearranged funerals with clients
- Manage funeral home operations including hiring and directing staff, maintaining financial records, preparing accounts and ordering merchandise
- Supervise embalmers, funeral home attendants and other funeral home staff
- May perform same duties as embalmers.

#### Embalmers

- Preserve, sanitize and prepare human remains for funeral services
- Perform cosmetic and restorative work on human remains
- Supervise funeral home attendants and other funeral home staff.

### *Employment requirements*

- Completion of a one- to two-year college program and a twelve- to twenty-month practical apprenticeship program during or following the educational program is usually required for funeral directors.
- Completion of a two- to three-year college program and a twelve- to twenty-month practical apprenticeship program during or following the educational program  
or  
Completion of a three-year college program is required for embalmers.
- Funeral directors require licensure in most provinces and territories.
- Funeral directors may be required to be licensed embalmers depending on provincial requirements.
- Embalmers require licensure in all provinces.

## **62202 Jewellers, jewellery and watch repairers and related occupations**

Jewellers and workers in related occupations fabricate, assemble, repair and appraise fine jewellery. Watch repairers and related workers repair, clean, adjust and fabricate parts for clocks and watches. They are employed by jewellery, clock and watch manufacturers and retail stores, by jewellery and watch repair shops or they may be self-employed.



*Illustrative example(s)*

- clock repairer
- diamond cutter
- gem cutter
- pearl cutter
- precious stone setter
- watch repairer

*Inclusion(s)*

- clockmaker
- gemologist

*Exclusion(s)*

- Clock and watch assembler (See 94219-Other products assemblers, finishers and inspectors)
- Goldsmith AND silversmith (See 53124-Artisans and craftspersons)
- Jewellery assembler (See 94219-Other products assemblers, finishers and inspectors)

*Main duties*

This group performs some or all of the following duties:

*Jewellers and related workers*

- Fabricate and repair precious and semi-precious metal jewellery, such as rings, brooches, pendants, bracelets and lockets
- Examine, cut, shape and polish diamonds using optical instruments, lathes and laps
- Examine, cut, shape and polish precious and synthetic gems using optical instruments, cutting disks and laps
- Appraise gemstones and diamonds to differentiate between stones, identify rare specimens and to detect peculiarity affecting stone values
- Set precious and semi-precious stones in jewellery mountings, according to specifications
- May supervise other jewellers.

Jewellers may specialize in certain kinds of jewellery, such as gold or silver, or in particular operations, such as fabrication or repair.

*Watch repairers*

- Fabricate or fit parts to make watches and clocks
- Examine clocks and watches, disassemble and check for defective and misaligned parts or rust
- Replace or repair worn or broken parts
- Test, adjust and regulate timepiece movements
- Clean all parts using special cleaning and rinsing solutions and ultrasonic or mechanical cleaning machines to remove dirt and dried lubricants
- May supervise other watch repairers.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a college or other program, or apprenticeship training in watch or jewellery repair or gemology is usually required.
- Experience as a jewellery, clock or watch assembler may be required.

### *Additional information*

- Mobility is possible among the various jewellery occupations in this unit group.
- There is little mobility between the jewellery occupations and the watch repairers in this unit group.

## **63 Occupations in sales and services**

This major group comprises occupations in sales and services. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

### **631 Occupations in sales**

This sub-major group comprises occupations in sales, including insurance agents and brokers; real estate agents and salespersons; and financial sales representatives.

#### **6310 Insurance, real estate and financial sales occupations**

This minor group comprises occupations in sales, including insurance agents and brokers; real estate agents and salespersons; and financial sales representatives. They are employed by insurance companies, brokerages, banks, credit unions, trust companies and similar financial institutions; in the real estate industry; or they may be self-employed.

#### **63100 Insurance agents and brokers**

Insurance agents and brokers sell life, automobile, property, health and other types of insurance to individuals, businesses and public institutions. Insurance agents are employed by individual insurance companies or are independent representatives of specific insurance companies. Insurance brokers are employed by brokerage firms, or may work in partnerships or hold sole proprietorship. Supervisors of insurance agents are included in this unit group.

#### *Illustrative example(s)*

- insurance agent
- insurance broker
- insurance sales representative
- insurance sales supervisor

#### *Exclusion(s)*

- Insurance manager (See 10020-Insurance, real estate and financial brokerage managers)
- Insurance underwriters (12202)
- Supervisors, finance and insurance office workers (12011)

*Main duties*

This group performs some or all of the following duties:

- Sell automobile, fire, health, life, property, marine, aircraft and other types of insurance to clients
- Establish client insurance coverage, calculate premiums and establish method of payment
- Provide information concerning group and individual insurance packages, the range of risk coverage, benefits paid and other policy features
- Ensure appropriate forms, medical examinations and other policy requirements are completed
- Monitor insurance claims and respond to clients' enquiries
- Identify and solicit potential clientele.

*Employment requirements*

- Completion of secondary school is usually required.
- On-the-job training and insurance industry courses and training programs are provided and are required for employment.
- Licensure by the insurance governing body in the province or territory of employment is required.

*Additional information*

- Progression to insurance management positions is possible through experience.
- Completion of educational programs through the Insurance Institute of Canada entitles agents to professional recognition as a Chartered Insurance Professional (CIP) or a Fellow Chartered Insurance Professional (FCIP).
- Completion of educational courses through the Financial Advisors Association of Canada (Advocis) allows for various levels of professional designations for insurance and financial advisors.

**63101 Real estate agents and salespersons**

Real estate agents and salespersons act as agents for the sale or purchase of houses, apartments, commercial buildings, land and other real estate. They are employed in the real estate industry.

*Illustrative example(s)*

- commercial real estate agent
- real estate agent
- real estate agent supervisor
- real estate sales representative
- residential real estate agent

*Exclusion(s)*

- Assessors, business valuers and appraisers (12203)
- Insurance, real estate and financial brokerage managers (10020)
- Mortgage broker (See 11109-Other financial officers)
- Rentals agent (See 13101-Property administrators)
- Right-of-way agent (See 12102-Procurement and purchasing agents and officers)

### *Main duties*

This group performs some or all of the following duties:

- Solicit property sales listings from prospective vendors
- Assist vendors in selling property by establishing asking price, advertising the property, listing the property with listing services and conducting open houses for prospective buyers
- Assist prospective buyers in selecting, visiting, inspecting and making offers of purchase on real estate properties
- Advise clients on market conditions, prices, mortgages, legal requirements and related matters
- Draw up sales agreements for approval of purchaser and seller
- May rent or lease properties on behalf of clients.

Real estate agents and salespersons may specialize in residential, commercial, industrial/institutional or rural real estate sales.

### *Employment requirements*

- Completion of secondary school is required.
- Completion of a real estate training course is required.
- Provincial or territorial licensure in the province or territory of employment is required.

### *Additional information*

- Real estate agents and salespersons normally work on a commission basis.
- Real estate agents may operate independently by obtaining a broker's licence in accordance with the regulations of the province of employment. A broker's licence is required to become a manager in real estate.

## **63102 Financial sales representatives**

Financial sales representatives sell basic deposit, investment and loan products and services to individuals and businesses. They work in banks, credit unions, trust companies and similar financial institutions.

### *Illustrative example(s)*

- credit officer
- financial services officer
- financial services representative
- loan officer
- mortgage officer
- sales associate - personal banking

### *Inclusion(s)*

- debt counsellor

### *Exclusion(s)*

- Banking, insurance and other financial clerks (14201)
- Customer services representatives - financial institutions (64400)

- Loan and credit manager - banking or trust company (See 10021-Banking, credit and other investment managers)
- Other financial officers (11109)

### *Main duties*

This group performs some or all of the following duties:

- Open new personal and non-personal accounts, and provide access to automated banking machine, telephone banking and online banking services
- Interview applicants for personal, mortgage, student and business loans
- Promote the sale of deposit, investment, credit and loan products and services
- Assist clients by proposing solutions to address financial objectives such as business expansion, debt management, investment and other financial goals
- Research and evaluate loan applicant's financial status, references, credit and ability to repay the loan
- Complete credit and loan documentation
- Submit credit and loan applications to branch or credit manager with recommendations for approval or rejection; or approve or reject applications within authorized limits ensuring that credit standards of the institution are respected
- Prepare statements on delinquent accounts and forward irreconcilable accounts for collector action
- Review and update credit and loan files
- Act as joint custodian for cash and securities.

### *Employment requirements*

- Completion of secondary school and extensive general banking experience is usually required.
- A bachelor's degree or college diploma related to commerce or economics may be required.
- A mutual funds licence is usually required.
- Registration with the securities regulatory authority in the province or territory of employment is usually required.
- Completion of a loan or credit training program, ranging from six to twelve months, is usually required.
- Various training programs and courses are offered by the Canadian Securities Institute and may be required by employers.
- Financial services officers who sell regulated financial products and investments are required to be licensed by the appropriate governing body.

### *Additional information*

- Progression to higher levels of financial planning and wealth management is possible with experience.
- Progression to credit and loan management positions is possible with experience.

## **632 Occupations in services**

This sub-major group comprises occupations in services, including cooks, butchers and bakers; hairstylists and estheticians; and shoe repairers, shoemakers and upholsterers.

### **6320 Cooks, butchers and bakers**

This minor group comprises cooks, butchers and bakers. They are employed by restaurants, hotels, hospitals and other health care institutions, central food commissaries, clubs, educational institutions and other establishments;

on ships; at construction and logging campsites; and by supermarkets, grocery stores, butcher shops, fish stores, bakeries, catering companies; or they may be self-employed.

## **63200 Cooks**

Cooks prepare and cook a wide variety of foods. They are employed in restaurants, hotels, hospitals and other health care institutions, central food commissaries, educational institutions and other establishments. Cooks are also employed aboard ships and at construction and logging campsites. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice cook
- cook
- dietary cook
- first cook
- grill cook
- hospital cook
- institutional cook
- journeyman/woman cook
- licensed cook
- line cook
- second cook
- short order cook

### *Exclusion(s)*

- Chefs (62200)
- Food counter attendants, kitchen helpers and related support occupations (65201)

### *Main duties*

This group performs some or all of the following duties:

- Prepare and cook complete meals or individual dishes and foods
- Prepare and cook special meals for patients as instructed by dietitian or chef
- Schedule and supervise kitchen helpers
- Oversee kitchen operations
- Maintain inventory and records of food, supplies and equipment
- May set up and oversee buffets
- May clean kitchen and work area
- May plan menus, determine size of food portions, estimate food requirements and costs, and monitor and order supplies
- May hire and train kitchen staff.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program for cooks or Completion of college or other program in cooking or food safety or Several years of commercial cooking experience may be required.
- Trade certification is available, but voluntary, in all provinces and territories.
- Red Seal endorsement is also available to qualified cooks upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- There is mobility among the various types of cooks in this group.
- Progression to supervisory or more senior positions, such as chef, is possible with experience and training.

**63201 Butchers - retail and wholesale**

Butchers prepare standard and specialty cuts of meat, poultry, fish and shellfish for sale in retail or wholesale food establishments. They are employed in supermarkets, grocery stores, butcher shops and fish stores or may be self-employed. Butchers who are supervisors or heads of departments are included in this unit group. Apprentices are also included in this unit group.

*Illustrative example(s)*

- butcher - butcher shop
- butcher apprentice
- head butcher - wholesale
- retail butcher

*Exclusion(s)*

- Fish cutter - fish processing (See 94142-Fish and seafood plant workers)
- Industrial butchers and meat cutters, poultry preparers and related workers (94141)
- Meat cutter - retail or wholesale (See 65202-Meat cutters and fishmongers - retail and wholesale)
- Meat department manager - retail (See 60020-Retail and wholesale trade managers)
- Seafood sales clerk (See 64100-Retail salespersons and visual merchandisers)

*Main duties*

This group performs some or all of the following duties:

- Cut, trim, bone and otherwise prepare custom and/or standard cuts of meat, poultry, fish and shellfish for sale at self-serve counters or according to customers' orders
- Prepare meat for special displays and/or delivery
- Shape, lace and tie roasts and other meats, poultry or fish and may wrap or package fresh or frozen or prepared meats
- Manage inventory, keep records of sales and determine amount, product line and freshness of products according to company and customer requirements

- Adhere to Hazard Analysis and Critical Control Points (HACCP), Canadian Food Inspection Agency (CFIA) and food safety standards
- Ensure food storage conditions are adequate
- May supervise, direct work or train other butchers, meat cutters or fishmongers.

#### *Employment requirements*

- Completion of secondary school may be required.
- Completion of a college or other butchery training program may be required.
- Several years of on-the-job training in food stores is usually required for retail butchers.

#### *Additional information*

- Progression from industrial butcher and industrial meat cutter positions to these higher skilled jobs is possible with experience and specialized on the job training in supermarkets, grocery stores, fish stores, butcher shops.

### **63202 Bakers**

Bakers prepare bread, rolls, muffins, pies, pastries, cakes and cookies in retail and wholesale bakeries and dining establishments. They are employed in bakeries, supermarkets, catering companies, hotels, restaurants, hospitals, and other institutions, or they may be self-employed. Bakers who are supervisors are included in this unit group. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- baker
- baker apprentice
- bakery supervisor
- bread baker
- head baker

#### *Inclusion(s)*

- chocolate maker

#### *Exclusion(s)*

- Bakery machine operator - food and beverage processing (See 94140-Process control and machine operators, food and beverage processing)
- Pastry chef (See 62200-Chefs)

#### *Main duties*

This group performs some or all of the following duties:

- Prepare dough for pies, bread, rolls and sweet goods, batters for muffins, cookies and cakes and icings and frostings according to recipes or special customer orders
- Bake mixed doughs and batters
- Frost and decorate cakes or other baked goods
- Ensure quality of products meets established standards
- Draw up production schedule to determine type and quantity of goods to produce



- Purchase baking supplies
- May oversee sales and merchandising of baked goods
- May hire, train and supervise baking personnel and kitchen staff.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program for bakers  
or  
Completion of a college or other program for bakers  
or  
Several years of commercial baking experience is usually required.
- On-the-job training may be provided.
- Trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified bakers upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.

## **6321 Hairstylists and estheticians**

This minor group comprises hairstylists, barbers, estheticians, electrologists and related occupations. They are employed by hair salons, barber shops, vocational schools and health care establishments; theatre, film and television establishments; or they may be self-employed.

### **63210 Hairstylists and barbers**

Hairstylists and barbers cut and style hair and perform related services. They are employed in hairstyling or hairdressing salons, barber shops, vocational schools, health care establishments and theatre, film and television establishments. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- barber
- barber apprentice
- hair colour technician
- hairdresser
- hairdresser apprentice
- hairstylist
- hairstylist apprentice
- wig stylist

#### *Exclusion(s)*

- Estheticians, electrologists and related occupations (63211)
- Hairdressing teacher - community college (See 41210-College and other vocational instructors)

### *Main duties*

This group performs some or all of the following duties:

#### Hairstylists

- Suggest hairstyle compatible with client's physical features or determine style from client's instructions and preferences
- Cut, trim, taper, curl, wave, perm and style hair
- Apply bleach, tints, dyes or rinses to colour, frost or streak hair
- Analyze hair and scalp condition and provide basic treatment or advice on beauty care treatments for scalp and hair
- Clean and style wigs and hair pieces
- Apply hair extensions
- May shampoo and rinse hair
- May perform receptionist duties and order supplies
- May train or supervise other hairstylists, hairstylist apprentices and helpers.

#### Barbers

- Cut and trim hair according to client's instructions or preferences
- Shave and trim beards and moustaches
- May shampoo hair and provide other hair treatment, such as waving, straightening and tinting and may also provide scalp conditioning massages
- May book appointments and order supplies
- May train and supervise other barbers and barber apprentices.

### *Employment requirements*

#### Hairstylists

- Completion of secondary school education is required.
- Completion of a one- or two-year hairstyling apprenticeship program or completion of a college or other program in hairstyling combined with on-the-job training is usually required.
- Several years of experience may replace formal education and training.
- Employers may require applicants to provide a hairstyling demonstration before being hired.
- Trade certification for hairstylists is compulsory in Nova Scotia, Ontario, Manitoba, Saskatchewan, and Alberta, and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Quebec, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- In New Brunswick, licensing by the Cosmetology Association of New Brunswick is mandatory to use the titles "hairstylist" or "hairstylist".
- Red Seal endorsement is also available to qualified hairstylists upon successful completion of the interprovincial Red Seal examination.

#### Barbers

- Completion of secondary school education is required.
- Completion of a seven-month to one-year apprenticeship or other barber program is usually required.
- On-the-job training may be substituted for formal education.

- Trade certification for barbers is compulsory in Ontario and available, but voluntary, in the Yukon.
- Red Seal endorsement is also available to barbers, as qualified hairstylists, upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.

### **63211 Estheticians, electrologists and related occupations**

Estheticians, electrologists and workers in related occupations provide facial and body treatments designed to enhance an individual's physical appearance. They are employed in beauty salons, electrolysis studios, scalp treatment and hair replacement clinics and other similar establishments and in cosmetic departments of retail establishments such as pharmacies and department stores, or they may be self-employed.

#### *Illustrative example(s)*

- beauty treatment operator
- cosmetician
- electrologist
- electrolysis technician
- esthetician
- hair replacement technician
- manicurist
- pedicurist
- scalp treatment specialist
- tattoo artist

#### *Exclusion(s)*

- Hairstylists and barbers (63210)
- Image, social and other personal consultants (64201)
- Make-up artist - motion pictures, broadcasting and performing arts (See 52119-Other technical and coordinating occupations in motion pictures, broadcasting and the performing arts)

#### *Main duties*

This group performs some or all of the following duties:

##### Estheticians

- Give facial and other body treatments using specialized products and techniques.

##### Cosmeticians

- Advise customers on the use of make-up and other beauty products and apply make-up to customers; may specialize in applying make-up to models or other individuals for special occasions.

##### Electrologists

- Remove unwanted hair permanently from client's face or body using needle only specialized electrical hair removal equipment, laser and other equipment.

#### Manicurists and pedicurists

- Clean, shape and polish fingernails and toenails and provide related treatments.

#### Scalp treatment specialists

- Apply medicated lotions to treat scalp conditions and hair loss.

#### Tattoo artists

- Clean and sterilise tattoo equipment and work areas; consult with and advise clients with respect to size, color, design and placement of body art; use a demographor to permanently pigment the client's skin with chemical dyes; maintain health and safety procedures; and may apply temporary designs to client's skin.

#### Hair replacement technicians (non-medical)

- Prepare and apply custom-made hair pieces to customer's scalp, weave customer's hair to hair pieces and provide scalp treatments.

#### *Employment requirements*

- Completion of high school, college or beauty school programs for cosmeticians, estheticians, electrologists, manicurists and pedicurists is required or On-the-job training is provided.
- Electrologists usually require certification from an electrologist's educational or training institution.
- Membership in a provincial or national electrolysis association may be required.
- Completion of a registered dermal therapy program may be required to provide electrology laser and vascular treatments.
- Estheticians usually require certification from an esthetician's educational or training institution.
- Apprenticeship for electrologists, estheticians and nail technicians is available in Manitoba. Trade certification for these occupations is compulsory in that province.
- A business licence is required for workers in this group who are owners/operators of businesses offering these services.
- Practitioners offering these personal services are required to adhere to infection control procedures.

#### *Additional information*

- There is little or no mobility among the different occupations in this unit group without additional specialized training.

### **6322 Shoe repairers, shoemakers and upholsterers**

This minor group comprises shoe repairers, shoemakers and upholsterers. They are employed by custom shoemaking establishments; shoe and furniture repair shops; and retail stores and outlets; or they may be self-employed.

#### **63220 Shoe repairers and shoemakers**

Shoe repairers repair footwear and shoemakers make specialized and custom shoes and boots. They are employed in shoe repair shops or custom shoemaking establishments, or they may be self-employed.

#### *Illustrative example(s)*

- bootmaker
- custom shoemaker

- orthopedic shoemaker
- shoe repairer
- shoemaker

#### *Exclusion(s)*

- Footwear sewer (See 94132-Industrial sewing machine operators)
- Labourer - shoe manufacturing (See 95109-Other labourers in processing, manufacturing and utilities)
- Shoe parts cutter - footwear manufacturing (See 95105-Labourers in textile processing and cutting)
- Shoe parts sewer (See 94132-Industrial sewing machine operators)
- Shoe sewer (See 94132-Industrial sewing machine operators)

#### *Main duties*

This group performs some or all of the following duties:

##### Shoemakers

- Discuss type of footwear to be made and obtain measurements from customer
- Select patterns and leather or other material and outline and cut patterns
- Select or assemble lasts, fasten insoles to lasts and sew or glue other parts into place
- Trim, dress and otherwise finish boots or shoes
- Estimate custom footwear costs and receive payment from customers
- May supervise other shoemakers and shoe repairers.

##### Shoe repairers

- Repair soles, heels and other parts of footwear using sewing, buffing and other shoe repair machines, materials and equipment
- Repair belts, luggage, purses and similar products
- Estimate footwear repair costs and take payment.

#### *Employment requirements*

- Some secondary school may be required.
- Several months of on-the-job training is provided for shoe repairers.
- Extensive on-the-job training is provided for shoemakers.
- Shoemakers may require experience as shoe repairers.

#### *Additional information*

- Shoe repairers may progress to shoemakers with experience.

## **63221 Upholsterers**

Upholsterers cover furniture, fixtures and similar items with fabric, leather or other upholstery materials. They are employed by furniture, aircraft, motor vehicle and other manufacturing companies, furniture retail outlets and repair shops or they may be self-employed.

#### *Illustrative example(s)*

- automobile upholsterer

- custom upholsterer
- furniture upholsterer
- upholsterer
- upholstery repairer

#### *Exclusion(s)*

- Furniture and fixture assemblers, finishers, refinishers and inspectors (94210)
- Upholsterers supervisor (See 62029-Other services supervisors)
- Upholstery marker and cutter (See 95105-Labourers in textile processing and cutting)

#### *Main duties*

This group performs some or all of the following duties:

- Discuss upholstery fabric, colour, and style with customers and provide cost estimate for upholstering furniture or other items
- Lay out, measure and cut upholstery materials according to sketches or design specifications
- Replace worn-out webbing, springs and other furniture parts using hand and power tools
- Operate sewing machines or sew upholstery materials by hand to seam cushions and join sections of covering materials
- Install padding and underlays and fasten covering materials to furniture frames
- Tack, glue or sew ornamental trim, braids or buttons on upholstered items
- Lay out, cut, fabricate and install upholstery in aircrafts, motor vehicles, railway cars, boats and ships
- May repair furniture frames and refinish wood surfaces
- May make upholstery patterns from sketches, customer descriptions or blueprints
- May install, fabricate, maintain and repair interior components of aircraft, such as seats, coverings, drapes, cargo nets, flooring, closets, bins and panels.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of college or other specialized courses or an apprenticeship program in furniture upholstering and repair  
or  
Several years of on-the-job training, including working as an upholsterer helper are usually required.
- Trade certification is available, but voluntary, in Quebec.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

## **64 Sales and service representatives and other customer and personal services occupations**

This major group comprises sales and service representatives and other customer and personal services occupations. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 4. Occupations classified in TEER 4, as those included in this group with a 4 as the second digit of their code, typically require completion of secondary school; or several weeks of on-the-job training with some

secondary school education; or experience in a related occupation from TEER 5, when applicable (TEER 5 includes occupations with a 5 as a second digit in their code).

## **641 Retail salespersons and non-technical wholesale trade sales and account representatives**

This sub-major group comprises retail salespersons and non-technical wholesale trade sales and account representatives.

### **6410 Retail salespersons and non-technical wholesale trade sales and account representatives**

This minor group comprises retail salespersons and non-technical wholesale trade sales and account representatives. They are employed by petroleum companies, food, beverage and tobacco producers, clothing manufacturers, motor vehicles and parts manufacturers, hotels, business services firms, and transportation companies, and other establishments that produce and provide goods and services; also by stores and other retail businesses, as well as wholesale businesses that sell on a retail basis to the public.

#### **64100 Retail salespersons and visual merchandisers**

Retail salespersons sell, rent or lease a range of technical and non-technical goods and services directly to consumers. Visual merchandisers plan, create and implement windows and in-store displays. They are employed by stores and other retail businesses, as well as wholesale businesses that sell on a retail basis to the public.

#### *Illustrative example(s)*

- audio equipment salesperson
- automobile salesperson
- car rental agent
- clothing salesperson
- computer salesperson - retail
- counter clerk - retail
- department store clerk
- display designer
- furniture salesperson
- hardware store clerk
- jewellery salesperson
- retail sales associate
- retail sales clerk
- retail salesperson
- sales consultant - retirement homes
- window display designer

#### *Exclusion(s)*

- Cashiers (65100)
- Sales clerk supervisor (See 62010-Retail sales supervisors)
- Stock clerk - retail (See 65102-Store shelf stockers, clerks and order fillers)

### *Main duties*

This group performs some or all of the following duties:

#### Retail salespersons

- Greet customers and discuss type, quality and quantity of merchandise or services sought for purchase, rental or lease
- Advise customers on use and care of merchandise, and provide advice concerning specialized products or services
- Estimate or quote prices, credit terms, trade-in allowances, warranties and delivery dates
- Prepare merchandise for purchase, rental or lease
- Prepare sales, rental or leasing contracts and accept cash, cheque, credit card or automatic debit payment
- Assist in display of merchandise
- Maintain sales records for inventory control
- Operate computerized inventory record keeping and re-ordering systems
- May conduct sales transactions through Internet-based electronic commerce.

#### Visual merchandisers

- Design and implement window and interior displays
- Assemble visual retail displays to promote products, promotional events and seasonal change overs
- Ensure visual displays comply with brand guidelines and standards, including organization's culture, image and target markets
- Set up lighting systems to create a visual atmosphere.

Retail salespersons may specialize and act as consultants in home entertainment systems, computers and other products and services.

### *Employment requirements*

- Completion of secondary school may be required.
- A university degree or college diploma may be required by some employers.
- Specific subject matter courses or training may be required.
- Demonstrated sales ability and product knowledge are usually required for retail salespersons who sell complex or valuable merchandise, such as automobiles, antiques or computers.
- Previous visual merchandising experience may be required.

### *Additional information*

- Technical or sales training programs may be provided by employers.
- Progression to retail supervisory positions is possible with additional training or experience.

## **64101 Sales and account representatives - wholesale trade (non-technical)**

Sales representatives in wholesale trade (non-technical), sell non-technical goods and services to retail, wholesale, commercial, industrial, professional and other clients domestically and internationally. They are employed by establishments that produce or provide goods and services such as petroleum companies, food, beverage and tobacco producers, clothing manufacturers, motor vehicles and parts manufacturers, hotels, business services firms, and transportation companies. Auctioneers are included in this unit group. Sales representatives in wholesale trade who are supervisors are also included in this unit group.



*Illustrative example(s)*

- advertising time sales representative
- food products sales representative
- freight sales agent
- graphic design sales representative
- hotel accommodations sales executive
- liquor sales representative
- magazine sales representative
- oil distributor
- security services sales consultant
- transfer company agent
- wholesale trade representatives supervisor

*Exclusion(s)*

- Advertising, marketing and public relations managers (10022)
- Retail salespersons and visual merchandisers (64100)
- Royalties manager - arts (See 50011-Managers - publishing, motion pictures, broadcasting and performing arts)
- Technical sales specialists - wholesale trade (62100)

*Main duties*

This group performs some or all of the following duties:

- Promote sales to existing clients
- Identify and solicit potential clients
- Provide clients with presentations on the benefits and uses of goods or services
- Estimate or quote prices, credit or contract terms, warranties and delivery dates
- Prepare or oversee preparation of sales or other contracts
- Consult with clients after sale or signed contracts to resolve problems and to provide ongoing support
- Review and adapt to information regarding product innovations, competitors and market conditions
- Represent companies that export and import products or services to and from foreign countries
- May conduct sales transactions through Internet-based electronic commerce
- May supervise the activities of other sales representatives.

*Employment requirements*

- Completion of secondary school is required.
- A university degree or completion of a college or other program may be required.
- Experience in sales or in an occupation related to the product or service is usually required.
- Fluency in a foreign language and/or foreign country work or travel experience may be required for sales representatives seeking employment with companies that import or export goods or services.
- Supervisors and senior sales representatives require experience.
- Voluntary certification is available from the Canadian Professional Sales Association.

*Additional information*

- Progression to sales management positions is possible with additional training or experience.

**642 Occupations in personal service**

This sub-major group comprises occupations in personal service, including tailors, dressmakers, furriers and milliners, and image, social and other personal consultants.

**6420 Occupations in personal service**

This minor group comprises occupations in personal service, including tailors, dressmakers, furriers and milliners, and image, social and other personal consultants. They are employed by dry cleaners and clothing alteration establishments; specialized image and social consultancy companies; and other specialized companies in personal and customer services; or they may be self-employed.

**64200 Tailors, dressmakers, furriers and milliners**

Tailors, dressmakers and furriers make, alter and repair tailored clothing, dresses, coats and other made-to-measure garments. Milliners make, alter and repair hats. This unit group also includes alterationists who fit, alter and repair garments. They are employed by clothing retailers, clothing alteration shops, dry cleaners and garment manufacturing companies or they may be self-employed.

*Illustrative example(s)*

- alterations dressmaker
- custom furrier
- custom tailor
- furrier
- garment alterationist
- milliner
- seamstress
- tailor

*Exclusion(s)*

- Couturier - haute couture (See 53123-Theatre, fashion, exhibit and other creative designers)

*Main duties*

This group performs some or all of the following duties:

Tailors, dressmakers and alterationists

- Make made-to-measure garments, such as dresses, suits and coats according to customers' and clothing manufacturers' specifications and fit
- Design, select and/or modify commercial patterns to customers' and clothing manufacturers' specifications
- Fit, mark, cut and sew fabric
- Fit, alter and repair garments according to customers' requests by hand or using sewing machines.

Furriers

- Make, alter, restyle and repair natural fur garments and accessories.

## Milliners

- Design, lay out, cut, sew and press fabric, leather and other materials into hats and related accessories.

### *Employment requirements*

- Completion of secondary school may be required.
- Tailors and dressmakers require demonstrated ability to sew, style and fit men's or women's garments and may require completion of college or other courses in tailoring or dressmaking.
- Furriers require several years of experience in selecting pelts and making, fitting, styling and altering fur garments and accessories.
- Milliners require demonstrated ability to sew, style and fit hats and caps.
- Alterationists require demonstrated ability to sew, alter and repair garments.

## **64201 Image, social and other personal consultants**

Image, social and other personal consultants advise clients on their personal appearance, speaking style, manners or other behaviours in order to improve personal or business images. They are employed by beauty salons, fashion boutiques, modelling schools, image consulting companies, weight loss centres or they may be self-employed.

### *Illustrative example(s)*

- etiquette consultant
- fashion and wardrobe consultant
- fashion colour consultant
- image consultant
- make-up consultant
- public speaking consultant
- wardrobe consultant
- wedding consultant
- weight loss consultant

### *Exclusion(s)*

- Cosmetician (See 63211-Estheticians, electrologists and related occupations)
- Hairstylists and barbers (63210)
- Manicurist (See 63211-Estheticians, electrologists and related occupations)
- Other instructors (43109)
- Other support occupations in personal services (65229)

### *Main duties*

This group performs some or all of the following duties:

#### Image consultants

- Advise clients on hair colour, hairstyles, make-up, clothing and accessories; may advise on posture, general appearance and manners, and provide courses and seminars on business and social etiquette
- Advise clients on type, colour and application of make-up
- Advise clients on choice of colours for clothing that will complement their appearance.

#### Wedding consultants

- Advise clients on the selection of wedding gowns, floral arrangements, banquet facilities, wedding invitations and other items related to weddings.

#### Weight loss consultants

- Administer commercial weight-loss programs, advise clients on diet and exercise and provide related support services.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Specialized training courses are available for colour consultants, make-up and skin care consultants, weight loss consultants and most other occupations in this unit group.
- Experience and expertise in fashion, art, modelling or related fields is usually required.

### **643 Occupations in food, accommodation and tourism**

This sub-major group comprises occupations in food and beverage service; in travel and accommodation; and in tourism and amusement services.

#### **6430 Occupations in food and beverage service**

This minor group comprises occupations in food and beverage service, including Maîtres d'hôtel and hosts/hostesses, and bartenders. They are employed by restaurants, hotel dining rooms, private clubs, cocktail lounges, bars, taverns, banquet halls and similar establishments.

#### **64300 Maîtres d'hôtel and hosts/hostesses**

Maîtres d'hôtel and hosts/hostesses greet patrons and escort them to tables, and supervise and coordinate the activities of food and beverage servers. They are employed in restaurants, hotel dining rooms, private clubs, cocktail lounges and similar establishments.

#### *Illustrative example(s)*

- chief host/hostess - food services
- dining room host/hostess
- maître d'
- restaurant host/hostess

#### *Exclusion(s)*

- Food and beverage servers (65200)
- Food service supervisors (62020)

#### *Main duties*

This group performs some or all of the following duties:

- Receive and record patrons' reservations and assign tables
- Greet patrons and escort them to tables or other seating areas
- Speak with patrons to ensure satisfaction with food and service, and attend to complaints
- Order dining room supplies and equipment
- Inspect dining and serving areas and equipment

- Supervise and coordinate activities of food and beverage servers and other serving staff
- Accept payment from patrons for food and beverages
- Maintain financial statements and records
- Prepare work schedules and payrolls
- Interview candidates for food and beverage server positions and train new employees
- May be responsible for marketing and advertising the dining establishment.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Several weeks of on-the-job training are usually required.
- Maîtres d'hôtel require experience as a formal or captain waiter/waitress or other food service experience.

### **64301 Bartenders**

Bartenders mix and serve alcoholic and non-alcoholic beverages. They are employed in restaurants, hotels, bars, taverns, private clubs, banquet halls and other licensed establishments. Supervisors of bartenders are included in this unit group.

#### *Illustrative example(s)*

- bar attendant
- bar steward
- bartender
- head bartender

#### *Exclusion(s)*

- Bar manager (See 60030-Restaurant and food service managers)
- Food and beverage servers (65200)

#### *Main duties*

Bartenders perform some or all of the following duties:

- Take beverage orders from serving staff or directly from patrons
- Mix liquor, soft drinks, water and other ingredients to prepare cocktails and other drinks
- Prepare mixed drinks, wine, draft or bottled beer and non-alcoholic beverages for food and beverage servers or serve directly to patrons
- Collect payment for beverages and record sales
- Maintain inventory and control of bar stock and order supplies
- Clean bar area and wash glassware
- Ensure compliance with provincial/territorial liquor legislation and regulations
- May train and supervise other bartenders and bar staff
- May hire and dismiss staff.

### *Employment requirements*

- Completion of secondary school may be required.
- Completion of college or other program in bartending or  
Completion of courses in mixing drinks is usually required.
- Responsible beverage service certification may be required.

### *Additional information*

- Progression to managerial positions in food and beverage service is possible with experience.

## **6431 Occupations in travel and accommodation**

This minor group comprises occupations in travel and accommodation, including travel counsellors; pursers and flight attendants; airline ticket and service agents; ground and water transport ticket agents, cargo service representatives, and related clerks; and hotel front desk clerks. They are employed by travel agencies, transportation and tourism firms, travel wholesalers, bus, railway, airline, tour boat and cruise ship companies, public transit establishments, hotels, motels, resorts and freight forwarding and shipping companies.

### **64310 Travel counsellors**

Travel counsellors advise clients on travel options and tour packages, make bookings and reservations, prepare tickets and receive payment. They are employed in travel agencies, transportation and tourism firms and hotel chains.

#### *Illustrative example(s)*

- reservation agent - travel agency
- travel agent
- travel consultant

#### *Exclusion(s)*

- Airline ticket agent (See 64312-Airline ticket and service agents)
- Convention coordinator (See 12103-Conference and event planners)
- Travel agency manager (See 60020-Retail and wholesale trade managers)

#### *Main duties*

This group performs some or all of the following duties:

- Provide travel information to clients regarding destinations, transportation and accommodation options and travel costs, and recommend suitable products
- Plan and organize vacation travel for individuals or groups
- Make transportation and accommodation reservations using computerized reservation and ticketing system
- Sell single fare tickets and package tours to clients
- Promote particular destinations, tour packages and other travel services
- Investigate new travel destinations, hotels and other facilities and attractions
- Provide travel tips regarding tourist attractions, foreign currency, customs, languages and travel safety.

*Employment requirements*

- Completion of secondary school is usually required.
- A college diploma or vocational training in travel or tourism is usually required.
- Certification with the Association of Canadian Travel Agencies (ACTA) may be required.

*Additional information*

- Progression to managerial positions is possible with experience.

**64311 Purser and flight attendants**

Pursers and flight attendants ensure the safety and comfort of passengers and crew members during flights. Ship pursers attend to the safety and comfort of passengers aboard ships. Airline pursers and flight attendants are employed by airline companies. Ship pursers are employed by tour boat or cruise ship companies.

*Illustrative example(s)*

- airline purser
- flight attendant
- flight service director
- passenger service director - water transportation
- ship purser

*Exclusion(s)*

- Food and beverage servers (65200)
- Support occupations in accommodation, travel and facilities set-up services (65210)

*Main duties*

This group performs some or all of the following duties:

## Flight attendants

- Greet passengers, explain and demonstrate safety procedures, check the general condition of the aircraft cabin, ensure that all necessary supplies are on board
- Attend to safety of passengers during take-offs, landings and emergencies
- Serve food and beverages to passengers and make flight announcements.

## Flight pursers, customer service directors and passenger service directors

- Coordinate the activities of flight attendants, provide service to passengers during flight and complete reports.

## Ship pursers

- Supervise ship attendants and arrange activities for passengers
- Conduct ship's business, such as signing on crew, maintaining payroll records, assisting passengers in preparing customs declarations and supervising baggage storage.

### *Employment requirements*

- Flight attendants and flight pursers require the completion of secondary school and a training program approved by Transport Canada.
- Flight pursers/customer service directors require experience as a flight attendant.
- Ship pursers may require experience as a ship attendant.
- Flight attendants and ship pursers usually require experience working with the public.

### *Additional information*

- There is little mobility between airline pursers and ship pursers.
- It is an advantage for pursers and flight attendants to speak more than one language.

## **64312 Airline ticket and service agents**

Airline ticket and service agents issue tickets, provide fare quotations, make reservations, conduct passenger check-in, trace missing baggage, arrange for cargo shipments and perform other related customer service duties to assist airline passengers. They are employed by airline companies.

### *Illustrative example(s)*

- airline baggage agent
- airline cargo agent
- airline load planner
- airline passenger agent
- airline reservation agent
- airline ticket agent
- baggage tracer - airline
- client service representative - airline
- counter services agent - airline
- customer service agent - airline
- station agent - airline

### *Exclusion(s)*

- Airline sales and service agents supervisor (See 62022-Accommodation, travel, tourism and related services supervisors)
- Baggage handler (See 65210-Support occupations in accommodation, travel and facilities set-up services)
- Ground and water transport ticket agents, cargo service representatives and related clerks (64313)
- Travel counsellors (64310)

### *Main duties*

This group performs some or all of the following duties:

Airline passenger, baggage and ticket agents

- Help customers plan travel time and routes, prepare and issue tickets, assign seats, prepare boarding passes, check baggage, attend boarding gates
- Assist pre-boarding passengers and provide information on fares and flight schedules and routes
- Trace lost, delayed or misdirected baggage for customers.



### Airline cargo and freight agents

- Weigh cargo and compute freight costs, calculate charges for services and insurance, process bills of lading, cargo manifests and other documents
- Trace lost or misdirected cargo and maintain shipping and other records
- Complete pre-flight documents regarding passenger and cargo load, catering count, special requests and other flight information
- Relay operational messages to operations control and downline stations
- Calculate load weights for compartments of aircraft using charts and computers
- Plan load to distribute and balance cargo.

### Airline reservation agents

- Reserve seats for tour companies, travel agencies, wholesalers and the general public using computerized systems
- Provide information on airline passengers and process mileage points.

### *Employment requirements*

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided for all occupations in this unit group.
- Airline station agents usually require experience as a ticket, baggage or cargo agent.
- Load planners require a restricted radio operator's licence and usually require airline operations experience.

### *Additional information*

- Depending on the size of the airline or airport, the duties of workers in this unit group may overlap.
- Progression to supervisory positions is possible with experience.

## **64313 Ground and water transport ticket agents, cargo service representatives and related clerks**

Ground and water transport ticket agents, cargo service representatives and related clerks, quote fares and rates, make reservations, issue tickets, process cargo shipments, check baggage and perform other related customer service duties to assist travellers. They are employed by bus and railway companies, freight forwarding and shipping companies, boat cruise operators and other public transit establishments and by travel wholesalers.

### *Illustrative example(s)*

- bus ticket agent
- cargo customer service representative - railway
- counter service agent - railway
- railway passenger agent
- railway reservations clerk
- reservations clerk - cruise line
- ticket agent (except airline)

### *Exclusion(s)*

- Accommodation, travel, tourism and related services supervisors (62022)
- Airline ticket and service agents (64312)
- Travel counsellors (64310)

### *Main duties*

This group performs some or all of the following duties:

#### Ticket agents

- Answer customer inquiries, quote fares and assist clients in planning travel times and routes
- Reserve seats for tour companies, travel agencies, wholesalers and the general public
- Issue tickets, handle cash transactions and check baggage
- Receive and record bookings for package tours from retail travel agencies and supply information regarding available vacancies when working for wholesale travel companies.

#### Cargo service representatives

- Quote fare and rates for cargo shipment
- Compute shipment costs including charges for services and insurance using rate tables and schedules and prepare and maintain shipping and other documents
- Check in passenger baggage and sort for loading by baggage handlers or may load baggage directly into buses, railway cars or cruise ships
- Trace lost or misdirected passenger baggage or cargo shipment.

### *Employment requirements*

- Completion of secondary school is usually required.
- Up to 10 weeks of training may be provided.

### *Additional information*

- Ticket agents and cargo service representatives may perform the same duties depending on the size and location of the operations.
- Progression to supervisory positions is possible through experience.

## **64314 Hotel front desk clerks**

Hotel front desk clerks make room reservations, provide information and services to guests and receive payment for services. They are employed by hotels, motels and resorts.

### *Illustrative example(s)*

- guest services agent - hotel
- hotel front desk clerk
- night clerk
- reservations clerk - hotel
- room clerk

*Exclusion(s)*

- Hotel clerk supervisor (See 62022-Accommodation, travel, tourism and related services supervisors)
- Travel counsellors (64310)

*Main duties*

This group performs some or all of the following duties:

- Maintain an inventory of vacancies, reservations and room assignments
- Register arriving guests and assign rooms
- Answer enquiries regarding hotel services and registration by letter, by telephone and in person, provide information about services available in the community and respond to guests' complaints
- Compile and check daily record sheets, guest accounts, receipts and vouchers using computerized or manual systems
- Present statements of charges to departing guests and receive payment.

*Employment requirements*

- Completion of secondary school or equivalent is usually required.
- Completion of a two-year apprenticeship program, or a college program in front desk operations or hotel management may be required.
- Guest services representative trade certification is available, but voluntary, in Saskatchewan.

*Additional information*

- Progression to senior positions such as accommodations manager is possible with additional training and experience.

**6432 Tourism and amusement services occupations**

This minor group comprises tourism and amusement services occupations, including tour and travel guides; casino workers; and outdoor sport and recreational guides. They are employed by tour operators, resorts and other establishments, casinos and private companies; or they may be self-employed.

**64320 Tour and travel guides**

Tour and travel guides escort individuals and groups on trips, on sightseeing tours of cities and on tours of historical sites and establishments such as famous buildings, manufacturing plants, cathedrals and theme parks. They also provide descriptions and background information on interesting features. They are employed by tour operators, resorts and other establishments or may be self-employed.

*Illustrative example(s)*

- adventure travel site interpreter
- bicycle tour guide
- calèche driver
- factory tour guide
- industrial site interpreter
- tour guide
- travel guide

### *Exclusion(s)*

- Historical interpreter (See 53100-Registrars, restorers, interpreters and other occupations related to museum and art galleries)
- Museum interpreter (See 53100-Registrars, restorers, interpreters and other occupations related to museum and art galleries)
- Outdoor sport and recreational guides (64322)
- Tour operator (See 60040-Managers in customer and personal services)

### *Main duties*

This group performs some or all of the following duties:

#### Tour guides

- Transport or escort individuals or groups on tours of cities, waterways and industrial and other establishments
- Describe points of interest, answer questions and supply information
- Provide historical and cultural facts related to the site
- May collect admission fees and sell souvenirs.

#### Travel guides

- Escort individuals and groups on vacation and business trips
- Ensure that reservations for transportation and accommodations are confirmed and that prepared itineraries are met
- Visit and describe points of interest and plan and carry out recreational activities
- Resolve problems with itineraries, service and accommodations.

### *Employment requirements*

- On-the-job training is provided.
- Knowledge of both official languages or an additional language may be required for some positions in this group.

## **64321 Casino workers**

Casino workers operate gaming tables, assist patrons using slot machines, accept keno wagers, pay out winning bets and jackpots and collect losing bets. They are employed by casinos.

### *Illustrative example(s)*

- croupier
- keno runner - casino
- keno writer

### *Inclusion(s)*

- guest service representative - casino

### *Exclusion(s)*

- Casino dealer supervisor (See 62022-Accommodation, travel, tourism and related services supervisors)
- Operators and attendants in amusement, recreation and sport (65211)

*Main duties*

This group performs some or all of the following duties:

- Operate gaming tables and games such as roulette, blackjack, keno, baccarat and poker
- Monitor and assist patrons using slot machines
- Explain rules of games to patrons and ensure that rules are followed
- Accept keno wagers and issue computerized tickets for selection
- Determine winners or announce winning numbers
- Calculate and pay out winning bets and jackpots, collect losing bets and maintain related reports
- Replenish and reset slot machines
- May perform minor adjustments or repairs to slot machines.

*Employment requirements*

- Completion of secondary school is usually required.
- On-the-job training is provided for gaming table dealers.
- Security clearance is required for all casino workers.
- Casino gaming licences are usually required for all casino employees.

*Additional information*

- Progression to supervisory positions is possible with experience in all activities related to gaming.

**64322 Outdoor sport and recreational guides**

Outdoor sport and recreational guides organize and conduct trips or expeditions for sports enthusiasts, adventurers, tourists and resort guests. They are employed by private companies and resorts or may be self-employed.

*Illustrative example(s)*

- canoeing guide
- dude wrangler
- fishing guide
- hot air balloonist
- hunting guide
- mountain climbing guide
- outdoor guide
- outfitter
- rafting guide

*Inclusion(s)*

- zipline guide

*Exclusion(s)*

- Program leaders and instructors in recreation, sport and fitness (54100)
- Tour and travel guides (64320)

### *Main duties*

This group performs some or all of the following duties:

- Plan itinerary for trip or expedition and arrange transportation or transport individuals or group to site
- Assemble and inspect necessary equipment and supplies, such as camping gear, hot air balloon, rafts, life jackets, fishing tackle and food
- Lead or escort individuals or groups and advise on safety and emergency measures, techniques and the use of equipment
- Provide instruction for activities such as canoeing, rafting and mountain climbing
- Advise on specific laws and regulations for activities such as hunting, fishing and boating
- Follow environmental guidelines and prevent violations
- Provide first aid in emergency situations
- May prepare meals for group and set up camp.

### *Employment requirements*

- Knowledge of a particular terrain or body of water, demonstrated ability in the guided activity and relevant licences and certifications are required for employment in this group.
- Hot air balloon pilots require completion of 10 hours of ground school, 16 hours of pilot-in-command experience and a Balloon Pilot Licence issued by Transport Canada. Additional hours of pilot-in-command experience may be required by some employers.
- Certification in first aid and CPR (cardiopulmonary resuscitation) may be required.

### *Additional information*

- Outdoor sport and recreational guides usually work on a seasonal basis.

## **644 Occupations in customer, information and protective services**

This sub-major group comprises occupations in customer, information and protective services, including customer and information services representatives, and security guards and related security service occupations.

### **6440 Customer and information services representatives**

This minor group comprises customer and information services representatives, including customer services representatives in financial institutions; postal services representatives; and other customer and information services representatives. They are employed by banks, trust companies, credit unions and similar financial institutions; retail establishments, contact centres, insurance, telephone and utility companies; Canada Post Corporation, courier and parcel express companies and establishments; and other establishments throughout the public and private sectors.

#### **64400 Customer services representatives - financial institutions**

Customer services representatives in financial institutions process customers' financial transactions and provide information on related banking products and services. They are employed by banks, trust companies, credit unions and similar financial institutions.

#### *Illustrative example(s)*

- bank teller
- credit union teller

- financial customer service representative
- foreign exchange teller - financial services

#### *Exclusion(s)*

- Banking, insurance and other financial clerks (14201)
- Customer service representatives supervisor - financial services (See 62023-Customer and information services supervisors)
- Financial sales representatives (63102)
- Other customer and information services representatives (64409)
- Supervisors, finance and insurance office workers (12011)

#### *Main duties*

This group performs some or all of the following duties:

- Process customer cash deposits and withdrawals, cheques, transfers, bills and credit card payments, money orders, certified cheques and other related banking transactions
- Obtain and process information required for the provision of services, such as opening accounts and savings plans and purchasing bonds
- Sell travellers' cheques, foreign currency and money orders
- Answer enquiries and resolve problems or discrepancies concerning customers' accounts
- Inform customers of available banking products and services to address their needs.

#### *Employment requirements*

- Completion of secondary school is required.
- A college diploma in business administration may be required.
- On-the-job training is provided.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

### **64401 Postal services representatives**

Postal services representatives serve customers and record transactions at sales counters and postal wickets. They maintain inventory and order supplies in post offices and internal mail rooms. They are employed by Canada Post Corporation, courier and parcel express companies and establishments throughout the public and private sectors.

#### *Illustrative example(s)*

- bus parcel express clerk
- express mail service clerk
- mail clerk
- mail room clerk
- postal counter clerk
- postal wicket clerk

### *Exclusion(s)*

- Couriers and messengers (74102)
- Letter carriers (74101)
- Mail and parcel sorters and related occupations (74100)
- Supervisors, mail and message distribution occupations (72025)

### *Main duties*

This group performs some or all of the following duties:

- Calculate and affix the correct postage on letters, parcels and registered mail and receive payment from customers
- Sell stamps, prepaid mail and courier envelopes and money orders
- Route mail to the proper delivery stream
- Sign or obtain signatures from recipients for registered or special delivery mail and keep records
- Answer inquiries and complete forms regarding change of address, theft or loss of mail
- Record and balance daily transactions.

### *Employment requirements*

- Completion of secondary school and some college office administration courses may be required.
- On-the-job training is required.
- Physical fitness may be required for some occupations in this unit group.

### *Additional information*

- Progression to supervisory or facility management positions is possible with additional training or experience.

## **64409 Other customer and information services representatives**

Other customer and information services representatives answer enquiries, provide information regarding an establishment's goods, services and policies and provide customer services such as receiving payments and processing requests for services. They are employed by retail establishments, contact centres, insurance, telecommunications and utility companies and other establishments throughout the public and private sectors.

### *Illustrative example(s)*

- accounts information clerk
- bus information clerk
- complaints clerk - customer service
- contact centre agent - customer service
- courtesy desk clerk
- customer service representative - call centre
- enquiries clerk
- information clerk - customer service
- lost-and-found clerk
- order desk agent



- public relations clerk
- tourist information clerk

#### *Exclusion(s)*

- Airline ticket and service agents (64312)
- Customer and information services supervisors (62023)
- Customer services representatives - financial institutions (64400)
- Receptionists (14101)
- Retail salespersons and visual merchandisers (64100)
- Ticket and information clerk (except airline) (See 64313-Ground and water transport ticket agents, cargo service representatives and related clerks)

#### *Main duties*

This group performs some or all of the following duties:

Customer services representatives in retail establishments

- Answer, in person or on the phone, enquiries from customers
- Investigate complaints regarding the establishment's goods, services and policies
- Arrange for refunds, exchange and credit for returned merchandise
- Receive account payments
- Receive credit and employment applications.

Contact centre agents

- Take customer orders for goods or services
- Promote goods or services
- Respond to enquiries and emergencies
- Investigate complaints and update accounts.

Customer service representatives in insurance, telecommunication, utility and similar companies

- Explain the type and cost of services offered
- Order services
- Provide information about claims or accounts
- Update accounts, initiate billing and process claim payments, and receive payment for services.

Information services representatives

- Provide information to customers and the public concerning goods, services, schedules, rates, regulations and policies in response to telephone and in-person enquiries.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of some college or other post-secondary programs may be required.
- Clerical or sales experience may be required.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

## **6441 Security guards and related security service occupations**

This minor group comprises security guards and related security service occupations, including security guards, armoured car guards, corporate security officers, private investigators, retail loss prevention officers and workers in other related security service occupations. They are employed by public and private security agencies; residential complexes; educational, cultural, financial and health institutions; retail establishments; investigation service companies; transportation facilities; and organizations throughout the public and private sectors; or they may be self-employed.

### **64410 Security guards and related security service occupations**

Security guards and workers in related security service occupations guard and implement security measures to protect property against theft, vandalism and fire; to control access to establishments; to maintain order and enforce regulations at public events and within establishments; to perform screening of passengers, luggage or cargo; to conduct private investigations for clients or employers and to provide other protective services not elsewhere classified. They are employed by public or private security agencies, residential complexes, educational, cultural, financial and health institutions, retail establishments, investigation service companies, transportation facilities, and organizations throughout the public and private sectors, or they may be self-employed.

#### *Illustrative example(s)*

- alarm investigator
- armoured car guard
- bodyguard (except police)
- commissionaire
- corporate security officer
- house detective
- night guard
- postal inspection officer
- private investigator
- private security officer
- screening officer
- security guard
- store detective
- theft prevention officer

#### *Exclusion(s)*

- Correctional service officers (43201)
- Police investigators and other investigative occupations (41310)
- investigation and security service manager (See 10029-Other business services managers)
- Security guard supervisor (See 62029-Other services supervisors)
- Security service manager (See 10029-Other business services managers)

*Main duties*

This group performs some or all of the following duties:

*Security guards*

- Control access to establishments, operate security control-room equipment and patrol assigned areas to guard against theft, vandalism and fire
- Enforce regulations to maintain order and resolve conflicts and to monitor establishment activities
- Ensure safety and emergency procedures are followed
- Issue passes and direct visitors to appropriate areas and check age identification of patrons.

*Screening officers*

- Inspect and screen luggage or cargo using equipment or hands
- Perform searches of passengers with tools or by hand
- Monitor and screen passengers through screening checkpoints and other procedures.

*Armoured car guards*

- Drive and guard armoured trucks, pick-up and deliver cash and valuables to banks, automated teller machines and retail establishments.

*Corporate security officers*

- Investigate unlawful acts of employees or patrons of establishments
- Recommend security systems such as electronic detection devices and access devices.

*Private investigators*

- Conduct investigations to locate missing persons
- Obtain information for use in civil and criminal litigation matters or for other purposes
- May also conduct polygraph tests (integrity surveys) for clients.

*Retail loss prevention officers*

- Prevent and detect shoplifting and theft in retail establishments.

*Employment requirements*

- Completion of secondary school is usually required.
- A college diploma in law and security or police technology may be required.
- Canadian Air Transport Security Authority (CATSA) certification is required for screening officers.
- Security guards carrying firearms require a licence.
- Armoured car drivers require a valid Possession and Acquisition Licence (PAL) for both restricted and non-restricted firearms.
- In Quebec, a permit issued by the Bureau de la sécurité privée (BSP) is required to work as a private detective or security officer.
- Corporate security officers may require experience as a police officer.
- Private investigators require provincial licensure.
- Certification for responsible beverage service is mandatory for security staff in establishments serving alcoholic beverages in Alberta, Saskatchewan, Manitoba, Ontario and Prince Edward Island.

## 65 Sales and service support occupations

This major group comprises sales and service support occupations. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 5. Occupations classified in TEER 5, as those included in this group with a 5 as the second digit of their code, are typically accessible with short work demonstration and no formal educational requirements.

### 651 Sales support occupations

This sub-major group comprises cashiers and other sales support occupations.

#### 6510 Cashiers and other sales support occupations

This minor group comprises cashiers; service station attendants; store shelf stockers, clerks and order fillers; and other sales related occupations. They are employed in stores, restaurants, theatres, recreational and sports establishments, currency exchange booths, government offices, business offices and other service, retail and wholesale establishments; and by automotive service stations, marinas, manufacturers, telemarketing companies and call centres and warehouses; or they may be self-employed.

##### 65100 Cashiers

Cashiers operate cash registers, optical price scanners, computers or other equipment to record and accept payment for the purchase of goods, services and admissions. They are employed in stores, restaurants, theatres, recreational and sports establishments, currency exchange booths, government offices, business offices and other service, retail and wholesale establishments.

##### *Illustrative example(s)*

- box office cashier
- cafeteria cashier
- grocery store cashier
- movie theatre cashier
- office cashier
- racetrack cashier
- self-serve gas bar cashier

##### *Exclusion(s)*

- Customer services representatives - financial institutions (64400)
- Head cashier (See 62010-Retail sales supervisors)
- Retail salespersons and visual merchandisers (64100)
- Service station attendants (65101)

##### *Main duties*

This group performs some or all of the following duties:

- Greet customers
- Establish or identify price of goods, services or admission and tabulate total payment required using electronic or other cash register, optical price scanner or other equipment
- Weigh produce and bulk foods
- Receive and process payments by cash, cheque, credit card or automatic debit
- Wrap or place merchandise in bags

- Provide information to customers
- Assist sports spectators and theatre patrons with seat selection
- Calculate foreign currency exchange
- Calculate total payments received at end of work shift and reconcile with total sales
- Verify the age of customers when selling lottery tickets, alcohol or tobacco products
- May accept reservations and take-out orders
- May also stock shelves and clean check-out counter area.

#### *Employment requirements*

- Some secondary school education is usually required. A high school diploma may be required by some employers.
- A casino gaming licence may be required for cashiers working in gambling casinos.

#### *Additional information*

- Cashiers may progress to supervisory positions, such as head cashier, with additional training or experience.

### **65101 Service station attendants**

Service station attendants employed in automotive service stations sell fuel and other automotive products and perform such services as fuelling, cleaning, lubricating and performing minor repairs to motor vehicles. Those employed in marinas sell fuel, rent boats and related equipment, and maintain marina facilities.

#### *Illustrative example(s)*

- gas station attendant (except self-serve)
- marina attendant
- service station attendant

#### *Exclusion(s)*

- Automotive service technician (See 72410-Automotive service technicians, truck and bus mechanics and mechanical repairers)
- Retail sales supervisors (62010)
- Self-serve gas bar cashier (See 65100-Cashiers)
- Service station manager (See 60020-Retail and wholesale trade managers)

#### *Main duties*

This group performs some or all of the following duties:

##### Automotive service station attendants

- Refuel vehicles
- Perform minor service and maintenance such as washing the windshield, checking fluid levels and air pressure, and replacing parts such as tires, light bulbs and windshield-wiper blades
- Receive payment from customers
- Perform minor property maintenance duties such as sweeping service station lot, trimming shrubs, scrubbing service bays and painting curbs
- May pick up and deliver customers' cars for service station automotive repair department.

### Marina service station attendants

- Refuel boats
- Pump boat's marine septic system
- Rent boats, life jackets and other equipment and record rental data
- Receive payment from customers
- Maintain dock area and marina facilities and assist in seasonal moving of ramps and docks.

### *Employment requirements*

- Some secondary school education is usually required.
- Propane and natural gas pump attendants may require an operator's licence.

## **65102 Store shelf stockers, clerks and order fillers**

Store shelf stockers, clerks and order fillers pack customers' purchases, price items, stock shelves with merchandise, and fill online, mail and telephone orders. They are employed in retail establishments, such as grocery, hardware and department stores, and in warehouses.

### *Illustrative example(s)*

- bag clerk
- fulfillment associate
- grocery clerk
- grocery packer
- price clerk - retail
- produce clerk
- shelf stocker - retail
- supermarket clerk

### *Exclusion(s)*

- Cashiers (65100)
- Material handlers (75101)
- Other sales related occupations (65109)
- Retail sales supervisors (62010)
- Retail salespersons and visual merchandisers (64100)

### *Main duties*

This group performs some or all of the following duties:

- Bag, box or parcel purchases for customers at stores or for shipment and delivery to customers
- Carry customers' purchases to parking lot and pack in vehicles
- Unpack products received by store and count, weigh or sort items
- Use barcode scanning equipment to record incoming stock, verify pricing and maintain computerized stock inventory
- Price items using stamp or stickers according to price list
- Attach protective devices to products to protect against shoplifting
- Stock shelves and display areas and keep stock clean and in order

- Label and document orders, and prepare shipping, customs and courier documentation when required
- Obtain articles for customers from shelf or stockroom
- Direct customers to location of articles sought and assist with inquiries
- Enter, track and process customer orders and generate inventory reports
- May operate carts, dollies, forklifts, hand trucks, order pickers and other powered industrial trucks (PIT)
- May sweep aisles, dust display racks and perform other general cleaning duties
- May operate cash register and computer for electronic commerce transactions
- May order stock.

#### *Employment requirements*

- Some secondary school education is usually required.

### **65109 Other sales related occupations**

Workers in other sales related occupations sell goods or services during home demonstrations or by telephone soliciting, retail exhibitions or street vending. They are employed by a wide range of retail and wholesale establishments, manufacturers, telemarketing companies and call centres, or they may be self-employed.

#### *Illustrative example(s)*

- canvasser - retail
- demonstrator - retail
- direct distributor - retail
- door-to-door salesperson
- home demonstrator - retail
- street vendor
- telemarketer
- telephone solicitor

#### *Exclusion(s)*

- Cashiers (65100)
- Kiosk sales clerk (See 64100-Retail salespersons and visual merchandisers)
- Retail and wholesale trade managers (60020)
- Retail sales supervisors (62010)

#### *Main duties*

This group performs some or all of the following duties:

##### Demonstrators and direct distributors

- Contact potential customers by phone or through personal contacts
- Arrange sales demonstration appointments, and show, describe and sell goods or services at wholesale, retail and industrial establishments, at exhibitions, trade shows or directly to individual customers or at sales parties in private homes
- Deliver purchased goods to customers.

#### Door-to-door salespersons and street vendors

- Solicit sales and sell merchandise to residents of private homes
- Set up and display merchandise on sidewalks or at public events to sell to the public.

#### Telephone solicitors and telemarketers

- Contact businesses or private individuals, by telephone, to solicit sales for goods or services.

#### *Employment requirements*

- Some secondary school education is usually required. A high school diploma may be required by some employers.
- Self-employed street vendors and door-to-door salespersons may require a municipal merchant's permit.

#### *Additional information*

- Progression to related supervisory positions is possible with additional training or experience.

## **652 Support occupations in food, accommodation and tourism**

This sub-major group comprises support occupations in food, accommodation and tourism services, and in personal services.

### **6520 Food support occupations**

This minor group comprises food support occupations, including food and beverage servers; food counter attendants, kitchen helpers and related support occupations; and meat cutters and fishmongers in retail and wholesale. They are employed by restaurants, cafes, hotels, fast food outlets, cafeterias, hospitals and other establishments.

#### **65200 Food and beverage servers**

Food and beverage servers take patrons' food and beverage orders and serve orders to patrons. They are employed in restaurants, hotels, bars, taverns, private clubs, banquet halls and similar establishments.

#### *Illustrative example(s)*

- banquet server
- captain waiter/waitress
- chief wine steward
- cocktail waiter/waitress
- food and beverage server
- formal service waiter/waitress
- sommelier
- waiter/waitress
- wine steward

#### *Inclusion(s)*

- banquet captain



*Exclusion(s)*

- Food service supervisors (62020)
- Maitres d'hôtel and hosts/hostesses (64300)
- Restaurant and food service managers (60030)

*Main duties*

This group performs some or all of the following duties:

- Greet patrons, present menus, make recommendations and answer questions regarding food and beverages
- Take orders and relay to kitchen and bar staff
- Recommend wines that complement patrons' meals
- Serve food and beverages
- Prepare and serve specialty foods at patrons' tables
- Present bill to patrons and accept payment
- May order and maintain inventory of wines and wine glassware
- May perform sensory evaluation of wines.

*Employment requirements*

- Completion of secondary school may be required.
- Formal waiters/waitresses may require completion of a one- or two-year apprenticeship program or College or vocational school courses.
- An apprenticeship program for food and beverage servers is available, but voluntary, in Quebec and Saskatchewan.
- On-the-job training is usually provided.
- Sommeliers may require courses in wine selection and service or Experience as a formal waiter/waitress.
- Responsible beverage service certification is usually required for employees serving alcoholic beverages.

**65201 Food counter attendants, kitchen helpers and related support occupations**

Food counter attendants and food preparers prepare, heat and finish cooking simple food items and serve customers at food counters. Kitchen helpers, food service helpers and dishwashers clear tables, clean kitchen areas, wash dishes, and perform various other activities to assist workers who prepare or serve food and beverages. They are employed by restaurants, cafés, hotels, fast food outlets, cafeterias, hospitals and other establishments.

*Illustrative example(s)*

- bartender helper
- bus boy/girl
- cafeteria counter attendant
- cook's helper
- dishwasher
- fast-food preparer

- food counter attendant
- food preparer
- food service helper
- ice cream counter attendant
- kitchen helper
- salad bar attendant
- sandwich maker

*Exclusion(s)*

- Chefs (62200)
- Cooks (63200)
- Food and beverage servers (65200)
- Food service supervisors (62020)

*Main duties*

This group performs some or all of the following duties:

Food counter attendants and food preparers

- Take customers' orders
- Clean, peel, slice and trim foodstuffs using manual and electric appliances
- Use deep fryer, grill, oven, dispensers and other equipment to prepare fast food items such as sandwiches, hamburgers, fries, salads, ice cream dishes, milkshakes and other beverages
- Portion, assemble, and wrap food or place it directly on plates for service to patrons, and package take-out food
- Use equipment to prepare hot beverages such as coffee and tea specialties
- Serve customers at counters or buffet tables
- Stock refrigerators and salad bars and keep records of the quantities of food used
- May receive payment for food items purchased.

Kitchen helpers

- Wash and peel vegetables and fruit
- Wash work tables, cupboards and appliances
- Remove trash and clean kitchen garbage containers
- Unpack and store supplies in refrigerators, cupboards and other storage areas
- Sweep and mop floors, and perform other duties to assist cook and kitchen staff.
- Food service helpers
- Clear and clean tables and trays in eating establishments
- Bring clean dishes, flatware and other items to serving areas and set tables
- Replenish condiments and other supplies at tables and in serving areas
- Remove dishes before and after courses
- Perform other duties such as scraping and stacking dishes, carrying linen to and from laundry area and running errands.

### Dishwashers

- Wash dishes, glassware, flatware, pots and pans using dishwasher or by hand
- Place dishes in storage area
- Scour pots and pans, and may clean and polish silverware.

### *Employment requirements*

- Some secondary school education is usually required.
- On-the-job training is provided.

### *Additional information*

- There is considerable mobility among jobs in this unit group.
- Movement into other occupations within food preparation and service, such as cook or waiter, is possible with further training and experience.

## **65202 Meat cutters and fishmongers - retail and wholesale**

Meat cutters and fishmongers prepare and package pieces of meat, poultry and fish that are sold by food retailers or wholesalers. They use tools to cut, trim and package meat, poultry and fish on a daily basis. They are employed in grocery stores, fish stores, or they may be self-employed.

### *Illustrative example(s)*

- fishmonger
- fishmonger - retail
- meat cutter - retail or wholesale
- supermarket meat cutter

### *Exclusion(s)*

- Butchers - retail and wholesale (63201)
- Fish cutter - fish processing (See 94142-Fish and seafood plant workers)
- Industrial butchers and meat cutters, poultry preparers and related workers (94141)
- Seafood sales clerk (See 64100-Retail salespersons and visual merchandisers)

### *Main duties*

This group performs some or all of the following duties:

- Grind meats and slice cooked meats using powered grinders and slicing machines
- Cut, weigh, package, label and price meat, meat products, fish and seafood for sale
- Suggest complementary and/or alternative meat or fish products to consumers
- Inspect the quality of meat, fish and seafood, expiry dates and ensure proper product rotation
- Ensure the maintenance of equipment, displays and work area
- Receive and store merchandise in accordance with the company's established standards
- Comply with government health and safety standards and occupational health and safety standards.

### *Employment requirements*

- Completion of secondary school may be required.
- On-the-job training in food stores is usually offered to meat cutters and fishmongers for retail sale.
- An apprenticeship program in meat cutting is available but voluntary.
- Trade certification for meat cutter is available, but voluntary, in Saskatchewan and British Columbia.

## **6521 Support occupations in accommodation, travel, tourism and amusement services**

This minor group comprises support occupations in accommodation, travel and facilities set-up services; and operators and attendants in amusement, recreation and sport. They are employed by hotels, conference centres, retail establishments, passenger transport companies and throughout the public and private sectors; as well as by amusement parks, fairs, exhibitions, carnivals, arenas, billiard parlours, bowling alleys, golf courses, ski centres, tennis clubs, campgrounds and other recreational and sports facilities.

### **65210 Support occupations in accommodation, travel and facilities set-up services**

Workers in support occupations in accommodation, travel and facilities set-up services escort guests to their rooms, carry travellers' luggage at airports, in railway stations and aboard ships, clean and maintain public areas and passengers' rooms aboard ships and trains, and set up rooms and associated furnishings, commercial displays, exhibits, equipment and booths in facilities and establishments. They are employed by hotels, conference centres, retail establishments, passenger transport companies and throughout the private and public sectors.

#### *Illustrative example(s)*

- baggage porter
- banquet porter
- bellhop
- cruise line passenger attendant
- facilities porter
- hotel doorkeeper
- hotel guest services attendant
- luggage attendant
- room flipper
- showcase installer
- train service attendant

#### *Exclusion(s)*

- Air transport ramp attendants (74202)
- Hotel front desk clerks (64314)
- Material handlers (75101)
- Motion pictures, broadcasting, photography and performing arts assistants and operators (53111)

#### *Main duties*

This group performs some or all of the following duties:

Guest service attendants and baggage porters

- Carry luggage for hotel guests, escort incoming guests to their rooms

- Check rooms to ensure they are in order
- Offer information regarding features of rooms, services of hotel and points of interest
- Assist guests with special needs
- Attend to group arrivals and departures
- Receive and deliver items and messages for guests
- Handle guest complaints and requests and maintain luggage storage areas
- Convey travellers' luggage at railway stations and airports by hand or hand truck and arrange for ground transportation.

#### Ship and train service attendants

- Set and clear tables, serve food and beverages, clean sleeping cars and cabins, make beds, wash dishes and maintain washroom supplies
- Carry luggage for passengers aboard ships
- Ensure customer satisfaction and comfort.

#### Facilities workers

- Set-up, install, reconfigure, relocate and dismantle temporary partitions and furnishings of rooms
- Assemble, rotate and disassemble window displays, showcases and signage according to floor plans or instructions
- Assist with installation of audiovisual equipment and help in resolving problems during use
- May perform minor repairs on installations and routine maintenance of audiovisual equipment.

#### *Employment requirements*

- Some secondary school education may be required.

### **65211 Operators and attendants in amusement, recreation and sport**

Operators and attendants in amusement, recreation and sport assist patrons, collect tickets and fees and supervise the use of recreational and sports equipment. They are employed by amusement parks, fairs, exhibitions, carnivals, arenas, billiard parlours, bowling alleys, golf courses, ski centres, tennis clubs, campgrounds and other recreational and sports facilities.

#### *Illustrative example(s)*

- amusement attraction operator
- amusement park attendant
- amusement ride operator
- athletic equipment custodian
- billiard parlour attendant
- bingo hall attendant
- bowling alley attendant
- campground attendant
- campground supervisor
- game concession operator
- recreation attendant
- recreational facility attendant

- rink ice maker
- ski lift attendant
- sports attendant
- tennis court attendant

*Inclusion(s)*

- park receptionist

*Exclusion(s)*

- Casino workers (64321)
- Other service support occupations (65329)
- Other services supervisors (62029)
- Other support occupations in personal services (65229)
- Program leaders and instructors in recreation, sport and fitness (54100)

*Main duties*

This group performs some or all of the following duties:

Amusement attraction operators

- Drive trucks, vans and other vehicles to transport amusement rides, games and other attractions to amusement attraction sites
- Set up rides, fun houses, game concessions and other amusement attractions
- Perform routine maintenance and safety inspections of attraction equipment
- Operate rides and other attractions, oversee game activities and ensure safety of participants
- May sell tickets.

Attendants in amusement, recreation and sport

- Collect tickets and fees, and rent or sell sports and accessory equipment
- Schedule the use of recreational facilities such as golf courses, tennis courts, bowling alleys, fitness clubs, campgrounds and other similar facilities
- Operate recreational facility equipment such as ski lifts, ice rink equipment and snow making machines
- Assist patrons on and off ski lifts and amusement park rides, secure and release safety belts and bars and monitor equipment to detect wear and damage
- Clean and maintain recreational facilities and grounds.

*Employment requirements*

- Some secondary school education may be required.
- On-the-job training is usually provided.

## **6522 Support occupations in personal services**

This minor group comprises support occupations in personal services, including pet groomers and animal care workers and other support occupations in personal services not elsewhere classified. They are employed by animal hospitals and clinics, animal shelters, breeding and boarding kennels, zoos, laboratories, retail pet shops, dog training schools and pet grooming establishments; or they may be self-employed.

## 65220 Pet groomers and animal care workers

Animal care workers feed, handle, train and groom animals and assist veterinarians, animal health technologists and technicians and animal breeders. Pet groomers clip coats, bathe and otherwise groom pets. They are employed by animal hospitals and clinics, animal shelters, breeding and boarding kennels, zoos, laboratories, retail pet shops, dog training schools, pet grooming establishments, or may be self-employed.

### *Illustrative example(s)*

- animal care worker (except farm)
- dog groomer
- dog trainer
- kennel attendant
- laboratory animal attendant
- pet groomer
- pound attendant
- veterinary attendant
- zoo attendant

### *Exclusion(s)*

- Animal health technologists and veterinary technicians (32104)
- Animal nutritionist (See 21110-Biologists and related scientists)
- Horseshoer (See 72999-Other technical trades and related occupations)
- Marine mammal trainer (See 21110-Biologists and related scientists)
- Sheep shearer (See 84120-Specialized livestock workers and farm machinery operators)

### *Main duties*

This group performs some or all of the following duties:

- Prepare food and feed animals, fish or birds at scheduled intervals
- Clean and disinfect cages, pens and surrounding areas
- Shampoo, clip and groom animals
- Assist veterinarians and animal health technologists and technicians to inoculate and treat animals
- Assist animal breeders to handle and nurture animals
- Assist scientists and researchers in conducting laboratory tests with animals
- Monitor and document animal behaviour
- Train dogs to obey commands and perform specific duties in response to signals.

### *Employment requirements*

- Completion of secondary school is usually required.
- Depending on the type of work performed, training courses in animal handling, grooming or dog training are usually required. Animal health or veterinary assistant college courses may be required for animal care workers.

### *Additional information*

- Progression to animal health technology occupations is possible with additional training.

## 65229 Other support occupations in personal services

Workers in other support occupations in personal services provide psychic consulting, fortune-telling, astrological services and other personal services. They are employed by call centres and personal service establishments, or are self-employed.

### *Illustrative example(s)*

- astrologer
- chat line agent
- dating service consultant
- fortune teller
- psychic consultant
- psychic reader

### *Exclusion(s)*

- Image, social and other personal consultants (64201)
- Massage therapists (32201)

### *Main duties*

This group performs some or all of the following duties:

#### Astrologers

- Chart and interpret stellar and planetary positions on a horoscope to predict future events and trends for a client or the general public.

#### Psychic consultants and related advisors

- Provide personal advice to clients based on various schools of thought.

#### Other service providers

- Offer a wide variety of personal services not elsewhere classified.

### *Employment requirements*

- A period of training under the guidance of a practitioner is usually required.

## 653 Support occupations in cleaning and related services

This sub-major group comprises support occupations in cleaning and related services, and other service support occupations.

### 6531 Cleaners

This minor group comprises cleaners, including light duty cleaners; specialized cleaners; and janitors, caretakers and heavy-duty cleaners. They are employed by hotels, motels and resorts; shopping and recreational facilities; hospitals, health care facilities and educational and other institutions; building management companies, cleaning service companies, condominium corporations and private individuals; and industrial, religious and other establishments; or they may be self-employed.



## 65310 Light duty cleaners

Light duty cleaners clean lobbies, hallways, offices and rooms of hotels, motels, resorts, hospitals, schools, office buildings and private residences. They are employed by hotels, motels, resorts, recreational facilities, hospitals and other institutions, building management companies, cleaning service companies and private individuals. Housekeepers perform housekeeping duties in residential, and institutional settings.

### *Illustrative example(s)*

- cleaner
- hospital cleaner
- hotel cleaner
- house cleaner
- housekeeper
- housekeeping aide
- housekeeping room attendant
- light duty cleaner
- office cleaner
- sweeper

### *Exclusion(s)*

- Cleaning supervisors (62024)
- Janitors, caretakers and heavy-duty cleaners (65312)
- Specialized cleaners (65311)

### *Main duties*

This group performs some or all of the following duties:

- Sweep, mop, wash, wax and polish floors
- Dust furniture and vacuum carpeting and area rugs, draperies and upholstered furniture
- Make beds, change sheets and distribute clean towels and toiletries
- Attend to guests' requests for extra supplies
- Stock linen closets and other supplies' areas
- Clean, disinfect and polish kitchen and bathroom fixtures and appliances
- Clean and disinfect public areas such as changing rooms, showers and elevators
- Disinfect operating rooms and other hospital areas
- Pick up debris and empty trash containers
- Wash windows, walls and ceilings
- Report and store lost and found items
- May provide basic information on facilities
- May handle complaints.

### *Employment requirements*

- Some secondary school education may be required.
- On-the-job training is usually provided.

### *Additional information*

- Progression to supervisory cleaning positions is possible with additional training or experience.

## **65311 Specialized cleaners**

Specialized cleaners clean and refurbish building exteriors, carpets, chimneys, industrial equipment, ventilation systems, windows and other surfaces, using specialized equipment and techniques. They are employed by specialized cleaning service companies or they may be self-employed.

### *Illustrative example(s)*

- auto detailer
- building exterior cleaner
- carpet cleaner
- chimney cleaner
- freight car cleaner
- furnace cleaner
- laboratory equipment cleaner
- sandblaster
- septic tank cleaner
- upholstery cleaner
- vehicle cleaner
- ventilation system cleaner
- window cleaner

### *Exclusion(s)*

- Cleaning supervisors (62024)
- Janitors, caretakers and heavy-duty cleaners (65312)
- Light duty cleaners (65310)

### *Main duties*

This group performs some or all of the following duties:

#### Carpet and upholstery cleaners

- Operate cleaning machines to clean carpets, rugs and upholstered furniture on customers' premises or in carpet and upholstery cleaning establishments.

#### Chimney cleaners and sandblasters

- Clean soot and creosote from chimneys and fireplaces using hand tools and industrial vacuum cleaners
- Clean building exteriors, tanks, and industrial equipment using sandblasting, pressurized steam or hydroblasting equipment.

#### Furnace and ventilation system cleaners

- Clean ducts, vents and filters of furnaces in residences and commercial buildings using hand tools and industrial vacuum cleaners.

### Vehicle cleaners

- Clean the interior and exterior of automobiles, buses, streetcars, railway cars and subway cars.

### Window cleaners

- Wash and clean interior and exterior windows and other glass surfaces in low-rise and highrise buildings.

### *Employment requirements*

- There are no specific education requirements for occupations in this unit group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required for some occupations in this unit group.

### *Additional information*

- Progression to supervisory positions is possible with additional training or experience.

## **65312 Janitors, caretakers and heavy-duty cleaners**

Janitors, caretakers and heavy-duty cleaners clean and maintain the interior and exterior of commercial, institutional and residential buildings and their surrounding grounds. They are employed by office and apartment building management companies, condominium corporations, educational institutions, health care facilities, recreational and shopping facilities, religious, industrial and other establishments.

### *Illustrative example(s)*

- custodian
- heavy-duty cleaner
- industrial cleaner
- plant cleaner
- school janitor

### *Exclusion(s)*

- Cleaning supervisors (62024)
- General building maintenance workers and building superintendents (73201)
- Light duty cleaners (65310)
- Specialized cleaners (65311)

### *Main duties*

This group performs some or all of the following duties:

- Operate industrial vacuum cleaners to remove scraps, dirt, heavy debris and other refuse
- Wash windows, interior walls and ceilings
- Empty trash cans and other waste containers
- Sweep, mop, scrub and wax hallways, floors and stairs
- Clean snow and ice from walkways and parking areas
- Cut grass and tend grounds and plants
- Clean and disinfect washrooms and fixtures
- May move heavy furniture, equipment and supplies.

*Employment requirements*

- Completion of secondary school may be required.
- Previous cleaning experience may be required.

*Additional information*

- Progression to supervisory positions is possible with additional training or experience.

**6532 Service support and related occupations**

This minor group comprises service support and related occupations, including dry cleaning, laundry and related occupations, and other service support occupations not elsewhere classified. They are employed in dry cleaning, laundry and fur cleaning establishments, in the laundries of hotels, hospitals and other institutions; and by a wide range of establishments.

**65320 Dry cleaning, laundry and related occupations**

Dry cleaning and laundry machine operators operate machines to dry-clean or launder garments and other articles. Dry cleaning and laundry inspectors and assemblers check finished garments and other articles to ensure that they meet required standards for dry-cleaning, laundering and pressing, and assemble and bag finished garments and other articles. This unit group also includes workers who iron, press or otherwise finish garments and household articles. They are employed in dry cleaning, laundry and fur cleaning establishments, and in the laundries of hotels, hospitals and other institutions.

*Illustrative example(s)*

- assembler - laundry and dry cleaning
- bagger - laundry and dry cleaning
- drapery cleaner
- dry cleaner
- dyer - laundry and dry cleaning
- finisher - laundry and dry cleaning
- fur cleaner - laundry and dry cleaning
- hand finisher - laundry and dry cleaning
- inspector - laundry and dry cleaning
- laundry machine operator
- laundry worker
- leather cleaner - laundry and dry cleaning
- presser - laundry and dry cleaning
- pressing machine tender - laundry and dry cleaning
- silk finisher - laundry and dry cleaning
- steam finisher - laundry and dry cleaning
- suede cleaner - laundry and dry cleaning

*Exclusion(s)*

- Alterations dressmaker AND alterations seamstress (See 64200-Tailors, dressmakers, furriers and milliners)
- Dry cleaning service manager (See 60040-Managers in customer and personal services)
- Dry cleaning supervisor (See 62029-Other services supervisors)

*Main duties*

This group performs some or all of the following duties:

*Dry cleaning and laundry machine operators*

- Operate dry cleaning machines to dry-clean dresses, suits, coats, sweaters and other garments, draperies, cushion covers and other articles
- Sort garments and operate washing machines and dryers to clean and dry clothing, sheets, blankets, towels and other articles
- Operate machines to clean and blow-dry fur garments
- Operate machines to dry-clean, dye, spray, re-oil, and re-buff suede and leather garments
- Mix and add detergents, dyes, bleaches, starches and other solutions and chemicals.

*Dry cleaning and laundry inspectors and assemblers*

- Check finished garments and other articles to ensure that they are properly dry-cleaned or laundered
- Record damaged or improperly dry-cleaned or laundered garments and other articles
- Use hand-held steam iron to touch up finished garments and other articles
- Assemble and bag finished garments and other articles
- Match invoices with tags on garments or other articles.

*Ironing, pressing and finishing workers*

- Operate finishing equipment such as steam pressers, and use hand irons to finish pants, jackets, shirts, skirts and other dry cleaned and laundered articles
- Hand iron laundered fine linens or dry-cleaned silk garments
- Operate fur ironing and glazing equipment to finish fur garments and other fur articles
- Fold and bag dry cleaned and laundered articles
- May operate laundering equipment.

Workers in this group may specialize in finishing suede, leather, fur and delicate articles.

*Employment requirements*

- Some secondary school education is required.
- Four to eight weeks of on-the-job training are usually provided.
- Dry cleaning and laundry machine operators may require experience as inspectors or assemblers.
- Suede, leather and fur cleaners may require experience as dry cleaning or laundry machine operators.

*Additional information*

- Progression to supervisory dry cleaning and laundry occupations is possible with additional training and experience.

**65329 Other service support occupations**

Workers in other service support occupations perform a range of services. They are employed in a wide variety of establishments: places of employment are usually indicated in the job title.

*Illustrative example(s)*

- beauty salon attendant
- car jockey
- cloakroom attendant
- door attendant (except hotel)
- funeral home attendant
- fur storage attendant
- hotel valet
- laundromat attendant
- parking lot attendant
- shoe shiner
- tanning salon attendant
- theatre usher
- ticket taker
- toll booth attendant

*Exclusion(s)*

- Operators and attendants in amusement, recreation and sport (65211)
- Other services supervisors (62029)

*Main duties*

This group performs some or all of the following duties:

Beauty salon attendants

- Shampoo, condition and dry customers' hair and assist hair stylists as directed
- Keep work areas clean.

Door attendants

- Assist persons entering or leaving residential buildings, theatres and similar establishments
- May call taxis and assist with parcels.

Funeral home attendants

- Drive hearses
- Arrange lights and floral displays
- Escort mourners and act as pallbearers
- Clean funeral parlours and chapels.

Laundromat attendants

- Replenish vending machines
- Provide change
- Explain operation of machines to customers
- Clean the laundromat and arrange for the repair of broken machines
- May wash, dry and fold laundry for customers
- May operate dry cleaning machines for customers.

#### Parking lot attendants and car jockeys

- Collect parking fees and issue ticket stubs
- Direct customers to parking spaces and park cars.

#### Ticket takers and ushers

- Collect admission tickets or passes from patrons at entertainment events and direct patrons to their seats.

#### Other workers in this group

- Perform services specific to the establishments in which their occupations are found.

#### *Employment requirements*

- There are no specific education requirements for occupations in this unit group.
- A valid driver's licence is required for some occupations in this unit group, such as funeral attendant and car jockey.
- Drone pilots with a maximum takeoff drone weight of 25 kilograms must pass an online exam (small basic exam) and for takeoff weight of above 25 kilograms, they must pass an online exam (small advanced exam) and an in-person flight review with Transport Canada to get their Drone pilot certificate-advanced operations.

## **7 Trades, transport and equipment operators and related occupations**

This broad category comprises middle management occupations in trades, transportation and equipment, as well as occupations such as technical trades and transportation officers and controllers; general trades; mail and message distribution, other transport equipment operators and related maintenance workers; and helpers and labourers and other transport drivers, operators and labourers.

### **70 Middle management occupations in trades and transportation**

This major group comprises middle management occupations in trades and transportation. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

#### **700 Middle management occupations in trades and transportation**

This sub-major group comprises middle management occupations in trades and transportation, including managers in construction and facility operation and maintenance, and managers in transportation and postal and courier services.

##### **7001 Managers in construction and facility operation and maintenance**

This minor group comprises managers in construction and facility operation and maintenance, including construction managers; home building and renovation managers; and facility operation and maintenance managers. They are employed by residential, commercial, and industrial construction companies; construction departments of companies outside the construction industry; residential renovation companies; commercial, industrial, transportation, institutional, recreational, sports and other facilities; and maintenance and mechanical engineering departments of manufacturing and other industrial establishments; or they may own and operate their own businesses.

###### **70010 Construction managers**

Construction managers plan, organize, direct, control and evaluate the activities of a construction company or a construction department within a company, under the direction of a general manager or other senior manager. They are employed by residential, commercial and industrial construction companies and by construction departments of companies outside the construction industry.

###### *Illustrative example(s)*

- commercial construction manager
- construction manager
- construction project manager
- construction superintendent
- general contractor
- housing construction manager
- industrial construction manager
- pipeline construction manager
- residential construction manager

###### *Exclusion(s)*

- Home building and renovation managers (70011)
- Senior managers - construction, transportation, production and utilities (00015)



*Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate construction projects from start to finish according to schedule, specifications and budget
- Prepare and submit construction project budget estimates
- Plan and prepare construction schedules and milestones and monitor progress against established schedules
- Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants, clients, suppliers and subcontractors
- Develop and implement quality control programs
- Represent company on matters such as business services and union contracts negotiation
- Prepare progress reports and issue progress schedules to clients
- Direct the purchase of building materials and land acquisitions
- Hire and supervise the activities of subcontractors and subordinate staff.

*Employment requirements*

- A university degree in civil engineering or a college diploma in construction technology is usually required.
- A master's degree in project management may be required.
- Several years of experience in the construction industry, including experience as a construction supervisor or field superintendent, are usually required.
- Extensive experience in the construction industry may substitute for post-secondary education requirements.
- Professional engineering status or construction trade certification may be required by some employers.

*Additional information*

- Progression to senior management positions is possible with experience.

**70011 Home building and renovation managers**

Home building managers own, operate and manage companies engaged in the construction of new residential homes. Home renovation managers own, operate and manage companies engaged in the renovation of existing residential homes.

*Illustrative example(s)*

- home builder
- home renovation contractor
- home renovator
- renovation contractor
- residential homes contractor

*Exclusion(s)*

- Construction managers (70010)
- Senior managers - construction, transportation, production and utilities (00015)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a residential home building or renovating company
- Prepare bids for home construction or renovation projects
- Consult with customers, architects and engineers regarding plans and specifications
- Select, hire and supervise trade subcontractors to do specialized work, such as plumbing, heating and electrical work
- Plan and prepare work schedules and coordinate the activities of subcontractors
- Inspect work performed by subcontractors to ensure quality and conformity with plans and specifications
- Prepare and maintain a directory of suppliers and trade subcontractors
- Develop and implement marketing and advertising strategies to promote company's products and services
- May perform carpentry or other trade work during home construction or renovation activities.

### *Employment requirements*

- Extensive experience in the home construction industry, including experience as a general supervisor, is usually required for self-employment as a home builder or a home renovator.
- Leading in Energy and Environmental Design (LEED) certification may be an asset in bidding on and obtaining building and renovation projects.

### *Additional information*

- Progression to senior management positions is possible with extensive experience and training in management.

## **70012 Facility operation and maintenance managers**

Facility operation managers plan, organize, direct, control and evaluate the operations of commercial, transportation and recreational facilities and the included real estate. Facility operation managers are employed by a wide range of establishments, such as airports, harbours, canals, shopping centres, convention centres, warehouses and recreational facilities. Maintenance managers plan, organize, direct, control and evaluate the maintenance department within commercial, industrial, institutional, recreational and other facilities. Maintenance managers are employed by a wide range of establishments, such as office buildings, shopping centres, airports, harbours, warehouses, grain terminals, universities, schools and sports facilities, and by the maintenance and mechanical engineering departments of manufacturing and other industrial establishments.

### *Illustrative example(s)*

- airport manager
- arena manager
- campus maintenance manager
- facilities maintenance head
- facility operations manager
- grain elevator district manager
- harbour master
- maintenance and service superintendent
- maintenance manager

- maintenance support services chief
- mechanical services superintendent
- plant maintenance superintendent
- recreation facility manager
- shopping centre manager
- warehouse manager

#### *Exclusion(s)*

- Administrative services managers (1001)
- Building superintendent (See 73201-General building maintenance workers and building superintendents)
- Contractors and supervisors, mechanic trades (72020)
- Director of operations - transportation (See 70020-Managers in transportation)
- Freight traffic manager (See 70020-Managers in transportation)
- Production operations manager (See 90010-Manufacturing managers)
- Property administrators (13101)

#### *Main duties*

This group performs some or all of the following duties:

##### Facility operation managers

- Plan, organize, direct, control and evaluate the operations of commercial, transportation and recreational facilities and the included real estate
- Oversee the leasing of space in the facility and the included real estate and the development of marketing strategies
- Plan, organize and direct administrative services such as signage, cleaning, maintenance, parking, safety inspections, security and snow removal
- Plan, organize, direct, control and evaluate construction projects to modify commercial, transportation and recreational facilities and real estate
- Oversee the installation, maintenance and repair of real estate infrastructures including machinery, equipment and electrical and mechanical systems
- Plan and manage the facility's operations budget
- Prepare or oversee the preparation of reports and statistics related to areas of responsibility
- Hire and oversee training and supervision of staff.

##### Maintenance managers

- Direct the maintenance and repair of an establishment's machinery, equipment and electrical and mechanical systems
- Develop and implement schedules and procedures for safety inspections and preventive maintenance programs
- Coordinate cleaning, snow removal and landscaping operations
- Administer contracts for the provision of supplies and services
- Plan and manage a facility's maintenance budget
- Hire and oversee training and supervision of staff.

### *Employment requirements*

- Facility operation managers require completion of a college or university program in business administration or in a discipline related to facility operation and maintenance  
or  
An equivalent combination of technical training and experience in administration or maintenance.
- Maintenance managers require completion of a college or university program in electrical or mechanical engineering or in another discipline related to building maintenance  
or  
An equivalent combination of technical training and experience in building maintenance.
- Several years of supervisory experience in facility operations or maintenance are usually required.

## **7002 Managers in transportation and postal and courier services**

This minor group comprises managers in transportation and postal and courier services. They are employed by transportation, freight forwarding and shipping companies and by transportation departments of companies in the retail and manufacturing sectors and utilities; and by courier companies and Canada Post Corporation.

### **70020 Managers in transportation**

Managers in transportation operations plan, organize, direct, control and evaluate the operations of transportation companies such as railways, airlines, bus lines, municipal transit systems, shipping lines and trucking companies, under the direction of a general manager or another senior manager. Managers in transportation freight traffic plan, organize, direct, control and evaluate companies or departments responsible for the transportation and movement of goods, under the direction of a general manager or another senior manager. They are employed by transportation, freight forwarding and shipping companies and by transportation departments of companies in retail and manufacturing sectors and utilities.

#### *Illustrative example(s)*

- bus company manager
- distribution manager - logistics
- flight operations manager
- freight forwarding manager
- marine superintendent
- rail operations superintendent
- railway freight manager
- traffic manager - transportation
- transport department manager
- transportation manager
- urban transit system manager

#### *Inclusion(s)*

- cruise ship line manager

*Exclusion(s)*

- Airport manager (See 70012-Facility operation and maintenance managers)
- Airport terminal manager (See 70012-Facility operation and maintenance managers)
- Harbour master (See 70012-Facility operation and maintenance managers)
- Senior managers - construction, transportation, production and utilities (00015)

*Main duties*

This group performs some or all of the following duties:

*Managers in transportation operations*

- Plan, organize, direct, control and evaluate the operations of a transportation company
- Set operations policies and standards, including determination of safety procedures for the handling of dangerous goods, and ensure compliance with transport regulations
- Oversee the dispatch, maintenance and service of vehicles, vessels or aircraft
- Control the company or departmental budget, including acquisitions
- Monitor company's or department's performance, prepare reports for senior management, and plan for changes to schedules and policies
- Recruit personnel and oversee their training.

*Managers in transportation freight traffic*

- Plan, organize, direct, control and evaluate the operation of or department responsible for coordinating, arranging and monitoring the transportation and movement of goods
- Arrange shipping documentation and oversee the schedule, dispatch and tracking of goods
- Set transportation service rates and performance indicators
- Develop plans and procedures for the transportation and storage of goods
- Negotiate with carriers, warehouse operators and insurance company representatives for services and preferential rates
- Control the departmental budget
- Recruit personnel and oversee their training.

*Employment requirements**Managers in transportation operations*

- A bachelor's degree in business administration or engineering is usually required.
- Several years of experience in transportation operations are usually required, including supervisory experience.
- Extensive experience as a supervisor and operator in a particular transport mode, such as a pilot, train engineer, vessel master or truck driver, may substitute for formal education.
- Certification as an operator of a particular mode of transportation, such as commercial pilot, vessel master or truck driver, is usually required.

*Managers in transportation freight traffic*

- Completion of secondary school is required.
- A college diploma or university degree in business or transportation administration may be required.
- Several years of clerical, operational or administrative experience related to freight traffic are required

### *Additional information*

- There is little or no mobility between managers in transportation operations and managers in transportation freight traffic.
- There is little or no mobility between transportation managers of land, sea and air transportation operations.

## **70021 Postal and courier services managers**

Postal and courier services managers plan, organize, direct, control and evaluate the activities and operations in postal facilities and in establishments that provide courier services. They are employed by Canada Post Corporation and by courier companies.

### *Illustrative example(s)*

- collection and delivery operations manager - postal service
- mail operations manager
- mail processing plant manager
- messenger service manager
- parcel processing plant manager
- post office manager
- postal station superintendent
- production control manager - postal service

### *Exclusion(s)*

- Postmaster/mistress (See 72025-Supervisors, mail and message distribution occupations)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities and operations of postal facilities and courier service companies, or of operational divisions within Canada Post and courier service companies
- Coordinate the duties of supervisors and other staff
- Manage the accurate and expedient movement of mail and parcels through postal and parcel sorting facilities
- Review effectiveness of assigned operations and implement changes to postal and courier operations
- Prepare and submit budget estimates and administer the expenditures of postal and courier facilities
- Interview, hire and provide training for staff.

### *Employment requirements*

- A university degree or college diploma is usually required.
- Several years of supervisory or operational experience within a postal or courier facility are usually required.

## **72 Technical trades and transportation officers and controllers**

This major group comprises technical trades and transportation officers and controllers. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety

responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

## **720 Technical trades contractors and supervisors**

This sub-major group comprises technical trades contractors and supervisors, including contractors and supervisors, technical industrial, electrical and construction trades and related workers, as well as contractors and supervisors, technical maintenance trades and heavy equipment and transport operators. Contractors own and operate their own businesses and supervisors supervise and coordinate the activities of workers.

### **7201 Contractors and supervisors, technical industrial, electrical and construction trades and related workers**

This minor group comprises contractors and supervisors, technical industrial, electrical and construction trades and related workers, including contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations; contractors and supervisors, electrical trades and telecommunications occupations; contractors and supervisors, pipefitting trades; contractors and supervisors, carpentry trades; and contractors and supervisors, other construction trades, installers, repairers and servicers. Contractors own and operate their own businesses and supervisors supervise and coordinate the activities of workers. They are employed by construction companies; electrical, mechanical, carpentry, bricklaying, masonry, cement and concrete, plastering, drywalling and lathing, roofing, insulation, painting, floor covering, construction glass installation, and plumbing and pipefitting trade contractors; maintenance departments of industrial, commercial and manufacturing establishments; machine shops; structural, platework and related metal products fabrication, manufacturing and erecting companies; electric power generation, transmission and distribution companies and public utility commissions; telephone, cable and satellite television and other telecommunications transmission companies; gas distribution companies; manufacturers of custom furniture and fixtures and of precast concrete products; service and repair shops; glass fabrication shops; and pest control companies; or they may be self-employed.

#### **72010 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations**

Contractors and supervisors in machining, metal forming, shaping and erecting trades and related occupations supervise and coordinate the activities of workers classified in the following unit groups: Machinists and machining and tooling inspectors (72100), Tool and die makers (72101), Sheet metal workers (72102), Boilermakers (72103), Structural metal and platework fabricators and fitters (72104), Ironworkers (72105), Welders and related machine operators (72106) and Machining tool operators (94106). They are employed by structural, platework and related metal products fabrication, manufacturing and erecting companies and machine shops. Contractors may be self-employed.

#### *Illustrative example(s)*

- automotive machine shop foreman/woman
- blacksmith foreman/woman
- boilermaker foreman/woman
- boilermaker supervisor
- ironwork contractor
- ironworkers foreman/woman
- machine shop supervisor
- machinists foreman/woman
- machinists supervisor
- maintenance machine shop foreman/woman
- metal mould and metal patternmakers supervisor

- sheet metal workers supervisor
- structural metal fitter supervisor
- tool and die inspectors supervisor
- tool and die makers foreman/woman
- welder supervisor

#### *Exclusion(s)*

- Computer numerically controlled coordinate measuring machine (CNC/CMM) programmer (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Computer-assisted design/computer-assisted manufacturing (CAD/CAM) programmer (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Supervisors, motor vehicle assembling (92020)
- Supervisors, other mechanical and metal products manufacturing (92023)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who shape, form and join metal parts or products to specified dimensions, machine metal into parts, products, tools and dies or moulds with precise measurements and erect light and heavy metal products and structures
- Establish methods to meet work schedules and coordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare production and other reports
- Set up machines and equipment and write programs for computer numerically controlled (CNC) machine tools
- May manage the operations of their own companies
- May also supervise, coordinate and schedule the activities of related apprentices, machine operators, helpers and labourers
- Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience as a qualified machinist or tool and die maker are required.
- Journeyman/woman trade certification in machining, tool and die making or in another related metalworking trade is required.

### **72011 Contractors and supervisors, electrical trades and telecommunications occupations**

Contractors and supervisors in electrical trades and telecommunications occupations supervise and coordinate the activities of workers classified in the following unit groups: Electricians (72200), Industrial electricians (72201), Power system electricians (72202), Electrical power line and cable workers (72203), Telecommunications line and



cable installers and repairers (72204) and Telecommunications equipment installation and cable television service technicians (72205). They are employed in a wide range of establishments; places of employment are indicated in the above unit group descriptions. Contractors may be self-employed.

#### *Illustrative example(s)*

- cable maintenance and repair supervisor
- cablevision technicians foreman/woman
- construction electricians foreman/woman
- electrical contractor
- industrial electrical systems foreman/woman
- plant electrician supervisor
- power line and cable workers foreman/woman
- power systems electricians foreman/woman
- residential electrician supervisor
- telecommunication installation and repair worker foreman/woman

#### *Exclusion(s)*

- Electrical mechanics foreman/woman (See 72020-Contractors and supervisors, mechanic trades)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who install, repair and maintain electrical wiring, fixtures and control devices, power systems, telecommunication systems and cablevision systems
- Establish methods to meet work schedules and coordinate work activities with other departments or subcontractors
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare work progress reports
- May manage the operations of their own companies
- May also supervise, coordinate and schedule the activities of related apprentices, helpers and labourers
- Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are required.
- Journeyman/woman trade certification in a relevant trade is required.

#### *Additional information*

- There is some mobility between jobs within a specific trade; however, there is little or no intertrade mobility.

## 72012 Contractors and supervisors, pipefitting trades

Contractors and supervisors in pipefitting trades supervise and coordinate the activities of workers classified in the following unit groups: Plumbers (72300), Steamfitters, pipefitters and sprinkler system installers (72301) and Gas fitters (72302). They are employed by construction companies, mechanical, plumbing and pipefitting trade contractors and maintenance departments of industrial, commercial and manufacturing establishments. Contractors may be self-employed.

### *Illustrative example(s)*

- gas fitters foreman/woman
- gas fitters supervisor
- pipefitters foreman/woman
- pipefitting contractor
- plumber foreman/woman
- plumbers supervisor
- plumbing contractor
- sprinkler system installer foreman/woman
- steamfitter foreman/woman
- steamfitters supervisor

### *Exclusion(s)*

- Contractors and supervisors, other construction trades, installers, repairers and servicers (72014)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who install, repair and maintain piping systems used for the transmission of steam, heat, water, oil and other liquids and gases in residential, commercial, industrial and other installations
- Establish methods to meet work schedules and coordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare schedules and other reports
- May manage the operations of their own companies
- May supervise, coordinate and schedule the activities of related apprentices, helpers and labourers
- Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.

### *Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are required.
- Journeyman/woman trade certification in a relevant trade is required.

*Additional information*

- There is little or no intertrade mobility among the supervisors in this unit group.

**72013 Contractors and supervisors, carpentry trades**

Contractors and supervisors in carpentry trades supervise and coordinate the activities of workers classified in the following unit groups: Carpenters (72310) and Cabinetmakers (72311). They are employed by construction companies, carpentry contractors, maintenance departments of industrial establishments, and custom furniture and fixture manufacturing or repair companies. Contractors may be self-employed.

*Illustrative example(s)*

- cabinetmaking contractor
- carpenter supervisor
- carpentry contractor
- finish carpenters foreman/woman
- form builders foreman/woman
- framers foreman/woman
- maintenance carpenters foreman/woman

*Inclusion(s)*

- general foreman/woman - residential construction
- residential construction supervisor

*Exclusion(s)*

- Construction managers (70010)
- Home building and renovation managers (70011)
- Supervisors, furniture and fixtures manufacturing (92022)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of carpenters who construct, renovate and maintain structures of wood and other building materials and build and install interior finishing in residential, commercial and industrial buildings; and of cabinetmakers who construct and repair custom wooden cabinets, furniture, fixtures and related products
- Establish methods to meet work schedules and coordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare schedules and other reports
- May manage the operations of their own companies
- May also supervise, coordinate and schedule the activities of related apprentices, helpers and labourers
- Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.

*Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience as a qualified carpenter or cabinetmaker are required.
- Journeyman/woman trade certification as a carpenter or cabinetmaker is usually required.

*Additional information*

- There is some mobility among jobs within a specific trade; however, there is little or no intertrade mobility.

**72014 Contractors and supervisors, other construction trades, installers, repairers and servicers**

Contractors and supervisors, other construction trades, installers, repairers and servicers supervise and coordinate the activities of various tradespersons, installers, repairers and servicers classified in the following minor groups: Bricklayers and Insulators (7232), Concrete finishers, tilesetters and plasterers (7310), Roofers, Glaziers, Painters, decorators and floor covering installers (7311) and Building maintenance installers, servicers and repairers (7320). They are employed by a wide range of establishments; places of employment are indicated in the unit group descriptions. Contractors may be self-employed. This unit group also includes prefabricated product installation and service contractors and proprietors of some repair and service establishments.

*Illustrative example(s)*

- bicycle repair shop supervisor
- bricklaying contractor
- cement finishing contractor
- glaziers foreman/woman
- insulators foreman/woman
- painters and decorators supervisor
- painting contractor
- pest control supervisor
- plasterer foreman/woman
- roofing contractor
- tilesetters supervisor

*Exclusion(s)*

- Contractors and supervisors, carpentry trades (72013)
- Contractors and supervisors, pipefitting trades (72012)
- Electrical contractor (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)
- Electricians supervisor (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)
- Ironwork contractor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Ironwork supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of construction workers engaged in bricklaying, roofing, cement finishing, tilesetting, plastering, drywall installation, glazing, insulating and painting, and workers who install and service prefabricated products in residential and commercial properties, as well as workers who repair a wide variety of products, such as musical instruments, sports equipment, vending machines, bicycles and cameras
- Establish methods to meet work schedules and coordinate work activities with other subcontractors
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare work progress reports
- May manage the operations of own company
- May also supervise, coordinate and schedule the activities of related apprentices, helpers and labourers
- Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.

*Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience in the trade or in the work area supervised are usually required.
- Journeyman/woman trade certification may be required for some occupations in this unit group.

*Additional information*

- There is little or no mobility among supervisors in this unit group.

## **7202 Contractors and supervisors, technical maintenance trades and heavy equipment and transport operators**

This minor group comprises contractors and supervisors, technical maintenance trades and heavy equipment and transport operators, including contractors and supervisors, mechanic trades; contractors and supervisors, heavy equipment operator crews; supervisors, printing and related occupations; supervisors, railway transport operations; supervisors, motor transport and other ground transit operators; and supervisors, mail and message distribution occupations. Contractors own and operate their own businesses and supervisors supervise and coordinate the activities of workers. They are employed by manufacturing, utilities and other industrial establishments; heavy equipment dealers, contractors and servicing companies; construction, pipeline, logging, water drilling, cargo-handling companies; mining, quarrying and drilling and blasting companies; refrigeration, heating and air conditioning contractors and maintenance companies; elevator construction and maintenance companies; retail and warehouse establishments; marine, railway, motor transport and ground transit companies and urban transit systems; airlines and aircraft maintenance establishments; motor vehicle, and truck and trailer dealerships, maintenance establishments, body repair shops and appraisal centres; motorcycle, all-terrain vehicle, appliance, and other electrical equipment repair and service shops, dealerships and maintenance departments of related manufacturing and retail companies; commercial printing companies and establishments with in-house printing departments; Canada Post Corporation and courier companies; all levels of government; or they may be self-employed.

## 72020 Contractors and supervisors, mechanic trades

Contractors and supervisors in mechanic trades supervise and coordinate the activities of workers classified in unit groups within the following minor groups: Machinery and transportation equipment mechanics (except motor vehicle) (7240), Automotive service technicians (7241) and Small motor, engine and equipment mechanics and related repairers (including electrical components) (7242). They are employed in a wide range of establishments; places of employment are indicated in the unit group descriptions of the above minor groups. Contractors may be self-employed.

### *Illustrative example(s)*

- air conditioning and refrigeration mechanic foreman/woman
- aircraft maintenance engineers (AME) supervisor
- aircraft mechanics and inspectors foreman/woman
- appliance repair shop supervisor
- electrical mechanics foreman/woman
- heating systems contractor
- heating systems mechanics foreman/woman
- heavy machinery assembly foreman/woman
- industrial mechanics supervisor
- motor vehicle repair shop supervisor
- printing machine repairers foreman/woman
- railway car repairer foreman/woman
- railway equipment maintenance inspectors foreman/woman
- small-engine repair shop foreman/woman
- textile machine mechanics foreman/woman

### *Exclusion(s)*

- Industrial electricians foreman/woman (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who repair and maintain aircraft, railway locomotives and cars, industrial machinery and equipment, construction and other heavy equipment, textile equipment, printing machines, heating equipment and furnaces, transformers and other electrical equipment, motor vehicles, air conditioning and refrigeration equipment, electric appliances and other equipment, such as motorcycles, outboard motors and snowmobiles
- Establish methods to meet work schedules and coordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hiring and promotions
- Ensure that standards for safe working conditions are observed
- Prepare production and other reports
- May manage the operations of their own companies

- May also supervise, coordinate and schedule the activities of related apprentices, helpers and labourers
- Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are usually required.
- Journeyman/woman trade certification in a relevant trade is required.

#### *Additional information*

- There is little or no intertrade mobility among the supervisors in this unit group.

### **72021 Contractors and supervisors, heavy equipment operator crews**

Contractors and supervisors of heavy equipment operator crews supervise and coordinate the activities of workers classified in the following unit groups: Crane operators (72500), Water well drillers (72501), Heavy equipment operators (73400), Drillers and blasters - surface mining, quarrying and construction (73402), Railway yard and track maintenance workers (74200), Public works maintenance equipment operators and related workers (74205), Longshore workers (75100), Material handlers (75101), and Public works and maintenance labourers (75212). They are employed in a wide range of establishments; places of employment are indicated in the above unit group descriptions. Contractors may be self-employed.

#### *Illustrative example(s)*

- demolition foreman/woman
- drilling and blasting foreman/woman - construction
- excavating contractor
- heavy equipment operators supervisor
- logging road construction foreman/woman
- oil field construction supervisor
- paving contractor
- pipeline construction supervisor
- railway gang foreman/woman
- railway section foreman/woman
- railway track maintenance foreman/woman
- road maintenance foreman/woman
- track foreman/woman - railway
- water well drilling supervisor

#### *Exclusion(s)*

- Heavy equipment mechanics supervisor (See 72020-Contractors and supervisors, mechanic trades)
- Supervisors, logging and forestry (82010)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who operate cranes and construction, paving, drilling, railway maintenance and other similar heavy equipment
- Establish methods to meet work schedules and coordinate work activities with other project supervisors or managers
- Requisition materials and supplies
- Resolve work problems and recommend measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May manage the operations of own company
- May also supervise, coordinate and schedule the activities of related apprentices, helpers and labourers
- Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.

### *Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience in the occupation supervised is required.
- Journeyman/woman trade certification in a relevant trade may be required.

### *Additional information*

- There is some mobility between occupations classified in this unit group.

## **72022 Supervisors, printing and related occupations**

Supervisors of workers in printing and related occupations supervise and coordinate the activities of workers who produce camera work and printing plates and cylinders, process film, print text and illustrations on paper, metal and other material, and bind and finish printed products. They are employed by companies that specialize in commercial printing or one of its components, such as binding or colour reproduction, in combined printing and publishing companies, such as newspapers and magazines, and in various establishments in both the public and private sectors that have in-house printing departments.

### *Illustrative example(s)*

- bindery foreman/woman - printing
- bindery supervisor - printing
- composing room supervisor - printing
- film processing supervisor
- finishing supervisor - printing
- photographic and film processing foreman/woman
- platemaking supervisor - printing
- prepress supervisor - printing
- pressroom supervisor - printing



*Exclusion(s)*

- Desktop publishing operators supervisor (See 12010-Supervisors, general office and administrative support workers)
- Printing plant manager (See 90010-Manufacturing managers)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule activities of workers who produce camera work and printing plates and cylinders; process film; and print, bind and finish books, newspapers, business forms and other printed products
- Establish methods to meet work schedules and coordinate work activities with other departments
- Review and approve all job proofs or samples in order to ensure quality of work meets client specifications
- Requisition materials and supplies
- Resolve work problems, provide technical advice and recommend measures to improve productivity and product quality
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hiring and promotions
- Prepare production and other reports
- May set up machines or equipment.

*Employment requirements*

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology may be required.
- Several years of experience in the work area supervised is usually required.
- Provincial trade certification may be required for some occupations in this unit group.

*Additional information*

- Progression to management positions, such as department, production or plant manager, is possible with experience.

**72023 Supervisors, railway transport operations**

Supervisors of railway transport operations supervise and coordinate the activities of railway and yard locomotive engineers, railway yard workers and railway labourers. They are employed by railway transport companies.

*Illustrative example(s)*

- freight train road foreman/woman
- railway transport operations supervisor
- stationmaster
- trainmaster
- yard foreman/woman - railway
- yardmaster - railway

*Exclusion(s)*

- Railway car repairer supervisor (See 72020-Contractors and supervisors, mechanic trades)
- Railway track maintenance foreman/woman (See 72021-Contractors and supervisors, heavy equipment operator crews)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who operate trains, drive locomotives in railway yards and perform other duties related to railway operations
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve performance
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hiring and promotions
- Prepare work reports.

*Employment requirements*

- Completion of secondary school is usually required.
- A Canadian Rail Operating Rules certificate is required.
- A certificate in accordance with the Railway Employee Qualification Standards Regulations is required.
- Several years of railway operations experience are required.

**72024 Supervisors, motor transport and other ground transit operators**

Supervisors of motor transport and other ground transit operators supervise and coordinate activities of truck drivers, bus drivers, delivery drivers, subway and other transit operators, chauffeurs and taxi and limousine drivers. This unit group also includes bus dispatchers who coordinate the activities of transit system bus drivers and subway traffic controllers who operate and monitor signal and track switch control panels. They are employed by motor transportation and ground transit companies and by urban transit systems.

*Illustrative example(s)*

- bus dispatcher
- bus inspector
- light rail transit (LRT) operators supervisor
- school bus drivers supervisor
- subway operators supervisor
- subway traffic controller
- transit mobile inspector
- truck drivers foreman/woman
- urban transit system foreman/woman

*Exclusion(s)*

- Supervisors, railway transport operations (72023)
- Taxi dispatcher (See 14404-Dispatchers)

- Train dispatcher (See 72604-Railway traffic controllers and marine traffic regulators)
- Truck dispatcher (See 14404-Dispatchers)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who operate trucks, buses, subway trains, light rail transit, street cars, taxis and other transport vehicles
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve performance
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hiring and promotions
- Dispatch bus drivers and monitor routes to ensure schedules are met and to resolve operating problems
- Monitor and operate signal and track switch control panel of subway systems
- Prepare work reports and budgets, and monitor expenditures.

### *Employment requirements*

- Completion of secondary school is usually required.
- Several years of experience as a driver or operator of motor transport or ground transit equipment are usually required.

### *Additional information*

- There is little mobility between occupations in the different transportation sectors of this unit group.

## **72025 Supervisors, mail and message distribution occupations**

Supervisors in mail and message distribution supervise and coordinate the activities of workers in the following unit groups: Postal services representatives (64401), Letter carriers (74101), Mail and parcel sorters and related occupations (74100) and Couriers and messengers (74102). They are employed by Canada Post Corporation, courier companies, governments and large corporations.

### *Illustrative example(s)*

- courier service supervisor
- letter carriers supervisor
- mail and postal clerks supervisor
- mail room supervisor
- messenger service supervisor
- postal station supervisor
- postmaster/mistress

### *Exclusion(s)*

- Postal and courier services managers (70021)
- Shipping and receiving supervisor (See 12013-Supervisors, supply chain, tracking and scheduling coordination occupations)

### *Main duties*

This group performs some or all of the following duties:

- Coordinate, assign and review the work of postal clerks, couriers and letter carriers engaged in the collecting, sorting and delivering of mail, parcels and other material
- Establish work schedules and procedures and coordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Train workers in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

### *Employment requirements*

- Completion of secondary school is required.
- Several years of experience in the occupation supervised are usually required.
- Physical fitness may be required for some occupations in this unit group.

## **721 Technical industrial trades**

This sub-major group comprises technical industrial trades, including machining, metal forming, shaping and erecting trades, including machinists and machining and tooling inspectors; tool and die makers; sheet metal workers; boilermakers; structural metal and platework fabricators and fitters; ironworkers; and welders and related machine operators.

### **7210 Machining, metal forming, shaping and erecting trades**

This minor group comprises machining, metal forming, shaping and erecting trades, including machinists and machining and tooling inspectors; tool and die makers; sheet metal workers; boilermakers; structural metal and platework fabricators and fitters; ironworkers; and welders and related machine operators. They are employed by machinery, equipment, vehicle, aircraft, shipbuilding and other metal products manufacturers; construction and electric power generation companies; tool and die, mould making, welding and machine shops; structural steel, boiler, sheet metal and platework fabrication plants; and by construction ironwork, sheet metal work and welding contractors; or they may be self-employed.

#### **72100 Machinists and machining and tooling inspectors**

Machinists set up and operate a variety of machine tools to cut or grind metal, plastic or other materials to make or modify parts or products with precise dimensions. Machining and tooling inspectors inspect machined parts and tooling in order to maintain quality control standards. They are employed by machinery, equipment, motor vehicle, automotive parts, aircraft and other metal products manufacturing companies and by machine shops. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- automotive machinist
- aviation machinist
- general machinist
- machine shop inspector
- machined parts inspector
- machining inspector

- machinist
- machinist apprentice
- tooling inspector

#### *Exclusion(s)*

- Computer-assisted design/computer-assisted manufacturing (CAD/CAM) programmer (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations (72010)
- Machining tool operators (94106)
- Tool and die makers (72101)

#### *Main duties*

This group performs some or all of the following duties:

##### Machinists

- Read and interpret engineering drawings, blueprints, charts and tables or study sample parts to determine machining operation to be performed, and plan best sequence of operations
- Compute dimensions and tolerances and measure and lay out work pieces
- Set up, operate and maintain a variety of machine tools including computer numerically controlled (CNC) tools to perform precision, non-repetitive machining operations such as sawing, turning, milling, boring, planing, drilling, precision grinding and other operations
- Fit and assemble machined metal parts and subassemblies using hand and power tools
- Verify dimensions of products for accuracy and conformance to specifications using precision measuring instruments
- May set up and program machine tools for use by machining tool operators.

##### Machining and tooling inspectors

- Verify dimensions of machined parts or tooling using micrometers, verniers, callipers, height gauges, optical comparators, coordinate measuring machines (CMM) or other specialized measuring instruments
- Maintain, repair and calibrate precision measuring instruments such as dial indicators, fixed gauges, height gauges and other measuring devices
- Report deviations from specifications and tolerances to supervisor
- Complete and maintain inspection reports.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program or a combination of over four years of work experience in the trade and some college and industry courses in machining may be required for trade certification.
- Trade certification for machinists is available, but voluntary, in all provinces and territories.
- Trade certification for tool and gauge inspectors is available, but voluntary, in Ontario.
- Trade certification for machinists (CNC) is available, but voluntary, in New Brunswick, Quebec and Manitoba.

- Several years of experience as a machinist, tool and die maker or machining tool operator may be required for machining and tooling inspectors.
- Red Seal endorsement is also available to qualified machinists upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- Familiarity with exotic and composite materials may be required for machinists in aviation and other advanced manufacturing sectors.
- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **72101 Tool and die makers**

Tool and die makers make, repair and modify custom-made, prototype or special tools, dies, jigs, fixtures and gauges using various metals, alloys and plastics which require precise dimensions. They are employed primarily in manufacturing industries such as automobile, aircraft, metal fabrication, electrical machinery and plastics, and in tool and die, mould making and machine shops. This unit group also includes metal patternmakers and metal mould makers. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- die finisher
- die maker
- jig maker
- metal mould maker
- metal patternmaker
- metal patternmaker apprentice
- mould maker - plastics processing
- mould maker apprentice
- tool and die maker
- tool and die maker apprentice
- toolmaker

#### *Exclusion(s)*

- Foundry workers (94101)
- Machining tool operators (94106)
- Machinists and machining and tooling inspectors (72100)
- Metal mould and metal patternmakers supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Tool and die makers supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)

#### *Main duties*

This group performs some or all of the following duties:

Tool and die makers

- Read and interpret engineering drawings and specifications of tools, dies, prototypes or models

- Prepare templates and sketches, and determine work processes
- Compute dimensions and tolerances and set up machine tools
- Position, secure, measure and work metal stock or castings to lay out for machining
- Set up, operate and maintain a variety of conventional and computer numerically controlled (CNC) machine tools to cut, turn, mill, plane, drill, bore, grind or otherwise shape workpiece to prescribed dimensions and finish
- Verify machined parts for conformance to specifications using precision measuring instruments such as verniers, callipers, micrometers, coordinate measuring machines (CMM) and electronic measuring devices
- Fit and assemble or disassemble parts using hand tools
- Test completed tools, dies, jigs or fixtures for proper operation
- May program CNC machine tools.

#### Metal mould makers and patternmakers

- Machine, fit and assemble castings and other parts to make precision models of required shape such as metal patterns, core boxes and match plates
- Machine, fit and assemble parts to make metal moulds and cores for plastic injection moulding, or other production processes
- Lay out, shape and assemble patterns of metal, wood, plastic and other materials from blueprints, models or templates
- May program CNC machine tools.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four- or five-year tool and die making apprenticeship program  
or  
A combination of over five years of work experience in the trade and some high school, college or industry courses in tool and die making is usually required to be eligible for tool and die trade certification.
- Tool and die maker trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba and British Columbia.
- Red Seal endorsement is also available to qualified tool and die makers upon successful completion of the interprovincial Red Seal examination.
- Mould makers usually require completion of a four-year apprenticeship or college program in mould making.
- Trade certification for mould makers is available, but voluntary, in Quebec and Ontario.
- Patternmakers usually require completion of an apprenticeship or college program in patternmaking.
- Patternmaking trade certification is available, but voluntary, in Ontario.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **72102 Sheet metal workers**

Sheet metal workers fabricate, assemble, install and repair sheet metal products. They are employed by sheet metal fabrication shops, sheet metal products manufacturing companies, sheet metal work contractors and various industrial sectors. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice sheet metal worker
- sheet metal fabricator
- sheet metal mechanic
- sheet metal worker
- tinsmith

### *Inclusion(s)*

- sheet metal roofer

### *Exclusion(s)*

- Aircraft sheet metal technician (See 72404-Aircraft mechanics and aircraft inspectors)
- Boilermakers (72103)
- Ironworkers (72105)
- Metalworking and forging machine operators (94105)
- Sheet metal workers supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Structural metal and platework fabricators and fitters (72104)

### *Main duties*

This group performs some or all of the following duties:

- Read engineering and architectural drawings, sketches and work specifications to be performed, and lay out, measure and mark sheet metal according to drawings or templates
- Develop patterns for sheet metal using computer-assisted design and drafting (CAD) software package
- Operate light metalworking machines such as shears, brakes, punches, and drill presses, including computer numerical control (CNC) equipment to cut, bend, punch, drill, shape or straighten sheet metal
- Operate computerized laser or plasma cutting equipment to cut sheet metal
- Install and use rigging and hoisting equipment
- Fit and join sheet metal parts using riveting, welding, soldering and similar equipment to fabricate products such as ventilation shafts, exhaust hoods, eavestroughs, partition frames, air and heat ducts, material handling systems, roof decking and sheet metal buildings
- Install sheet metal products according to specifications and building codes
- Grind and buff seams, joints and rough surfaces
- Inspect product quality and installation to ensure conformance to specifications.

Sheet metal workers may specialize in on-site installation or shop manufacture of sheet metal products, or servicing and maintenance of installed equipment and systems.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three to five year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in sheet metal working is usually required to be eligible for trade certification.



- Trade certification for sheet metal workers is compulsory in New Brunswick, Quebec, Ontario, Saskatchewan and Alberta, and available, but voluntary, in all other provinces and the territories.
- Trade certification for precision sheet metal set-up operator is available, but voluntary in Quebec.
- Red Seal endorsement is also available to qualified sheet metal workers upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **72103 Boilermakers**

Boilermakers fabricate, assemble, erect, test, maintain and repair boilers, vessels, tanks, towers, heat exchangers and other heavy-metal structures. They are employed in boiler fabrication, manufacturing, shipbuilding, construction, electric power generation and similar industrial establishments. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- boiler fitter
- boiler installer
- boilermaker
- boilermaker apprentice
- construction boilermaker
- industrial boilermaker
- marine boilermaker
- pressure vessel fabricator

#### *Exclusion(s)*

- Ironworkers (72105)
- Structural metal and platework fabricators and fitters (72104)
- Welders and related machine operators (72106)

#### *Main duties*

This group performs some or all of the following duties:

- Read blueprints or specifications to plan sequence of operation
- Lay out plate, sheet steel or other heavy metal and mark bending and cutting lines on work piece using protractors, compasses and drawing instruments or templates
- Set up and operate heavy-metal working machines such as brakes, rolls, shears, flame cutters and drill presses to cut, shape and form metal into parts or sections
- Fit and weld metal parts or sections together to fabricate boilers, vessels, tanks, heat exchangers, piping and other heavy-metal products
- Erect and install boilers and other heavy-metal products according to specifications using hand and power tools
- Repair and perform maintenance work on boilers and other heavy-metal products
- Direct activities of hoist or crane operators and other workers during fabrication, assembly, installation or repair of structures

- Test finished structures using a variety of methods.

Boilermakers may specialize in rigging and hoisting, preparation and layout, or welding aspects of the trade.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in boilermaking is usually required to be eligible for trade certification.
- Trade certification is compulsory in Nova Scotia, Quebec and Alberta and available, but voluntary, in all other provinces.
- Red Seal endorsement is also available, in all provinces, to qualified boilermakers upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **72104 Structural metal and platework fabricators and fitters**

Structural metal and platework fabricators and fitters fabricate, assemble, fit and install steel or other metal components for buildings, bridges, tanks, towers, boilers, pressure vessels and other similar structures and products. They are employed in structural steel, boiler and platework fabrication plants and by heavy machinery manufacturing and shipbuilding companies. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- metal fabricator
- plater
- platework fitter
- shipfitter
- shipfitter apprentice
- steel fabricator
- structural steel fitter

#### *Exclusion(s)*

- Boilermakers (72103)
- Metalworking and forging machine operators (94105)
- Platework fabricator supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Structural metal fitter supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Structural steel erector (See 72105-Ironworkers)
- Welders and related machine operators (72106)

*Main duties*

This group performs some or all of the following duties:

- Study engineering drawings and blueprints, determine the materials required, and plan the sequence of tasks to cut metal most efficiently
- Construct patterns and templates as guides for layouts
- Lay out reference points and patterns on heavy metal according to component specifications
- Rig, hoist and move materials to storage areas or within worksite
- Assemble and fit metal sections and plates to form complete units or subunits using tack welding, bolting, riveting or other methods
- Set up and operate various heavy-duty metal-working machines such as brake presses, shears, cutting torches, grinders and drills, including computer numerical control (CNC) equipment, to bend, cut, form, punch, drill or otherwise form heavy-metal components
- Install fabricated components in final product.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some college or industry courses in structural steel and platework fabrication is usually required to be eligible for trade certification.
- Trade certification for metal fabricators (fitters) is available, but voluntary, in all provinces.
- Trade certification for marine technicians is available, but voluntary, in Nova Scotia and British Columbia.
- Trade certification for piledriver and bridgeworker is available in British Columbia.
- Trade certification for boiler and related equipment assemblers and structural metal fabricators (non-construction) is available, but voluntary, in Quebec.
- Red Seal endorsement is also available to qualified metal fabricators (fitters) upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Some structural metal and platework fabricators and fitters may also be certified as skilled welders.
- Progression to supervisory positions is possible with experience.

**72105 Ironworkers**

Ironworkers fabricate, erect, hoist, install, repair and service structural ironwork, precast concrete, concrete reinforcing materials, curtain walls, ornamental iron and other metals used in the construction of buildings, bridges, highways, dams and other structures and equipment. They are employed by construction ironwork contractors. Apprentices are also included in this unit group.

*Illustrative example(s)*

- ironworker
- ironworker - metal building systems erector
- ironworker apprentice
- ornamental ironworker

- reinforcing ironworker
- structural steel erector

#### *Exclusion(s)*

- Boilermakers (72103)
- Ironwork supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Metal fitters foreman/woman (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Structural metal and platework fabricators and fitters (72104)

#### *Main duties*

This group performs some or all of the following duties:

- Read blueprints and specifications to lay out work
- Unload and position steel units so each piece can be hoisted as needed
- Erect and install scaffolding, hoisting equipment and rigging
- Signal crane operator to position steel units according to blueprints
- Align and weld or bolt steel units in place
- Erect structural and architectural precast concrete components for buildings, bridges, towers and other structures
- Assemble and erect prefabricated metal structures
- Position and secure steel bars or metal mesh in concrete forms to reinforce concrete structures
- Install ornamental and other structural metalwork such as curtain walls, metal stairways, railings and power doors
- Examine structures and equipment for deterioration, defects or non-compliance with specifications
- May dismantle structures and equipment.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- to three-year apprenticeship program  
or  
Over three years of work experience in the trade and some high school, college or industry courses in ironworking are usually required to be eligible for trade certification.
- Trade certification for ironworker (generalist) is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba and British Columbia.
- Trade certification for ironworker (reinforcing) is compulsory in Quebec and Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan and British Columbia.
- Trade certification for ironworker (structural/ornamental) is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan and British Columbia.
- Trade certification for ironworker (metal building systems erector) is compulsory in Alberta.
- Red Seal endorsement is also available to qualified ironworkers upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

**72106 Welders and related machine operators**

Welders operate welding equipment to weld ferrous and non-ferrous metals. This unit group also includes machine operators who operate previously set up production welding, brazing and soldering equipment. They are employed by companies that manufacture structural steel and platework, boilers, heavy machinery, aircraft and ships and other metal products, and by welding contractors and welding shops, or they may be self-employed. Apprentices are also included in this unit group.

*Illustrative example(s)*

- aviation welding technician
- brazing machine operator
- brazing machine setter
- electric arc welder
- journeyman/woman welder
- laser welding operator
- pressure vessel welder
- production welder
- soldering machine operator
- spot welder
- submerged arc welder
- welder
- welder apprentice
- welder-fitter

*Exclusion(s)*

- Wave soldering machine operator (See 94201-Electronics assemblers, fabricators, inspectors and testers)
- Weld tester (See 22230-Non-destructive testers and inspectors)
- Welder supervisor (See 72010-Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Welding technologist (See 22101-Geological and mineral technologists and technicians)

*Main duties*

This group performs some or all of the following duties:

*Welders*

- Read and interpret blueprints or welding process specifications
- Operate manual or semi-automatic welding equipment to fuse metal segments using processes such as gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), flux-cored arc welding (FCAW), plasma arc welding (PAW), shielded metal arc welding (SMAW), oxy-acetylene welding (OAW), resistance welding and submerged arc welding (SAW)
- Operate manual or semi-automatic flame-cutting equipment

- Operate brazing and soldering equipment
- Operate metal shaping machines such as brakes, shears and other metal straightening and bending machines
- Repair worn parts of metal products by welding on extra layers.

Welders may specialize in certain types of welding such as custom fabrication, ship building and repair, aerospace precision welding, pressure vessel welding, pipeline construction welding, structural construction welding, or machinery and equipment repair welding.

#### Welding, brazing and soldering machine operators

- Operate previously set up welding machines such as spot, butt and seam resistance or gas and arc welding machines to fabricate or repair metal parts
- Operate previously set up brazing or soldering machines to bond metal parts or to fill holes, indentations and seams of metal articles with solder
- Start up, shut down, adjust and monitor robotic welding production line
- Assist with the maintenance and repair of welding, brazing and soldering equipment
- May adjust welding heads and tooling according to work specifications.

#### *Employment requirements*

##### Welders

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program  
or  
A combination of over three years of work experience in the trade and some college or industry courses in welding is usually required to be eligible for trade certification.
- Trade certification is compulsory in Alberta and available, but voluntary, in all other provinces and the territories.
- Red Seal endorsement is also available to qualified welders upon successful completion of the interprovincial Red Seal examination.

##### Welding, brazing and soldering machine operators

- Some secondary school education is required.
- Several months of on-the-job training are usually provided.
- Experience as a machine operator helper may be required.
- Experience with robotics may be required.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **722 Technical electrical trades**

This sub-major group comprises technical electrical trades, including electricians (except industrial and power system); industrial electricians; power system electricians; electrical power line and cable workers; telecommunications line and cable installers and repairers; and telecommunications equipment installation and cable television service technicians.

## 7220 Technical electrical trades and electrical power line and telecommunications workers

This minor group comprises technical electrical trades, including electricians (except industrial and power system); industrial electricians; power system electricians; electrical power line and cable workers; telecommunications line and cable installers and repairers; and telecommunications equipment installation and cable television service technicians. They are employed by electrical contractors; maintenance departments of buildings, factories, plants, mines, shipyards and other industrial establishments; electric power generation, transmission and distribution companies and public utility commissions; cable and satellite television companies; and by telephone and other telecommunications services establishments; or they may be self-employed.

### 72200 Electricians (except industrial and power system)

Electricians (except industrial and power system) lay out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures. They are employed by electrical contractors and maintenance departments of buildings and other establishments, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- apprentice electrician
- construction electrician
- construction electrician apprentice
- domestic and rural electrician
- electrician

#### *Exclusion(s)*

- Electrical mechanics (72422)
- Electricians supervisor (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)
- Industrial electricians (72201)
- Power system electricians (72202)

#### *Main duties*

This group performs some or all of the following duties:

- Read and interpret drawings, circuit diagrams and electrical code specifications to determine wiring layouts for new or existing installations
- Pull wire through conduits and through holes in walls and floors
- Install brackets and hangers to support electrical equipment
- Install, replace and repair lighting fixtures and electrical control and distribution equipment, such as switches, relays and circuit breaker panels
- Splice, join and connect wire to fixtures and components to form circuits
- Test continuity of circuits using test equipment to ensure compatibility and safety of system, following installation, replacement or repair
- Troubleshoot and isolate faults in electrical and electronic systems and remove and replace faulty components
- Connect electrical power to audio and visual communication equipment, signalling devices and heating and cooling systems
- Conduct preventive maintenance programs and keep maintenance records.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program is usually required.
- Trade certification for construction electricians is compulsory in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta and available, but voluntary, in British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Trade certification for electricians (domestic and rural) is compulsory in Newfoundland and Labrador and Ontario.
- Trade certification for electrical control (machine) builders is available, but voluntary, in Ontario.
- Red Seal endorsement is also available to qualified construction electricians upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **72201 Industrial electricians**

Industrial electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. They are employed by electrical contractors and maintenance departments of factories, plants, mines, shipyards and other industrial establishments. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- industrial electrician
- industrial electrician apprentice
- marine electrician
- mill electrician
- mine electrician
- plant electrician
- plant maintenance electrician
- shipyard electrician

### *Exclusion(s)*

- Construction electrician (See 72200-Electricians (except industrial and power system))
- Industrial electricians supervisor (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)
- Power system electricians (72202)

### *Main duties*

This group performs some or all of the following duties:

- Read and interpret drawings, blueprints, schematics and electrical code specifications to determine layout of industrial electrical equipment installations
- Install, examine, replace or repair electrical wiring, receptacles, switch boxes, conduits, feeders, fibre-optic and coaxial cable assemblies, lighting fixtures and other electrical components



- Test electrical and electronic equipment and components for continuity, current, voltage and resistance
- Maintain, repair, install and test switchgear, transformers, switchboard meters, regulators and reactors
- Maintain, repair, test and install electrical motors, generators, alternators, industrial storage batteries and hydraulic and pneumatic electrical control systems
- Troubleshoot, maintain and repair industrial, electrical and electronic control systems and other related devices
- Conduct preventive maintenance programs and keep maintenance records
- May install, maintain and calibrate industrial instrumentation and related devices.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four- or five-year industrial electrician apprenticeship program  
or  
A combination of over five years of work experience in the trade and some high school, college or industry courses in industrial electrical equipment is usually required to be eligible for trade certification.
- Trade certification for industrial electricians is compulsory in Prince Edward Island, Quebec and Manitoba and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, New Brunswick, Ontario, British Columbia and the Yukon.
- Additional construction electrician certification may be required for industrial electricians when the employers are not owners of the industrial electrical equipment.
- Red Seal endorsement is also available to qualified industrial electricians upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **72202 Power system electricians**

Power system electricians install, maintain, test and repair electrical power generation, transmission and distribution system equipment and apparatus. They are employed by electric power generation, transmission and distribution companies. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice power system electrician
- power electrician
- power station electrician
- power system electrician

### *Exclusion(s)*

- Electrical mechanics (72422)
- Electrical power line and cable workers (72203)
- Electricians (except industrial and power system) (72200)
- Industrial electricians (72201)

- Power system electrician foreman/woman (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)
- Power systems electricians supervisor (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)

### *Main duties*

This group performs some or all of the following duties:

- Install and maintain electrical power distribution equipment such as transformers, generators, voltage regulators, switches, circuit breakers, capacitors, inductors, and supervisory control and data acquisition (SCADA) systems
- Install and maintain electrical equipment and apparatus in generating stations or powerhouses
- Inspect and test installed electrical equipment and apparatus to locate electrical faults and check their operation, using volt meters, ammeters and other electrical test instruments and equipment
- Repair or replace faulty electrical equipment and apparatus
- Complete test and maintenance reports.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program for power system electricians  
or  
A combination of over four years of work experience in the trade and some college or industry courses in electrical technology is usually required.
- Trade certification is available, but voluntary, in Manitoba, Alberta, the Yukon, the Northwest Territories and Nunavut.

### *Additional information*

- Progression to supervisory positions is possible with experience.

## **72203 Electrical power line and cable workers**

Electrical power line and cable workers construct, maintain and repair overhead and underground electrical power transmission and distribution systems. They are employed by electric power generation, transmission and distribution companies, electrical contractors and public utility commissions. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice lineman/woman - electric power systems
- cable installer - electrical power
- cable splicer - electrical power
- construction lineman/woman - electrical power line
- power line patroller
- power lineman/woman
- powerline technician

*Exclusion(s)*

- Line and cable workers supervisor (See 72011-Contractors and supervisors, electrical trades and telecommunications occupations)
- Power system electricians (72202)
- Telecommunications line and cable installers and repairers (72204)

*Main duties*

This group performs some or all of the following duties:

- Install, maintain, troubleshoot and repair electrical distribution and transmission systems including overhead and underground power lines and cables, insulators, conductors, lightning arrestors, switches, transformers and other associated equipment
- Erect and maintain steel, wood or concrete poles, towers and guy wires
- Splice, solder and insulate conductors and related wiring to connect power distribution and transmission networks using splicing tools, related electrical equipment and tools
- Inspect and test overhead and underground power lines and cables and auxiliary equipment using electrical test equipment
- Climb ladders or operate hydraulic buckets when working aloft on poles and towers, or work in confined spaces such as trenches and tunnels to install power lines and cables and associated equipment
- Install and maintain street lighting systems
- Communicate with other workers to coordinate the preparation and completion of work assignments.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a provincial three- or four-year lineman/woman apprenticeship program or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in electrical technology is usually required for electrical power line and cable workers.
- Trade certification for powerline technicians is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Trade certification for powerline technicians (construction) is available, but voluntary, in Newfoundland and Labrador.
- Trade certification for distribution construction linemen/women is available, but voluntary, in New Brunswick.
- Red Seal endorsement is also available to qualified powerline technicians upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

**72204 Telecommunications line and cable installers and repairers**

Telecommunications line and cable installers and repairers install, repair and maintain telecommunication lines and cables, cable television transmission and distribution systems and associated hardware. They are employed by cable television, telephone and other telecommunications service companies. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice lineman/woman - telecommunications
- cable television installation technician
- cable television maintenance technician
- communication technician - construction
- construction technician - cable television
- telecommunication cable repairer
- telecommunications line installer
- telecommunications lineman/woman
- telephone line technician

### *Exclusion(s)*

- Contractors and supervisors, electrical trades and telecommunications occupations (72011)
- Electrical power line and cable workers (72203)
- Telecommunications equipment installation and cable television service technicians (72205)

### *Main duties*

This group performs some or all of the following duties:

- Install, remove, maintain and repair aerial and underground telephone, coaxial and fibre optic cable television, and other telecommunication transmission and distribution lines, cables and associated hardware
- Splice and repair various types and sizes of telephone and other telecommunication cables including single line, coaxial and fibre optic
- Repair or replace faulty cables, power supplies, amplifiers and other associated transmission and distribution equipment
- Inspect, monitor, test and adjust telecommunication transmission lines and cables and distribution systems
- Analyze and record test results
- Climb and work aloft on poles, ladders or other support structures or work in confined spaces such as trenches, tunnels and crawl spaces
- Communicate with other workers to coordinate the preparation and completion of work assignments
- Assist in the erection and removal of telecommunication poles, towers and associated support structures
- May operate excavation machinery and other heavy equipment.

### *Employment requirements*

- Completion of secondary school is required.
- For telecommunication line and cable installers and repairers, completion of a four-year telecommunications line and cable apprenticeship program  
or  
A combination of over three years work experience in the trade and some industry- related or other specialized courses  
or  
Completion of a two-year college program in electronics is usually required.

- For cable television maintenance technicians, completion of a college program in electronics or  
A combination of college, correspondence or industry courses related to electronics and electrical systems and on-the-job training  
or  
Completion of a four-year cable television technician apprenticeship program is required.
- Trade certification for network cabling specialists is available, but voluntary, in Ontario.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

### **72205 Telecommunications equipment installation and cable television service technicians**

Telecommunications equipment installation and cable television service technicians install, test, maintain and repair cable and satellite television, internet signal and associate equipment, telephones, telephone switching equipment and other telecommunications equipment related to transmission and processing of voice, video signals and other data over a variety of media including fibre optics, microwave, radio and satellite. They are employed by cable and satellite television, telephone and other telecommunications transmission service companies. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- apprentice communication electrician - switching
- cable television service technician
- cablevision servicer
- cellular telephone technician
- direct broadcast satellite (DBS) technician - cable television
- exchange tester - telecommunications
- mobile radio installer - telecommunications
- private branch exchange (PBX) installer - telecommunications
- switch network installer and repairer - telecommunications
- switch network installer and repairwoman - telecommunications
- telecommunications equipment technician
- telephone communication technician
- telephone installer
- telephone line and station installer

#### *Exclusion(s)*

- Contractors and supervisors, electrical trades and telecommunications occupations (72011)
- Electronic service technicians (household and business equipment) (22311)
- Telecommunications line and cable installers and repairers (72204)

### *Main duties*

This group performs some or all of the following duties:

#### Telephone installers and repairers

- Install, arrange, remove and maintain telephone equipment, wiring and associated hardware
- Test installed telephone systems to locate transmission faults
- Repair or replace defective and damaged telephones, wire and associated equipment.

#### Switch network installers and repairers

- Install electromechanical, analog and digital trunking systems, circuits and equipment in telecommunications central offices and switching centres
- Inspect and test trunking systems, circuits and equipment
- Analyze test results and adjust, change or repair switching system, network, associated equipment and software.

#### Telecommunications service testers

- Operate computerized testing systems to conduct service tests on customer lines and equipment
- Determine the nature, cause and location of service trouble
- Dispatch appropriate repair personnel
- Complete test reports and maintain test and service records
- May assist repair personnel to test lines, circuits and systems, isolate and clear cable faults and verify records.

#### Telecommunications equipment technicians

- Install, remove and maintain various telecommunications equipment and related systems such as telex and facsimile machines, teletypewriters, mobile radios, cellular telephones, pagers and other telecommunications equipment
- Configure operating systems and install software for access to the Internet
- Inspect and test operation of telecommunications equipment
- Diagnose and locate equipment faults, and adjust, replace or repair telecommunications equipment.

#### Cable television service technicians

- Communicate with subscribers and company personnel to determine work assignments
- Connect, disconnect and relocate cable outlets, install splitters, converters, decoders, terminals, digital boxes and satellite equipment, and install other cable or wireless modems, routers and software to enable Internet access at subscriber's premises
- Inspect, test and repair cable and satellite television signals and associated equipment at subscriber's premises.

### *Employment requirements*

- Completion of secondary school is required.
- Telephone and switch network installers and repairers require completion of an apprenticeship program ranging from three to four years,  
or  
A combination of over three years work experience in the trade and some high school, college or industry related courses.

- Cable television service technicians require completion of a college program in electronics or  
A combination of college, correspondence or industry courses related to electronics and electrical systems and on-the-job training  
or  
Completion of a four-year cable television technician apprenticeship program is required.
- Telecommunications equipment technicians usually require completion of a college electrical and electronics program and several months of on-the-job training or completion of a three- or four-year apprenticeship training program.
- Trade certification for communication technicians is available, but voluntary, in Nova Scotia, Alberta, British Columbia, the Northwest Territories and Nunavut.
- Experience as an installer and repairer (telephone and switch network) is usually required for service testers.

#### *Additional information*

- Progression to supervisory positions for cable television service technician is possible with experience.

## **723 Technical construction trades**

This sub-major group comprises technical construction trades, including plumbers, pipefitters and gas fitters; carpenters and cabinetmakers; and bricklayers and Insulators.

### **7230 Plumbers, pipefitters and gas fitters**

This minor group comprises plumbers, steamfitters, pipefitters, sprinkler system installers, and gas fitters. They are employed by plumbing contractors; maintenance departments of factories, plants and similar establishments; pipefitting and sprinkler system contractors; and gas utility and gas servicing companies; or they may be self-employed.

#### **72300 Plumbers**

Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings. They are employed in maintenance departments of factories, plants and similar establishments, by plumbing contractors, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- maintenance plumber
- plumber
- plumber apprentice
- plumbing mechanic

#### *Exclusion(s)*

- Gas fitters (72302)
- Plumbers supervisor (See 72012-Contractors and supervisors, pipefitting trades)
- Steamfitters, pipefitters and sprinkler system installers (72301)

### *Main duties*

This group performs some or all of the following duties:

- Read blueprints, drawings and specifications to determine layout of plumbing system, water supply network and waste and drainage systems
- Install, repair and maintain domestic, commercial or industrial plumbing fixtures and systems
- Locate and mark positions for pipe connections, passage holes and fixtures in walls and floors
- Cut opening in walls and floors to accommodate pipe and pipe fittings
- Measure, cut, bend and thread pipes using hand and power tools or machines
- Join pipes using couplings, clamps, screws, bolts, cement or soldering, brazing and welding equipment
- Test pipes for leaks using air and water pressure gauges
- May prepare cost estimates.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program or  
A combination of over five years of work experience in the trade and some high school, college or industry courses in plumbing is usually required to be eligible for trade certification.
- Trade certification is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Saskatchewan and Alberta and available, but voluntary, in Newfoundland and Labrador, Manitoba, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified plumbers upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **72301 Steamfitters, pipefitters and sprinkler system installers**

Steamfitters and pipefitters lay out, assemble, fabricate, maintain, troubleshoot and repair piping systems carrying water, steam, chemicals and fuel in heating, cooling, lubricating and other process piping systems. Sprinkler system installers fabricate, install, test, maintain and repair water, foam, carbon dioxide and dry chemical sprinkler systems in buildings for fire protection purposes. Steamfitters, pipefitters and sprinkler system installers are employed in maintenance departments of factories, plants and similar establishments, and by pipefitting and sprinkler system contractors, or they may be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice pipefitter-steamfitter
- fire protection mechanic
- fire sprinkler fitter
- marine pipefitter
- pipefitter
- sprinkler system fitter
- sprinkler system installer



- steamfitter
- steamfitter-pipefitter

### *Exclusion(s)*

- Gas fitters (72302)
- Pipefitters supervisor (See 72012-Contractors and supervisors, pipefitting trades)
- Plumbers (72300)
- Residential and commercial installers and servicers (73200)
- Sprinkler system installers supervisor (See 72012-Contractors and supervisors, pipefitting trades)
- Steamfitters supervisor (See 72012-Contractors and supervisors, pipefitting trades)

### *Main duties*

This group performs some or all of the following duties:

#### Steamfitters and pipefitters

- Read and interpret drawings, blueprints and specifications to determine layout requirements
- Cut openings for pipe in walls, floors and ceilings using hand or power tools or machines
- Select type and size of pipe required
- Measure, cut, thread and bend pipe to required shape using hand and power tools
- Weld, braze, cement, solder and thread joints to join pipes and fabricate sections of piping system
- Install supports, valves, piping and control systems
- Test system for leaks using testing equipment
- Clean and maintain pipe units and fittings and flush system
- Remove and replace worn components and reactivate system
- May prepare cost estimates for clients.

#### Sprinkler system installers

- Read and interpret drawings, specifications and fire codes to determine layout requirements
- Install clamps, brackets and hangers to support piping system and sprinkler and fire protection equipment, using hand and power tools
- Select, measure, cut, ream and thread pipe, install sprinkler heads and mount prepared pipe in supports
- Join pipes and piping sections using soldering and welding equipment
- Connect piping system to water mains, supply tanks, pumps, compressors and control equipment
- Installs valves, alarms and associated equipment
- Test system for leaks using air or liquid pressure equipment
- Service and repair sprinkler system
- May prepare cost estimates for clients.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program  
or

A combination of over five years of work experience in the trade and some high school, college or industry courses in steamfitting, pipefitting or sprinkler system installation is usually required to be eligible for trade certification.

- Steamfitter-pipefitter trade certification is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba and Alberta and available, but voluntary, in all other provinces and the territories.
- Steamfitter-pipefitter (non-construction) trade certification is compulsory in Quebec.
- Sprinkler system installer trade certification is compulsory in Nova Scotia, New Brunswick, Quebec and Manitoba and available, but voluntary, in all other provinces and the territories.
- Sprinkler system installer (non-construction) trade certification is compulsory in Quebec.
- Red Seal endorsement is also available to qualified steamfitters-pipefitters and sprinkler system installers upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **72302 Gas fitters**

Gas fitters install, inspect, repair and maintain gas lines and gas equipment such as meters, regulators and heating units in residential, commercial and industrial establishments. They are employed by gas utility companies and gas servicing companies. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- gas fitter
- gas fitter apprentice
- gas servicer
- gas technician
- industrial gas fitter-tester

#### *Exclusion(s)*

- Appliance servicers and repairers (72421)
- Gas fitters supervisor (See 72012-Contractors and supervisors, pipefitting trades)
- Plumbers (72300)
- Steamfitters, pipefitters and sprinkler system installers (72301)

#### *Main duties*

This group performs some or all of the following duties:

- Study drawings and specifications to determine the layout of the installation and materials required
- Measure and mark reference points for installation of gas lines and equipment
- Install and maintain gas meters and regulators and gas lines between gas unit and gas meter
- Install, maintain and service gas heating units and their components, such as burners, valves and automatic controls
- Test and replace defective equipment or components
- Test and adjust control mechanisms and check pipes and piping connections for gas leaks using gas detecting devices
- Attend to gas escape calls and assist in the investigation of gas fires and explosions
- Prepare reports on work performed and condition of facilities

- Advise clients regarding standards, safety features and maintenance of gas units and systems
- Convert motor vehicles or appliances to use natural gas fuels
- May repair and service gas appliances and related equipment.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- or three-year gas fitter apprenticeship program  
or  
Several years of work experience in a pipefitting trade and completion of a high school, college or industry gas fitter program are required.
- Gas fitter trade certification is compulsory in Nova Scotia, Quebec, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- A provincial gas fitter licence is usually required.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

## **7231 Carpenters and cabinetmakers**

This minor group comprises carpenters and cabinetmakers. They are employed by construction companies; carpentry and cabinetmaking contractors; maintenance departments of factories, plants and other establishments; and furniture manufacturing and repair companies; or they may be self-employed.

### **72310 Carpenters**

Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes, lightweight steel and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, plants and other establishments, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- apprentice carpenter
- carpenter
- carpenter-joiner
- finish carpenter
- journeyman/woman carpenter
- maintenance carpenter
- metal framer - carpentry
- renovation carpenter
- rough carpenter
- stair builder-carpenter

#### *Inclusion(s)*

- log home builder

### *Exclusion(s)*

- Cabinetmakers (72311)
- Carpenter supervisor (See 72013-Contractors and supervisors, carpentry trades)
- Woodworking machine operators (94124)

### *Main duties*

This group performs some or all of the following duties:

- Read and interpret blueprints, drawings and sketches to determine specifications and calculate requirements
- Prepare layouts in conformance to building codes, using measuring tools
- Measure, cut, shape, assemble and join materials made of wood, wood substitutes, lightweight steel and other materials
- Build foundations, install floor beams, lay subflooring and erect walls and roof systems
- Fit and install trim items, such as doors, stairs, moulding and hardware
- Maintain, repair and renovate residences and wooden structures in mills, mines, hospitals, industrial plants and other establishments
- Supervise apprentices and other construction workers
- May prepare cost estimates for clients.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in carpentry is usually required to be eligible for trade certification.
- Trade certification for carpenters is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Trade certification for framers is available, but voluntary, in Saskatchewan.
- Red Seal endorsement is also available to qualified carpenters upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **72311 Cabinetmakers**

Cabinetmakers use a variety of woods and laminates to construct and repair wooden cabinets, furniture, fixtures and related products. They are employed by furniture manufacturing or repair companies, construction companies and cabinetmaking contractors, or they may be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- cabinetmaker
- cabinetmaker apprentice

- custom wood furniture maker
- furniture cabinetmaker

#### *Exclusion(s)*

- Cabinetmakers foreman/woman (See 72013-Contractors and supervisors, carpentry trades)
- Carpenters (72310)
- Woodworking machine operators (94124)

#### *Main duties*

This group performs some or all of the following duties:

- Study plans, specifications or drawings of articles to be made, or prepare specifications
- Mark outlines or dimensions of parts on wood
- Operate woodworking machines, such as power saws, jointers, mortisers and shapers, and use hand tools to cut, shape and form parts and components
- Trim joints and fit parts and subassemblies together to form complete unit using glue and clamps and reinforce joints using nails, screws or other fasteners
- Sand wooden surfaces and apply veneer, stain or polish to finished products
- Repair or restyle wooden furniture, fixtures and related products
- May estimate amount, type and cost of materials required.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some high school or college courses in cabinetmaking is usually required to be eligible for trade certification.
- Trade certification is available, but voluntary, in all provinces and territories.
- Red Seal endorsement is also available to qualified cabinetmakers upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **7232 Bricklayers and insulators**

This minor group comprises bricklayers and insulators. They are employed by construction companies and bricklaying contractors; or they may be self-employed.

### **72320 Bricklayers**

Bricklayers lay bricks, concrete blocks, stone and other similar materials to construct or repair walls, arches, chimneys, fireplaces and other structures in accordance with blueprints and specifications. They are employed by construction companies and bricklaying contractors or they may be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice bricklayer
- bricklayer
- brickmason
- refractory bricklayer
- stonecutter
- stonemason

### *Exclusion(s)*

- Bricklayer supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)
- Concrete finishers (73100)
- Tilesetters (73101)

### *Main duties*

This group performs some or all of the following duties:

- Read sketches and blueprints to calculate materials required
- Cut and trim bricks and concrete blocks to specification using hand and power tools
- Prepare and lay bricks, concrete blocks, stone, structural tiles and similar materials to construct or repair walls, foundations and other structures in residential, industrial and commercial construction
- Lay bricks or other masonry units to build residential or commercial chimneys and fireplaces
- Lay radial bricks to build masonry shells of industrial chimneys
- Lay or install firebricks to line industrial chimneys and smokestacks
- Line or reline furnaces, kilns, boilers and similar installations using refractory or acid-resistant bricks, refractory concretes, plastic refractories and other materials
- Lay bricks, stone or similar materials to provide veneer facing to walls or other surfaces
- Construct and install prefabricated masonry units
- Lay bricks or other masonry units to build patios, garden walls and other decorative installations
- May restore, clean or paint existing masonry structures.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in bricklaying is usually required to be eligible for trade certification.
- Trade certification for bricklayers is compulsory in Nova Scotia, New Brunswick and Quebec and available, but voluntary, in all other provinces and the Yukon.
- Trade certification for stonemasons is available, but voluntary, in Newfoundland and Labrador.
- Trade certification for restoration stone masons is available, but voluntary, in Nova Scotia.
- Red Seal endorsement is also available to qualified bricklayers upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

**72321 Insulators**

Insulators apply insulation materials to plumbing, air-handling, heating, cooling and refrigeration systems, piping equipment and pressure vessels, and walls, floors and ceilings of buildings and other structures, to prevent or reduce the passage of heat, cold, sound or fire. They are employed by construction companies and insulation contractors, or they may be self-employed. Apprentices are also included in this unit group.

*Illustrative example(s)*

- boiler and pipe insulator
- building insulator
- firestopping insulator
- heat and frost insulator
- insulation applicator
- insulation mechanic
- insulator
- insulator apprentice
- sound insulator

*Exclusion(s)*

- Insulation supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)

*Main duties*

This group performs some or all of the following duties:

- Read and interpret drawings and specifications to determine insulation requirements and select type of insulation required
- Measure and cut insulating material to required dimensions using hand and power tools
- Apply and secure insulation using spraying, blowing, pasting, strapping, taping and other application and installation methods
- Fit insulation around obstructions and between studs and joists
- Install vapour barriers
- Apply waterproofing cement over insulating materials to finish surfaces
- Remove asbestos or urea-formaldehyde insulation from buildings when required.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in insulating is usually required to be eligible for trade certification.

- Trade certification for insulators (heat and frost) is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified insulators (heat and frost) upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **724 Technical maintenance trades**

This sub-major group comprises technical maintenance trades, including machinery and transportation equipment mechanics (except motor vehicles); automotive service technicians; and small motor, engine and equipment and their electrical components mechanics, and related repairers.

### **7240 Machinery and transportation equipment mechanics (except motor vehicles)**

This minor group comprises machinery and transportation equipment mechanics (except motor vehicles), including construction millwrights and industrial mechanics; heavy-duty equipment mechanics; heating, refrigeration and air conditioning mechanics; railway carmen/women; aircraft mechanics and aircraft inspectors; machine fitters; and elevator constructors and mechanics. They are employed by millwrighting contractors, manufacturing plants, utilities and other industrial establishments; heavy equipment dealers, rental and service establishments and companies that own and operate heavy equipment; refrigeration and air conditioning installation contractors, food wholesalers, engineering firms and retail and servicing establishments; railway transport companies and urban transit systems; aircraft manufacturing, maintenance, repair and overhaul establishments, and airlines and other aircraft operators; industrial machinery and transportation equipment manufacturing industries; and elevator construction and maintenance companies.

#### **72400 Construction millwrights and industrial mechanics**

Construction millwrights and industrial mechanics install, maintain, troubleshoot, overhaul and repair stationary industrial machinery and mechanical equipment. This unit group includes industrial textile machinery mechanics and repairers. Construction millwrights are employed by millwrighting contractors. Industrial mechanics are employed in manufacturing plants, utilities and other industrial establishments. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- card fixer
- card grinder
- construction millwright
- industrial mechanic
- industrial mechanic apprentice
- industrial sewing machine mechanic
- knitting machine mechanic
- loom fixer
- loom technician
- maintenance millwright
- millwright



- millwright apprentice
- open-end technician
- plant equipment mechanic
- spinning fixer
- textile fixer
- textile machine mechanic
- textile machinery fixer
- treatment plant maintenance mechanic

#### *Exclusion(s)*

- Heavy-duty equipment mechanics (72401)
- Industrial instrument technicians and mechanics (22312)
- Industrial mechanics supervisor (See 72020-Contractors and supervisors, mechanic trades)
- Millwright foreman/woman (See 72020-Contractors and supervisors, mechanic trades)

#### *Main duties*

This group performs some or all of the following duties:

##### Construction millwrights and industrial mechanics

- Read blueprints, diagrams and schematic drawings to determine work procedures
- Install, align, dismantle and move stationary industrial machinery and mechanical equipment, such as pumps, fans, tanks, conveyors, furnaces and generators according to layout plans using hand and power tools
- Operate hoisting and lifting devices such as cranes, jacks and tractors to position machinery and parts during the installation, set-up and repair of machinery
- Inspect and examine machinery and equipment to detect and investigate irregularities and malfunctions
- Install, troubleshoot and maintain power transmission, vacuum, hydraulic and pneumatic systems, and programmable logic controls
- Adjust machinery and repair or replace defective parts
- Operate machine tools such as lathes and grinders to fabricate parts required during overhaul, maintenance or set-up of machinery
- Clean, lubricate and perform other routine maintenance work on machinery
- Construct foundations for machinery or direct other workers to construct foundations
- Assemble machinery and equipment prior to installation using hand and power tools and welding equipment.

##### Textile machinery mechanics and repairers

- Apply mechanical repair principles and procedures to make sure that machinery runs properly
- Detect defects and excessive wear in machinery and identify slight differences in dimensions and shapes of component parts
- Repair and overhaul electrical and mechanical systems on textile machinery and replace and align moving parts as required
- Set-up and adjust complex machinery for new patterns and products

- Analyze information to perform maintenance such as cleaning and lubrication of textile machinery, troubleshooting, and to test running and proper operation of machines
- Confer with management to recommend equipment changes and modifications and in evaluating new equipment.

#### *Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- Completion of a three- to four-year apprenticeship program  
or  
A combination of over five years of work experience and industry courses in industrial machinery repair or millwrighting is usually required to be eligible for trade certification.
- Textile machinery mechanics hired from other industries may require additional training in textile processes and experience as a textile manufacturing machinery operator.
- Industrial mechanic (millwright) trade certification is available, but voluntary, in all provinces and territories.
- Construction millwright trade certification is available, but voluntary, in Quebec and Ontario.
- Industrial sewing machine mechanic trade certification is available, but voluntary, in Quebec.
- Red Seal endorsement is also available to qualified industrial mechanics or millwrights upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- Construction millwrights are mostly engaged in the initial installation of industrial plant machinery and equipment; industrial mechanics are more concerned with the post-installation maintenance and repair of machinery and equipment.
- Industrial mechanics and millwrights may be cross-trained in a second trade such as pipefitting, welding, machining or electrical maintenance.
- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **72401 Heavy-duty equipment mechanics**

Heavy-duty equipment mechanics repair, troubleshoot, adjust, overhaul and maintain mobile heavy-duty equipment used in construction, transportation, forestry, mining, oil and gas, material handling, landscaping, land clearing, farming and similar activities. They are employed by companies which own and operate heavy equipment, and by heavy equipment dealers, rental and service establishments, railway transport companies and urban transit systems. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- agricultural equipment technician
- construction equipment mechanic
- diesel mechanic - heavy equipment
- farm equipment mechanic
- heavy equipment mechanic
- heavy mobile logging equipment mechanic
- heavy mobile mining equipment mechanic
- heavy-duty equipment mechanic apprentice
- heavy-duty equipment technician

- locomotive mechanic
- tractor mechanic

#### *Exclusion(s)*

- Construction millwrights and industrial mechanics (72400)
- Heavy equipment mechanics supervisor (See 72020-Contractors and supervisors, mechanic trades)
- Motor vehicle diesel engine mechanic (See 72410-Automotive service technicians, truck and bus mechanics and mechanical repairers)

#### *Main duties*

This group performs some or all of the following duties:

- Check bulldozers, cranes, graders and other heavy construction, agricultural, logging and mining equipment for proper performance and inspect equipment to detect faults and malfunctions
- Diagnose faults or malfunctions using computerized and other testing equipment to determine extent of repair required
- Adjust equipment and repair or replace defective parts, components or systems, using hand and power tools
- Test repaired equipment for proper performance and to ensure that work meets manufacturers' specifications
- Clean, lubricate and perform other routine maintenance work on equipment
- Service attachments and working tools such as harvesting and tillage equipment, blades, ploughs, winches and side booms
- May perform repair work on heavy trucks
- May attach components and adjust new farm equipment.

Heavy-duty mechanics may specialize in specific types of machinery such as combines or tracked vehicles, or in engine overhaul, power shift transmissions, fuel injection, hydraulics or electronics.

#### *Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- Completion of a three- to five-year apprenticeship program  
or  
A combination of over four years of work experience and industry courses in heavy equipment repair is usually required to be eligible for trade certification.
- Heavy-duty equipment technician trade certification is compulsory in Quebec (only in the construction industry) and Alberta and available, but voluntary, in all other provinces and the territories.
- Agricultural equipment technician trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.
- Red Seal endorsement is also available to qualified heavy duty equipment technicians and agricultural equipment technicians upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## 72402 Heating, refrigeration and air conditioning mechanics

Heating, refrigeration and air conditioning mechanics install, maintain, repair and overhaul residential central air conditioning systems, commercial and industrial refrigeration and air conditioning systems and combined heating, ventilation and cooling systems. They are employed by heating, refrigeration and air conditioning installation contractors, various industrial settings, food wholesalers, engineering firms and retail and servicing establishments. Transport refrigeration mechanics are included in this unit group. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- central air conditioning mechanic
- commercial air conditioning mechanic
- heating and cooling mechanic
- heating, ventilation and air conditioning (HVAC) mechanic
- refrigeration and air conditioning mechanic apprentice
- refrigeration mechanic
- transport refrigeration mechanic

### *Exclusion(s)*

- Air conditioning and refrigeration mechanic foreman/woman (See 72020-Contractors and supervisors, mechanic trades)
- Domestic refrigerator repairer (See 72421-Appliance servicers and repairers)
- Domestic window air conditioner repairer (See 72421-Appliance servicers and repairers)

### *Main duties*

This group performs some or all of the following duties:

- Read and interpret blueprints, drawings or other specifications
- Measure and lay out reference points for installation
- Assemble and install refrigeration or air conditioning components such as motors, controls, gauges, valves, circulating pumps, condensers, humidifiers, evaporators and compressors using hand and power tools
- Measure and cut piping, and connect piping using welding and brazing equipment
- Install, troubleshoot and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems
- Start up system and test for leaks using testing devices
- Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing
- Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems
- May install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies
- May prepare work estimates for clients.

### *Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- Completion of a three- to five-year apprenticeship program  
or  
A combination of over five years of work experience and industry courses in refrigeration and air conditioning repair is usually required to be eligible for trade certification.

- Trade certification for refrigeration and air conditioning mechanics is compulsory in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta and available, but voluntary, in all other provinces and the territories.
- Trade certification for transport refrigeration mechanics is available, but voluntary, in New Brunswick and Alberta.
- Red Seal endorsement is also available to qualified refrigeration and air conditioning mechanics upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **72403 Railway carmen/women**

Railway carmen/women inspect, troubleshoot, maintain and repair structural and mechanical components of railway freight, passenger and urban transit rail cars. They are employed by railway transport companies and urban transit systems. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- rail vehicle mechanic
- railway car inspector
- railway carman/woman
- railway carman/woman apprentice
- streetcar and subway car mechanic

#### *Exclusion(s)*

- Locomotive mechanic (See 72401-Heavy-duty equipment mechanics)
- Railway car repairer foreman/woman (See 72020-Contractors and supervisors, mechanic trades)

#### *Main duties*

This group performs some or all of the following duties:

- Inspect interior and exterior components of freight, passenger and urban transit rail cars to determine defects and extent of wear and damage
- Repair and install railway car parts such as compressors, air valves, bearings, couplings, air cylinders and piping
- Repair and maintain electrical and electronic controls for propulsion and braking systems
- Repair defective or damaged metal and wood components, using hand and power tools
- Repair and repaint wooden fixtures
- Replace damaged windows and repair upholstery
- Test and adjust parts using testing gauges and other test equipment
- Perform and document routine maintenance.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of an industry-offered apprenticeship program or three to four years of on-the-job training is usually required.
- Trade certification is available, but voluntary, in Ontario, Manitoba and British Columbia.

### *Additional information*

- Progression to supervisory positions is possible with experience.

## **72404 Aircraft mechanics and aircraft inspectors**

Aircraft mechanics maintain, repair, overhaul, modify and test aircraft structural, mechanical and hydraulic systems. Aircraft inspectors inspect aircraft and aircraft systems following manufacture, modification, maintenance, repair or overhaul. Aircraft mechanics and aircraft inspectors are employed by aircraft manufacturing, maintenance, repair and overhaul establishments, and by airlines and other aircraft operators. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- aircraft gas turbine engine technician
- aircraft hydraulics mechanic
- aircraft inspector
- aircraft maintenance engineer (AME) (except avionics)
- aircraft mechanic
- aircraft repair and overhaul inspector
- aircraft repair shop inspector
- aircraft structural repair technician
- aircraft systems inspector
- aviation mechanical component shop technician
- certified aircraft technician
- flight test inspector

### *Exclusion(s)*

- Aircraft assemblers and aircraft assembly inspectors (93200)
- Aircraft engine assembly fitter (See 72405-Machine fitters)
- Aircraft instrument, electrical and avionics mechanics, technicians and inspectors (22313)
- Aircraft mechanics and inspectors foreman/woman (See 72020-Contractors and supervisors, mechanic trades)
- Airworthiness inspector (See 22231-Engineering inspectors and regulatory officers)
- Non-destructive test technician (See 22230-Non-destructive testers and inspectors)

*Main duties*

This group performs some or all of the following duties:

*Aircraft mechanics*

- Troubleshoot aircraft structural, mechanical or hydraulic systems to identify problems and adjust and repair systems according to specifications, technical drawings, manuals and established procedures
- Repair and overhaul aircraft structural, mechanical or hydraulic systems
- Install or modify aircraft engines and mechanical, hydraulic, flight control, fuel and pneumatic systems
- Dismantle airframes, aircraft engines or other aircraft systems for repair, overhaul and cleaning, and reassemble
- Perform and document routine maintenance
- Order and maintain inventory of parts and supplies.

Aircraft mechanics usually specialize in working on specific aircraft systems such as engines, engine accessories, airframes, propellers, mechanical components or hydraulic systems and specific kinds of aircraft, such as light aircraft, jet transports and helicopters.

*Aircraft inspectors*

- Inspect structural and mechanical systems of aircraft and ensure that these systems meet Transport Canada and company standards of performance and safety
- Inspect work of aircraft mechanics performing maintenance, repair and overhaul, or modification of aircraft and aircraft mechanical systems to ensure adherence to standards and procedures
- Maintain detailed repair, inspection and certification records of aircraft.

*Employment requirements*

- Completion of secondary school is required.
- A college diploma in aircraft maintenance or  
Completion of a four-year apprenticeship program is usually required.
- Several years of on-the-job training are required for aircraft mechanics.
- Aircraft mechanics and inspectors who sign maintenance releases and certify airworthiness require an Aircraft Maintenance Engineer's (AME) licence issued by Transport Canada.
- Trade certification for aircraft maintenance engineers is available, but voluntary, in Saskatchewan, the Northwest Territories and Nunavut.
- Trade certification for aircraft structural technicians is available, but voluntary, in British Columbia.
- Industry certification from the Canadian Aviation Maintenance Council for some occupations in this unit group is available, but voluntary.
- Aircraft inspectors require several years of experience as an aircraft mechanic.

*Additional information*

- Aircraft mechanics may progress to foreman/woman, shop supervisor or aircraft inspector.
- With experience, aircraft inspectors may progress to shop inspector or supervisor.
- Aircraft mechanics and inspectors may acquire further endorsements to their AME licence allowing them to inspect and certify a broader range of aircraft and aircraft systems.
- AME licences are issued in the following categories: M - Small and Large Aircraft, E - Electronic Systems, S - Aircraft Structures.

## 72405 Machine fitters

Machine fitters fit, assemble and otherwise build heavy industrial machinery and transportation equipment, including aircraft engines. They are employed in industrial machinery and transportation equipment manufacturing industries.

### *Illustrative example(s)*

- aircraft engine fitter
- assembly fitter
- heavy equipment fitter
- machine builder
- machine fitter
- machine tool builder
- mechanical fitter

### *Exclusion(s)*

- Aircraft assembler (See 93200-Aircraft assemblers and aircraft assembly inspectors)
- Assemblers, fabricators and inspectors, industrial electrical motors and transformers (94203)
- Machine fitters supervisor (See 72020-Contractors and supervisors, mechanic trades)
- Mechanical assemblers and inspectors (94204)
- Millwright (See 72400-Construction millwrights and industrial mechanics)
- Welders and related machine operators (72106)

### *Main duties*

This group performs some or all of the following duties:

- Read and interpret blueprints, sketches and diagrams to determine assembly operations
- Fit and assemble prefabricated metal parts to build heavy industrial machinery and equipment such as construction, farming, and processing machinery, railway vehicles and aircraft engines
- Move and align subassemblies and components using lifting and transporting devices such as overhead cranes
- Install major components such as gears, pumps, motors or hydraulic assemblies
- Inspect parts, subassemblies and finished products to ensure quality.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a mechanical apprenticeship program, such as millwrighting, machining, pipefitting, automotive service or heavy equipment repair or completion of a four-year machine fitter apprenticeship program or completion of five years of on-the-job training is usually required.
- Completion of a two- to three-year college program in aircraft manufacturing or general fabrication is required for aircraft engine fitters.
- Certification in a related trade may be required.

### *Additional information*

- Progression to supervisory positions is possible with experience.



## 72406 Elevator constructors and mechanics

Elevator constructors and mechanics assemble, install, maintain and repair freight and passenger elevators, escalators, moving walkways and other related equipment. They are employed by elevator construction and maintenance companies.

### *Illustrative example(s)*

- elevator constructor
- elevator mechanic
- elevator mechanic apprentice
- escalator repairer

### *Exclusion(s)*

- Elevator constructors foreman/woman (See 72020-Contractors and supervisors, mechanic trades)
- Elevator inspector (See 22231-Engineering inspectors and regulatory officers)
- Elevator mechanic foreman/woman (See 72020-Contractors and supervisors, mechanic trades)

### *Main duties*

This group performs some or all of the following duties:

- Read and interpret blueprints to determine layout of system components
- Perform preparatory construction work including steel work, wiring and piping
- Install elevators, escalators, moving walkways, dumbwaiters and related equipment according to specifications
- Connect car frames to counterweights with cables and assemble elevator cars
- Install and wire electric and electronic control system devices
- Install, test and adjust safety control devices
- Test operation of newly installed equipment
- Troubleshoot electrical or mechanical systems failures
- Disassemble defective units and repair or replace worn or suspect parts
- Adjust valves, ratchets, seals, brake linings and other components
- Carry out preventative maintenance programs to ensure public safety.

Elevator constructors and mechanics may specialize in construction, maintenance or repair.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in elevator construction or repair is usually required to be eligible for trade certification.
- Elevator constructor and mechanic trade certification is compulsory in Quebec and Alberta and available, but voluntary, in British Columbia, the Northwest Territories and Nunavut.

### *Additional information*

- Progression to supervisory positions is possible with experience.

## 7241 Automotive service technicians

This minor group comprises automotive service technicians, including automotive service technicians, truck and bus mechanics and mechanical repairers, and auto body collision, refinishing and glass technicians and damage repair estimators. They are employed by motor vehicle dealers, garages, truck and trailer dealerships and fleet maintenance companies; service stations, automotive specialty shops, transportation companies and retail establishments which have automotive service shops; automobile dealerships, body repair shops and appraisal centres; and motor vehicle manufacturers.

### 72410 Automotive service technicians, truck and bus mechanics and mechanical repairers

Automotive service technicians, truck and bus mechanics and mechanical repairers inspect, diagnose, repair and service mechanical, electrical and electronic systems and components of cars, buses, and light and commercial transport trucks. They are employed by motor vehicle dealers, garages, truck and trailer dealerships, fleet maintenance companies, and service stations, automotive specialty shops, transportation companies and retail establishments which have automotive service shops. This unit group also includes mechanical repairers who perform major repairs and replacement of mechanical units on newly assembled motor vehicles. They are employed by motor vehicle manufacturing companies. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- apprentice motor vehicle mechanic
- automobile mechanic
- automotive service technician
- brake systems mechanic
- bus mechanic
- mechanical upgrader - motor vehicle manufacturing
- motor repairer - motor vehicle manufacturing
- transmission mechanic
- truck and transport mechanic
- truck-trailer repairer
- tune-up specialist - motor vehicle

#### *Exclusion(s)*

- Auto body collision, refinishing and glass technicians and damage repair estimators (72411)
- Heavy-duty equipment mechanics (72401)
- Motor vehicle assemblers, inspectors and testers (94200)
- Motor vehicle mechanics supervisor (See 72020-Contractors and supervisors, mechanic trades)
- Recreation vehicle service technician (See 72423-Motorcycle, all-terrain vehicle and other related mechanics)
- Supervisors, motor vehicle assembling (92020)
- Truck trailer assembler (See 94204-Mechanical assemblers and inspectors)

#### *Main duties*

This group performs some or all of the following duties:

##### Automotive service technicians

- Review work orders and discuss work with supervisor

- Inspect motor in operation, road test motor vehicle, and test automotive systems and components using computerized diagnostic and other testing devices to diagnose and isolate faults
- Adjust, repair or replace parts and components of automotive systems including fuel system, brakes, steering and suspension, engine and drive train, emission control and exhaust, cooling and climate control, and electrical and electronic systems using hand tools and other specialized automotive repair equipment
- Test and adjust repaired systems to manufacturer's performance specifications
- Perform scheduled maintenance service, such as oil changes, lubrications and tune ups
- Advise customers on work performed, general vehicle condition and future repair requirements.

#### Mechanical repairers - motor vehicle manufacturing

- Inspect and test mechanical units, such as engines, transmissions, axles and brake systems, to locate faults and malfunctions
- Diagnose faults or malfunctions and confirm findings with supervisor to determine whether to repair or replace unit
- Repair or replace mechanical units or components using hand and power tools
- Test and adjust units to specifications for proper performance
- Complete reports to record problems and work performed.

#### Truck and transport and truck-trailer mechanics

- Adjust, repair or replace parts and components of commercial transport truck systems including chassis, frame, cab, body, engine and drive train, air brakes, steering, and fuel, hydraulic, electrical and electronic systems
- Adjust, repair or replace parts and components of truck-trailer systems including structural, brake and electrical systems.

Workers in this unit group may specialize in the following areas: engine and fuel systems, transmission systems, air conditioning, cooling and heating systems, steering, alignment, brakes, drive lines, suspension, electrical and electronic systems, truck-trailer repair or diagnostic services.

### *Employment requirements*

#### Automotive service technicians

- Completion of secondary school and training courses or a vocational program are usually required.
- Completion of a four-year automotive service technician apprenticeship program  
or  
A combination of over four years of work experience and industry courses in automotive technology is required to be eligible for trade certification.
- Trade certification for automotive service technicians is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Quebec, Manitoba, Saskatchewan, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Automotive service technician (transmission) trade certification is compulsory in Ontario.
- Automotive service technician (steering, suspension and brakes) trade certification is compulsory in New Brunswick and Ontario.
- Automotive service technician (service station mechanic) trade certification is compulsory in Nova Scotia and available, but voluntary, in Prince Edward Island.
- Red Seal endorsement is also available to qualified automotive service technicians upon successful completion of the interprovincial Red Seal examination.

**Mechanical repairers, motor vehicle manufacturing**

- Completion of secondary school and training courses or a vocational program are usually required.
- On-the-job training of two to three years is provided by employers.

**Truck and transport and truck-trailer mechanics**

- Completion of secondary school and training courses or a vocational program are usually required.
- Completion of a four-year truck and transport mechanic or truck-trailer repair apprenticeship or  
A combination of over four years of work experience and industry courses in truck or heavy duty equipment mechanics is required to be eligible for trade certification.
- Trade certification for truck and transport mechanics is compulsory in Nova Scotia, Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Quebec, Manitoba, Saskatchewan, British Columbia and the Yukon.
- Transport trailer technician trade certification is compulsory in Ontario and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, British Columbia and the Yukon.
- Red Seal endorsement is also available to qualified truck-trailer repairers and truck and transport mechanics upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- With additional training, mobility is possible between automobile and truck and transport mechanics.
- The Red Seal endorsement allows for interprovincial mobility.
- With experience, mechanics and technicians in this unit group may progress to supervisory positions.
- Mechanical repairers employed in motor vehicle manufacturing may progress to motor vehicle mechanic positions through an apprenticeship program, or with experience, they may progress to supervisory positions in motor vehicle manufacturing.

**72411 Auto body collision, refinishing and glass technicians and damage repair estimators**

Auto body collision, refinishing and glass technicians repair and restore damaged motor vehicle body parts and interior finishing; repaint body surfaces; repair and/or replace automotive glass and repair defective automobile body parts and damage to the bodies of newly assembled cars. Damage repair estimators assess the degree of damage to a vehicle and estimate the cost of parts and labour. They are employed by automobile dealerships, automobile body repair shops, automobile appraisal centres and by motor vehicle manufacturers. This unit group also includes metal repairers. Apprentices are also included in this unit group.

*Illustrative example(s)*

- auto body and collision technician
- auto body repairer
- automobile damage repair estimator
- automotive body mechanic
- automotive glass technician
- automotive painter - motor vehicle repair
- automotive painter apprentice
- metal finisher - motor vehicle manufacturing
- metal repairer - motor vehicle manufacturing

- motor vehicle body technician - truck
- painter - motor vehicle repair

#### *Exclusion(s)*

- Automotive service technicians, truck and bus mechanics and mechanical repairers (72410)
- Car painter - manufacturing (See 94213-Industrial painters, coaters and metal finishing process operators)
- Motor vehicle body repairers foreman/woman (See 72020-Contractors and supervisors, mechanic trades)
- Supervisors, motor vehicle assembling (92020)

#### *Main duties*

This group performs some or all of the following duties:

##### Auto body collision, refinishing and glass technicians

- Review damage report and estimates of repair cost and plan work to be performed
- Repair and replace front end components, body components, doors and frame and underbody components
- Hammer out dents, buckles and other defects using blocks and hammers
- Operate soldering equipment or use plastic filler to fill holes, dents and seams
- Remove damaged fenders, panels and grills using wrenches and cutting torch and bolt or weld replacement parts into place
- Straighten bent frames using frame and underbody pulling and anchoring equipment
- File, grind and sand repaired body surfaces using hand and power tools
- Mask and tape auto body surfaces in preparation for painting
- Mix paint, blend and match colours
- Apply primers and repaint surfaces using brush or spray guns
- Repair and replace glass components such as windshields, windows and sunroofs
- Repair or replace interior components, such as seat frame assembly, carpets and floorboard insulation
- Inspect repaired vehicles and test drive vehicles for proper handling.

##### Automobile damage repair estimator

- Inspect vehicle and estimate the costs and times for the repair and restoration of the vehicle
- Write report on damage and cost estimate
- Plan and coordinate work processes with the technicians
- Follow automobile industry safety norms and standards
- Provide customer service, such as answering all customer inquiries and explaining the complete repair process
- Follow up with insurance companies for claim related correspondence
- Order parts and material
- Maintain accurate documentation and obtain customer signatures
- Oversee final repairs for appearance and quality of work.

#### *Employment requirements*

##### Auto body and collision technicians

- Completion of secondary school is usually required.

- Completion of a three- to four-year auto body and collision damage technician apprenticeship program or a combination of over three years of work experience in the auto body and collision technician trade and completion of a professional or college automotive body repair program is usually required to be eligible for trade certification.
- Trade certification for auto body and collision technician is compulsory in Nova Scotia, Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Auto body repairer certification is compulsory in Ontario and Alberta and available, but voluntary, in the Yukon and the Northwest Territories.
- Red Seal endorsement is also available to qualified auto body and collision technician upon successful completion of the interprovincial Red Seal examination.

#### Automotive refinishing technicians

- Completion of secondary school is usually required.
- Completion of a two- to three-year automotive painter apprenticeship program or a combination of one year of work experience in the automotive refinishing technicians trade and completion of a high school or college automotive painting program is usually required for automotive refinishing technicians trade certification.
- Automotive refinishing technicians certification is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Saskatchewan, British Columbia, the Yukon and the Northwest Territories.
- Red Seal endorsement is also available to qualified automotive refinishing technicians upon successful completion of the interprovincial Red Seal examination.

#### Automotive glass technicians

- Completion of secondary school is usually required.
- Auto glass industry certification is usually required.
- Apprenticeship training and trade certification for automotive glass technicians is available, but voluntary, in Nova Scotia, Ontario and British Columbia.

#### Automobile damage repair estimator

- Completion of secondary school is usually required.
- A combination of two- to three-year of relevant automotive experience and education is usually required.

#### Metal repairers, motor vehicle manufacturing

- Completion of secondary school is usually required.
- One to two years of on-the-job training are provided.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- With experience, auto body, collision and refinishing technicians and tradespersons and automobile damage repair estimators may progress to supervisory positions.
- Metal repairers employed in motor vehicle manufacturing may progress to motor vehicle repairer positions through an apprenticeship program, or, with experience, they may progress to supervisory positions in motor vehicle manufacturing.

## 7242 Small engine and equipment mechanics and related repairers (including electrical components)

This minor group comprises small engine and equipment mechanics and related repairers, including oil and solid fuel heating mechanics; appliance servicers and repairers; electrical mechanics; motorcycle, all-terrain vehicle and other related mechanics; and other small engine and small equipment repairers. They are employed by heating systems installation and service companies; repair shops, appliance service companies and repair departments of retail and wholesale establishments; independent electrical repair shops, service shops of electrical equipment manufacturers and maintenance departments of manufacturing companies; service shops of motorcycle dealers and retailers; other dealer service shops; and independent service establishments; or they may be self-employed.

### 72420 Oil and solid fuel heating mechanics

Oil and solid fuel heating mechanics install and maintain oil, coal and wood heating systems in residential and commercial buildings. They are employed by heating systems installation and service companies. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- furnace installer and repairer (except gas)
- heating service mechanic
- heating systems technician
- oil burner installer
- oil burner mechanic
- oil burner mechanic apprentice
- wood burner installer

#### *Exclusion(s)*

- Gas fitters (72302)
- Heating, refrigeration and air conditioning mechanics (72402)
- Oil burner installation foreman/woman (See 72020-Contractors and supervisors, mechanic trades)

#### *Main duties*

This group performs some or all of the following duties:

- Read and interpret drawings or specifications to determine work to be performed
- Lay out oil burner heating system components and assemble components using hand and power tools
- Install oil burner components such as thermostats, motors, piping and safety devices, and connect to fuel supply, ventilation and electrical system
- Test installed unit and adjust controls for proper functioning
- Troubleshoot and repair malfunctioning oil burners, and their components and controls
- Install, maintain and repair coal and wood heating systems
- Perform scheduled maintenance service on oil and solid fuel heating systems.

### *Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- Completion of a three- to four-year apprenticeship program or  
A combination of over four years of work experience and industry courses in heating systems installation and repair is usually required for trade certification.
- Oil heat system technician trade certification is compulsory in Nova Scotia and New Brunswick and is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified oil heat system technicians upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **72421 Appliance servicers and repairers**

Appliance servicers and repairers service and repair domestic and commercial appliances. They are employed by repair shops, appliance service companies and repair departments of retail and wholesale establishments, or they may be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- appliance service technician
- appliance service technician apprentice
- appliance servicer
- commercial foodservice appliance technician
- commercial laundry appliance technician
- dishwasher repairer
- refrigerator repairer
- service technician - electrical appliances
- service technician - gas appliances
- stove repairer
- vacuum cleaner repairer
- washing machine servicer
- window air conditioner repairer

### *Exclusion(s)*

- Contractors and supervisors, mechanic trades (72020)
- Electronic service technicians (household and business equipment) (22311)
- Gas fitters (72302)
- Heating, refrigeration and air conditioning mechanics (72402)
- Other small engine and small equipment repairers (72429)
- Residential and commercial installers and servicers (73200)



*Main duties*

This group performs some or all of the following duties:

*Small electrical appliance servicers and repairers*

- Repair small electrical appliances, such as lawn and garden equipment and power tools
- Consult customer or refer to work order to establish nature of the appliance malfunction
- Observe operation of appliance and conduct voltage, resistance and other tests using electrical test equipment
- Refer to schematic drawings or product manuals and replace or repair parts or components using hand tools and soldering equipment
- Prepare estimates and written accounts of work performed.

*Major appliance repairers/technicians*

- Repair major electrical or gas appliances, such as domestic and commercial dishwashing equipment, stoves, laundry equipment and refrigerators in customer's home, in customer's place of business or in repair shop
- Consult customer or refer to work order to establish nature of the appliance malfunction
- Diagnose faults by checking controls, condensers, timer sequences, fans and other components using test equipment such as meters and gauges to measure resistance, current, voltage, pressure, temperature, flue gases and flow rates
- Refer to schematic diagrams or product manuals and disassemble appliance using hand tools
- Use shop equipment and specialized diagnostic and programming apparatus to repair, adjust and reprogram appliances
- Replace components and subcomponents and reassemble appliance using hand tools and soldering and brazing equipment
- Prepare estimates and written accounts of work performed
- May plan service routes.

*Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- Small appliance repairers usually require some specialized college or high school courses or several months of on-the-job training.
- Major appliance repairers/technicians require some secondary school education and completion of a college program in appliance repair  
or  
Completion of a three- or four-year apprenticeship program in appliance repair.
- Appliance service technician, or appliance serviceperson, trade certification is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, British Columbia, the Northwest Territories and Nunavut.
- A provincial gas fitter licence, or gas appliance technician certificate, may be required for gas appliance service technicians.
- Red Seal endorsement is also available to qualified appliance service technicians upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## 72422 Electrical mechanics

Electrical mechanics maintain, test, rebuild and repair electric motors, transformers, switchgear and other electrical apparatus. They are employed by independent electrical repair shops, service shops of electrical equipment manufacturers and maintenance departments of manufacturing companies. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- armature winder repairer
- coil winder and repairer
- electric motor systems technician
- electrical mechanic
- electrical mechanic apprentice
- electrical rewind mechanic
- electrical transformer repairer
- industrial motor winder-repairer
- power transformer repairer
- transformer repairer

### *Exclusion(s)*

- Aircraft electrical mechanic (See 22313-Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Assemblers, fabricators and inspectors, industrial electrical motors and transformers (94203)
- Electromechanical technicians foreman/woman (See 72020-Contractors and supervisors, mechanic trades)
- Industrial electricians (72201)

### *Main duties*

This group performs some or all of the following duties:

- Test and observe electrical, electronic and mechanical components and systems using testing and measuring instruments
- Troubleshoot and repair electric motors, transformers, switchgear, generators and other electro-mechanical equipment
- Replace or recondition shafts, bearings, commutators and other components
- Wind, assemble and install various types of coils for electric motors or transformers
- Perform static or dynamic balancing of armatures or rotors by welding, brazing or soldering electrical connections and by aligning and adjusting parts
- Test and repair or replace faulty wiring or components in electrical switchgear
- Test repaired motors, transformers, switchgear or other electrical apparatus to ensure proper performance
- Perform some machining to recondition or modify shafts, commutators or other parts
- Perform on-site servicing and repair.

Electrical mechanics may specialize in working with certain types of apparatus, such as electric motors or transformers, or in performing certain functions, such as winding coils.

*Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- Completion of a four-year apprenticeship program  
or  
A combination of over four years of work experience and industry courses in electrical mechanics is usually required for trade certification.
- Trade certification as an electric motor system technician is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Alberta, British Columbia, the Yukon and Nunavut.
- Electrical motor and equipment repairer - winding trade certification is available, but voluntary, in Quebec.
- Electrical motor system technician (electrical utility) trade certification is available, but voluntary, in New Brunswick.
- Red Seal endorsement is also available to qualified electric motor system technicians upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Although specialization may occur, workers in this unit group are required to be proficient in repairing all electrical apparatus.
- Progression to supervisory positions is possible with experience.

**72423 Motorcycle, all-terrain vehicle and other related mechanics**

Motorcycle, all-terrain vehicle and other related mechanics test, repair and service motorcycles, motor scooters, snowmobiles, outboard motors, forklifts and all-terrain vehicles. They are employed by service shops of motorcycle dealers and retailers and by independent service establishments. Apprentices are also included in this unit group.

*Illustrative example(s)*

- all-terrain vehicle repairer
- forklift mechanic
- industrial truck repairer
- lift truck mechanic
- motor boat mechanic
- motor scooter repairer
- motorcycle mechanic
- motorcycle mechanic apprentice
- outboard motor mechanic
- recreation vehicle technician
- snowmobile repairer

*Exclusion(s)*

- Motorcycle mechanics foreman/woman (See 72020-Contractors and supervisors, mechanic trades)
- Other small engine and small equipment repairers (72429)

### *Main duties*

This group performs some or all of the following duties:

- Review work orders and discuss work to be performed with supervisor
- Inspect and test engine and other mechanical components using test devices to diagnose and isolate faults
- Adjust, repair or replace mechanical or electrical system parts and components using hand tools and equipment
- Test and adjust repaired systems for proper performance
- Perform scheduled maintenance service on equipment
- Advise customers on work performed and general condition of equipment
- Repair or replace electrical wiring, plumbing, propane gas lines, appliances, windows, doors, cabinets and structural frames in recreational vehicles
- Determine estimates of repair cost
- May repair and rebuild hoisting mechanism and other mechanical systems on industrial trucks and forklifts.

### *Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- For motorcycle mechanics, completion of a three- to four-year apprenticeship program or  
A combination of over three years of work experience and high school or college courses in motorcycle repair is usually required to be eligible for trade certification.
- Motorcycle mechanic trade certification is compulsory in Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick and British Columbia.
- Red Seal endorsement is also available to qualified motorcycle mechanics upon successful completion of the interprovincial Red Seal examination.
- For recreation vehicle technicians, completion of a two- to four-year apprenticeship program or  
College, high school or industry courses combined with several years of related work experience or  
Several years of on-the-job training are required.
- Trade certification for recreation vehicle service technicians is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, British Columbia and the Yukon.
- Red Seal endorsement is also available to qualified recreation vehicle service technicians upon successful completion of the interprovincial Red Seal examination.
- Other mechanics in this unit group may require several years of on-the-job training.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- There is mobility among some occupations in this unit group.
- Progression to supervisory positions is possible with experience.

## **72429 Other small engine and small equipment repairers**

Other small engine and small equipment repairers test, repair and service small gasoline and diesel-powered engines and equipment, such as garden tractors, lawn mowers and other related equipment. They are employed by dealer service shops and by independent service establishments. Apprentices are also included in this unit group.

*Illustrative example(s)*

- air-cooled engine mechanic
- gasoline-powered lawn mower repairer
- lawn and garden equipment technician
- small engine technician
- small equipment mechanic apprentice
- small equipment repairer

*Exclusion(s)*

- Appliance servicers and repairers (72421)
- Contractors and supervisors, mechanic trades (72020)
- Motorcycle, all-terrain vehicle and other related mechanics (72423)

*Main duties*

This group performs some or all of the following duties:

- Review work orders and discuss work to be performed with supervisor
- Inspect and test engines and other mechanical components using test devices to diagnose and isolate faults
- Adjust, repair or replace mechanical or electrical system parts and components using hand tools and equipment
- Test and adjust repaired equipment for proper performance
- Perform scheduled maintenance service on equipment
- Advise customers on work performed and general condition of equipment
- Determine estimates of repair cost.

*Employment requirements*

- Completion of secondary school and training courses or a vocational program is usually required.
- Completion of a three- to four-year apprenticeship program in small engine or equipment repair or  
A combination of several years of work experience and high school or college courses in small engine or equipment repair are usually required for trade certification.
- Small engine or equipment mechanic trade certification is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Ontario and Nunavut.
- Inboard/outboard mechanic trade certification is available, but voluntary, in Ontario and British Columbia.
- Outdoor power equipment technician trade certification, for specified types of equipment, is available, but voluntary, in Manitoba, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.

*Additional information*

- Progression to supervisory positions is possible with experience.

**725 Technical equipment operation trades**

This sub-major group comprises the technical equipment operation trades, including crane operators and water well drillers.

## 7250 Crane operators and water well drillers

This minor group comprises crane operators and water well drillers. They are employed by construction, industrial, cargo handling, railway, water well drilling contractors; and governments; or they may be self-employed.

### 72500 Crane operators

Crane operators operate cranes or draglines to lift, move, position or place machinery, equipment and other large objects at construction or industrial sites, ports, railway yards, surface mines and other similar locations. They are employed by construction, industrial, mining, cargo handling and railway companies. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- boom truck crane operator
- bridge crane operator
- climbing crane operator
- construction crane operator
- crane operator
- dragline crane operator
- gantry crane operator
- hoist operator (except underground mining)
- mobile crane operator
- tower crane operator
- tractor crane operator

#### *Exclusion(s)*

- Contractors and supervisors, heavy equipment operator crews (72021)
- Heavy equipment operators (73400)
- Underground production and development miners (83100)

#### *Main duties*

This group performs some or all of the following duties:

- Operate mobile and tower cranes to lift, move, position or place equipment and materials
- Perform pre-operational inspection, and calculate crane capacities and weight to prepare for rigging and hoisting
- Operate pile driving cranes to drive pilings into earth to provide support for buildings and other structures
- Operate cranes equipped with dredging attachments to dredge waterways and other areas
- Operate gantry cranes to load and unload ship cargo at port side
- Operate locomotive cranes to move objects and materials at railway yards
- Operate bridge or overhead cranes to lift, move and place plant machinery and materials
- Operate offshore oil rig cranes to unload and reload supply vessels
- Operate cranes mounted on boats or barges to lift, move and place equipment and materials
- Operate dragline cranes to expose coal seams and ore deposits at open pit mines
- May assemble tower cranes on site
- Perform routine maintenance work such as cleaning and lubricating cranes.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a one- to three-year apprenticeship program or Industry courses in crane operating are usually required.
- Mobile crane operator trade certification, for specified types of cranes, is compulsory in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Alberta and British Columbia and available, but voluntary, in all other provinces and the Northwest Territories.
- Tower crane operator trade certification is compulsory in Newfoundland and Labrador, Nova Scotia, Quebec, Ontario, Manitoba, Alberta and British Columbia and available, but voluntary, in Prince Edward Island.
- Hoist operator trade certification, for specified types of cranes, is compulsory in Quebec, Ontario, Manitoba, Alberta and British Columbia and is available, but voluntary, in New Brunswick, Saskatchewan, the Northwest Territories and Nunavut.
- Mobile crane operators may require a provincial licence to drive mobile cranes on public roads.
- Internal company certification as a crane operator may be required by some employers.
- Red Seal endorsement is also available to qualified mobile crane and tower crane operators upon successful completion of the interprovincial Red Seal examination.

*Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

**72501 Water well drillers**

Water well drillers operate a variety of mobile water well drilling rigs and equipment to drill and monitor residential, commercial and industrial water wells. They are employed by water well drilling contractors and governments, or they may be self-employed. Apprentices are also included in this unit group.

*Illustrative example(s)*

- cable tool driller - water well drilling
- churn drill operator - water well drilling
- water well driller
- water well driller apprentice

*Exclusion(s)*

- Contractors and supervisors, heavy equipment operator crews (72021)
- Driller - underground mining (See 83100-Underground production and development miners)
- Drillers and blasters - surface mining, quarrying and construction (73402)
- Oil and gas well drillers, servicers, testers and related workers (83101)

*Main duties*

This group performs some or all of the following duties:

- Review client requirements and proposed locations for water wells
- Operate water well drilling rigs and other equipment to drill, bore and dig for residential, commercial and industrial water wells or environmental assessment, and install well screens, casings and other well fixtures

- Document geological formations encountered
- Clean and disinfect wells in preparation for use
- Perform routine mechanical maintenance work on water well drilling rigs and equipment
- Install, test, maintain and repair water well pumps, piping systems and equipment and perform pumping tests to assess well performance
- May provide other drilling services, such as repair or dismantling of existing water well structure, elevator shaft drilling and hydro pole drilling.

Water well drillers may specialize in a specific method of drilling, such as cable, rotary, auger, hammer or reverse circulation drilling.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- to three-year water well drilling apprenticeship program  
or  
Two to three years of work experience in the trade combined with college or industry courses in water well drilling is usually required to be eligible for trade certification.
- Trade certification is available, but voluntary, in New Brunswick, Ontario, Saskatchewan, Alberta and British Columbia.

#### *Additional information*

- Mobility is possible among the various well drilling operators in this unit group.
- Progression to supervisory positions is possible with experience.

## **726 Transportation officers and controllers**

This sub-major group comprises transportation officers and controllers, including air pilots, flight engineers and flying instructors; air traffic controllers and related occupations; deck officers in water transport; engineer officers in water transport; and railway traffic controllers and marine traffic regulators.

### **7260 Transportation officers and controllers**

This minor group comprises transportation officers and controllers, including air pilots, flight engineers and flying instructors; air traffic controllers and related occupations; deck officers in water transport; engineer officers in water transport; and railway traffic controllers and marine traffic regulators. They are employed by airline, air freight, air services, and marine transportation companies; flying schools, and other public and private sector aircraft operators; port, harbour, canal, and lock authorities; and NAV Canada, the Canadian Armed Forces, the Canadian Coast Guard, and other federal government departments.

#### **72600 Air pilots, flight engineers and flying instructors**

Air pilots fly fixed wing aircraft and helicopters to provide air transportation and other services such as crop spraying and aerial surveying. Flight engineers assist air pilots with monitoring, troubleshooting and maintenance of aircraft systems and with pre- and post-flight inspections. Flying instructors teach flying techniques and procedures to student and licensed pilots. Air pilots, flight engineers and flight instructors are employed by airline and air freight companies, flying schools and by other public and private sector aircraft operators.

#### *Illustrative example(s)*

- air pilot
- captain - air transport



- check pilot
- chief flying instructor
- chief pilot
- co-pilot
- flight engineer
- flying instructor
- helicopter pilot
- pilot instructor
- relief pilot
- second officer - air transport
- test pilot

#### *Exclusion(s)*

- Air traffic controllers and related occupations (72601)
- Ground school instructor (See 41210-College and other vocational instructors)

#### *Main duties*

This group performs some or all of the following duties:

##### *Air pilots*

- Conduct pre-flight inspection of aircraft and check passenger and cargo distribution to ensure that weight and balance specifications are met
- Coordinate flight activities with ground crews and air-traffic control, inform crew members of flight and test procedures and direct activities of aircraft crew during flights
- Contact control towers for takeoff clearances, arrival instructions and other information
- Conduct in-flight tests and monitor functioning of aircraft equipment and systems during flights, maintain communications with flight dispatchers and weather forecasters and respond to and report in-flight emergencies and malfunctions
- Prepare flight evaluation reports
- Train pilots to use new equipment, or prepare them for examinations to revalidate or upgrade existing licences
- May fly new or experimental planes to examine their flight performance and safety
- May participate in search and rescue operations, forest firefighting, aerial surveying, crop dusting and other services.

##### *Flight engineers*

- Inspect aircraft prior to takeoff according to pre-flight checklist and verify passenger and cargo distribution to ensure that weight and balance specifications are met
- Assist air pilots in monitoring aircraft systems, equipment and functions during flight
- Make in-flight repairs, such as replacing fuses and adjusting instruments, and follow emergency procedures to compensate for equipment malfunction or failure
- Perform post-flight inspections, record equipment malfunctions and corrective actions taken during flight and report required repairs to ground maintenance personnel.

### Flying instructors

- Instruct student pilots in procedures and techniques of flying aircraft and in ground-school subjects such as navigation, radio procedures and flying regulations
- Train licensed pilots for additional certification.

### *Employment requirements*

#### Pilots and flight engineers

- Completion of secondary school and graduation from a certified flying or aviation school are required.
- A university degree or college diploma may be required.
- A commercial pilot's licence (more than 200 hours of flight experience) or an air transport pilot's licence (more than 1500 hours of flight experience) is required.
- Additional licences or endorsements to fly different types of aircraft are required.
- Flight engineers require a flight engineer licence issued by Transport Canada.
- Structured training is provided by employers.

#### Flight instructors

- Completion of secondary school and graduation from a certified flying or aviation school are required.
- A university degree or college diploma may be required.
- A commercial pilot's or an air transport pilot's licence is required.
- Transport Canada ratings and endorsements to provide instructions on different types of aircraft are required.

### *Additional information*

- Flight engineers may progress to co-pilot and pilot positions with required hours of flying experience and completion of licensing and endorsement requirements.

## **72601 Air traffic controllers and related occupations**

Air traffic controllers direct air traffic within assigned airspace, and control moving aircraft and service vehicles at airports. Flight service specialists provide pilots with flight information essential to aviation safety. Flight dispatchers authorize airline flights over assigned routes. Air traffic controllers and flight service specialists are employed by NAV Canada and the Canadian Forces. Flight dispatchers are employed by airline and air services companies and by the Canadian Forces.

### *Illustrative example(s)*

- air traffic controller (ATC)
- airport air traffic controller
- enroute air traffic controller
- flight dispatcher
- flight service specialist (FSS)
- instrument flight rules air traffic controller
- terminal air traffic controller
- visual flight rules air traffic controller

*Exclusion(s)*

- Railway traffic controllers and marine traffic regulators (72604)

*Main duties*

This group performs some or all of the following duties:

*Air traffic controllers*

- Control flow of air traffic within assigned airspace using radar monitors, radio and other communication equipment and visual references
- Issue aircraft takeoff and landing instructions to pilots and relay meteorological, navigational and other information to pilots in flight
- Maintain radio and telephone contact with adjacent control towers, terminal control units and other area control centres, and coordinate movement of aircraft into adjoining areas
- Alert airport emergency services when aircraft are experiencing difficulties and report missing aircraft to search and rescue services
- Direct activities of all moving aircraft and service vehicles on or near airport runways.

*Flight service specialists*

- Provide pre-flight information concerning current and forecast weather conditions, radio frequencies, terrain, airports and related data to assist pilots in preparation of flight plans
- Check flight plans for completeness and accuracy and forward flight plans to air traffic services facility
- Respond to radio calls from aircraft preparing for takeoff or landing and supply information such as weather conditions, wind speed and direction and presence of local air traffic
- Support air traffic control operations by relaying radio requests for flight clearances, arrival and departure information and position reports
- Alert airport emergency services of aircraft experiencing difficulties and initiate communication searches when aircraft become overdue
- Observe, record and report weather conditions at airports.

*Flight dispatchers*

- Analyze environmental conditions and assess aircraft for load and fuel capacity and other factors to determine flight routes
- Brief flight crew before takeoff on weather conditions, status of navigational facilities and airports while on route
- Co-sign flight authorization with aircraft captain
- Monitor progress of flight and communicate as required with aircraft during flight
- Delay or cancel flights if conditions warrant
- Prepare and maintain flight plans, flight logs and other reports.

*Employment requirements*

- Completion of secondary school is required.
- A basic radio telephone operator's licence is required.
- Air traffic controllers and flight service specialists require completion of a NAV Canada training program which includes structured in-class and on-the-job training.

- Air traffic controllers require an air traffic controller's licence.
- Flight dispatchers may require experience in air traffic control or flight operations and may require a private pilot's licence.

#### *Additional information*

- Air traffic controllers with experience and appropriate NAV Canada endorsements may move to units with higher volumes of air traffic.

### **72602 Deck officers, water transport**

Deck officers, water transport, operate and command ships or self-propelled vessels to transport passengers and cargo on oceans and coastal and inland waters, and supervise and coordinate the activities of deck crews. This unit group also includes Canadian Coast Guard deck officers. They are employed by marine transportation companies and federal government departments. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- Coast Guard vessel first watchkeeping officer
- Coast Guard vessel navigation officer
- Coast Guard vessel watchkeeping officer
- deck officer - water transport
- ferryboat master
- master mariner
- ship pilot
- ship second mate
- ship third mate
- ship's captain
- ship's mate
- tugboat captain

#### *Exclusion(s)*

- Engineer officers, water transport (72603)
- Fishing masters and officers (83120)
- Shore captain - water transport (See 70020-Managers in transportation)
- Water transport deck and engine room crew (74201)

#### *Main duties*

This group performs some or all of the following duties:

- Command and operate ships or other self-propelled vessels, such as barges or oil rigs, to transport passengers and cargo
- Command and operate coast guard vessels to provide ice-breaking and search and rescue services, and to maintain control over ships operating in Canadian waters
- Board vessels at berth or from pilot boats to advise ships' captains on the course to steer for safe passage into and out of ports, seaways or other waterways under pilotage authority
- Plan and execute safe navigational passage using navigational aids
- Determine geographical position using navigational instruments, maps and charts
- Guide vessels in rivers, canals, and other confined or hazardous waters and waterways

- Maintain vessels' navigational instruments and equipment
- Direct and oversee the loading and unloading of cargo
- Supervise and coordinate the activities of deck crews
- Record vessel progress, crew activities, weather and sea conditions in the ship's log.

#### *Employment requirements*

- Completion of secondary school is required.
- Completion of deck officer cadet program from an approved nautical institute or  
One to three years of experience as a member of a deck crew is required.
- A deck officer certificate of competency, issued by Transport Canada, is required.
- For ship pilots, a ship pilot licence and a master certificate of competency are required.

#### *Additional information*

- Transport Canada administers a deck officer certification program, consisting of several levels. Progression from one level of certification to the next requires additional experience, training and testing.
- Mobility between employers is possible for positions requiring the same level of certification.
- Progression to management positions in transportation is possible with experience.

### **72603 Engineer officers, water transport**

Engineer officers in water transport, operate and maintain main engines, machinery and auxiliary equipment aboard ships and other self-propelled vessels, and supervise and coordinate the activities of engine room crews. They are employed by marine transportation companies and federal government departments. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- chief engineer - water transport
- engineer officer - water transport
- fourth engineer - water transport
- marine engineer officer
- second engineer
- third engineer - water transport
- tugboat engineer

#### *Exclusion(s)*

- Deck officers, water transport (72602)
- Managers in transportation (70020)
- Marine engineer AND naval engineer (See 21399-Other professional engineers)
- Marine mechanical engineer (See 21301-Mechanical engineers)
- Water transport deck and engine room crew (74201)

### *Main duties*

This group performs some or all of the following duties:

- Operate main engines, machinery and all auxiliary equipment aboard ships, such as boilers, steering and deck machinery, motors, pumps, generators and condensers
- Stand engine room watch, monitoring and noting performance of engines, machinery and all auxiliary equipment
- Inspect and conduct maintenance and emergency repairs to engines, machinery and all auxiliary equipment
- Supervise and coordinate the activities of the engine room crew
- Maintain records and prepare reports on engine performance and failures.

### *Employment requirements*

- Completion of secondary school is required.
- Completion of a three-year cadet program in marine engineering from an approved marine training institute or  
Approximately three years of experience as an engine room crew member and six months of formal training at an approved marine training institute  
or  
Approximately three years of experience as an engine mechanic and six months of experience as an engine room crew member are required for certification as a fourth class marine engineer.
- A marine engineer officer certificate of competency, issued by Transport Canada, is required.

### *Additional information*

- Fourth class marine engineer certificate is the entry level of a four-level certification program administered by Transport Canada. Progression from one level of certification to the next requires additional experience, training and testing.
- Mobility between employers is possible for positions requiring the same level of certification.
- Progression to management positions in transportation is possible with experience.

## **72604 Railway traffic controllers and marine traffic regulators**

Railway traffic controllers coordinate passenger and freight train traffic on railways. They are employed by rail transport companies. Marine traffic regulators monitor and regulate coastal and inland marine traffic within assigned waterways. They are employed by port, harbour, canal and lock authorities and by the Canadian Coast Guard.

### *Illustrative example(s)*

- chief rail traffic controller
- marine traffic regulator
- rail traffic controller
- train operator

### *Exclusion(s)*

- Harbour master (See 70012-Facility operation and maintenance managers)
- Subway traffic controller (See 72024-Supervisors, motor transport and other ground transit operators)
- Supervisors, railway transport operations (72023)

*Main duties*

This group performs some or all of the following duties:

*Railway traffic controllers*

- Operate and monitor centralized traffic control systems to coordinate and follow railway traffic
- Chart train movements, calculate arrival and departure times and record rail traffic information
- Issue instructions to control the movement of passenger and freight train traffic and on-track mobile maintenance equipment
- Receive, record and relay train instructions to train crew by hand or radio telephone
- May supervise and train other railway traffic controllers.

*Marine traffic regulators*

- Direct and monitor vessel movements using radar or closed circuit monitors, remote radio systems and other telecommunication equipment
- Obtain position, course, speed and estimated arrival time of vessels and monitor vessel progress through traffic zone
- Issue clearance instructions to vessels, advise vessels of traffic volumes and weather conditions, and relay information to next marine traffic control sector
- Report accidents, distress signals, navigational hazards and other emergencies to authorities
- Maintain radio and telephone contact with adjacent marine control sectors and with vessels within area of jurisdiction
- Maintain log of vessel movements, size and structure.

*Employment requirements*

- Railway traffic controllers usually require completion of secondary school and several years of experience in the railway industry.
- Up to 35 weeks of a combination of classroom and on-the-job training is provided for railway traffic controllers.
- Railway traffic controllers require a Canadian Rail Operating Rules certificate.
- Marine traffic regulators require completion of secondary school and several months of formal traffic regulator training.

*Additional information*

- There is little mobility between traffic controlling occupations in the railway and marine sectors.
- With experience, railway traffic controllers may progress to supervisory positions in rail transport operations.

**729 Other technical trades**

This sub-major group comprises other technical trades and related occupations.

**7299 Other technical trades**

This minor group comprises other technical trades and related occupations. They are employed by a wide range of establishments, or they may be self-employed.

## 72999 Other technical trades and related occupations

Workers in other trades occupations repair, service, install, calibrate or fabricate a variety of products. This unit group also includes commercial divers. They are employed by a wide range of establishments, or they may be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- aircraft patternmaker
- blacksmith
- commercial diver
- die setter
- explosive ordnance detector
- farrier
- gunsmith
- locksmith
- reclamation diver
- restoration steeplejack
- safe maker
- saw fitter
- small arms repairer
- toolsmith
- underwater contractor
- vault repairer

### *Exclusion(s)*

- Automotive service technicians (7241)
- Motorcycle, all-terrain vehicle and other related mechanics (72423)
- Other small engine and small equipment repairers (72429)
- Police diver (See 42100-Police officers (except commissioned))
- Welders and related machine operators (72106)

### *Main duties*

This group performs some or all of the following duties:

#### Gunsmiths

- Fabricate guns and repair and modify firearms according to blueprints or customers' specifications.

#### Locksmiths

- Repair, install and adjust locks, make keys and change lock combinations.

#### Safe and vault servicers

- Install, repair and maintain safes and vaults in banks and other establishments.

#### Saw fitters

- Repair, set and sharpen band saws, chain saws, circular saws and other types of saw blades according to specifications.



### Die setters

- Select dies for forging according to work order and specifications; position align and bolt dies to ram and anvil of power presses and hammers.

### Commercial divers

- Perform underwater activities related to construction, inspection, search, salvage, repair and photography.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- to four-year apprenticeship program in a relevant trade, such as locksmith or saw fitter or college, high school or industry courses combined with several years of related work experience or several years of on-the-job training are required.
- Trade certification for locksmiths is available, but voluntary, in Nova Scotia, New Brunswick, Saskatchewan, Alberta, British Columbia, the Northwest Territories and Nunavut.
- Sawfiler/fitter and sawfitter trade certification is available, but voluntary, in Quebec, British Columbia and the Yukon.
- Provincial trade certification or licensing may be required for other occupations in this unit group.
- Commercial divers must meet the requirements of CSA Standard Z275.4-02, Competency Standard for Diving Operations.
- Commercial divers require an Occupational Diver Certificate of Competency issued by the Diver Certification Board of Canada (DCBC) or qualification earned through a formal education program, training courses in diving or a combination of education and practical experience.
- Commercial divers require certification of competency and a diving medical examination from an approved hyperbaric physician.
- Commercial divers may require military or police diving experience.
- Commercial divers usually require a provincial blaster's licence for the setting and detonation of explosives.

### *Additional information*

- There is little or no mobility among occupations in this unit group.
- Progression to supervisory positions is possible with experience.

## **73 General trades**

This major group comprises general trades. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

### **731 General construction trades**

This sub-major group comprises general construction trades, including concrete finishers, tilers and plasterers, as well as roofers, glaziers, painters, decorators and floor covering installers.

## 7310 Concrete finishers, tilers and plasterers

This minor group comprises concrete finishers, tilers, and plasterers, drywall installers and finishers and lathers. They are employed by construction companies; cement, concrete, masonry, plastering, drywalling and lathing contractors; and manufacturers of precast concrete products; or they may be self-employed.

### 73100 Concrete finishers

Concrete finishers smooth and finish freshly poured concrete, apply curing or surface treatments and install, maintain and restore various masonry structures such as foundations, floors, ceilings, sidewalks, roads, patios and high-rise buildings. They are employed by construction companies, cement and concrete contractors and manufacturers of precast concrete products, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- cement finisher apprentice
- cement mason
- concrete finisher
- concrete mason
- precast concrete finisher

#### *Exclusion(s)*

- Bricklayers (72320)
- Concrete, clay and stone forming operators (94103)
- Contractors and supervisors, other construction trades, installers, repairers and servicers (72014)

#### *Main duties*

This group performs some or all of the following duties:

- Check formwork, granular base and steel reinforcement materials and direct placement of concrete into forms or onto surfaces according to grade
- Fill hollows and remove high spots to smooth freshly poured concrete
- Operate power vibrator to compact concrete
- Level top surface of concrete according to grade and depth specifications using straightedge or float
- Impart desired finish to concrete surfaces using hand and power tools
- Install anchor bolts, steel plates, door sills and other fixtures in freshly poured concrete
- Apply hardening and sealing compounds to cure surface of concrete
- Waterproof, damp-proof and restore concrete surfaces
- Repair, resurface and replace worn or damaged sections of floors, walls, roads and other concrete structures.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- to four-year apprenticeship program  
or  
Over three years of work experience in the trade and some high school, college or industry courses in cement finishing are usually required to be eligible for trade certification.

- Trade certification for concrete finishers is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Alberta and British Columbia.
- Trade certification for cement masons is available, but voluntary, in Ontario.
- Red Seal endorsement is also available to qualified concrete finishers upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **73101 Tilersetters**

Tilersetters cover interior and exterior walls, floors and ceilings with ceramic, marble and quarry tile, mosaics or terrazzo. They are employed by construction companies and masonry contractors, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- apprentice tilersetter
- ceramic tile installer
- marble setter
- terrazzo polisher
- terrazzo worker
- tile installer
- tilersetter

#### *Exclusion(s)*

- Bricklayers (72320)
- Plasterers, drywall installers and finishers and lathers (73102)
- Tilersetters supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)

#### *Main duties*

This group performs some or all of the following duties:

- Prepare, measure and mark surface to be covered
- Build underbeds and install anchor bolts, wires and brackets
- Mix, apply and spread mortar, cement, mastic, glue or other adhesives using hand trowel
- Set tiles in position and apply pressure to affix tiles to base
- Align and straighten tile using levels, squares and straightedges
- Cut and fit tiles around obstacles and openings using hand and power cutting tools
- Pack grout into joints between tiles and remove excess grout
- Install tile strips
- Lay and set mosaic tiles to create decorative wall, mural and floor designs
- Mix, lay and polish terra surfaces
- Cut, polish and install marble and granite

- Remove and replace cracked or damaged tiles
- May prepare cost estimates and orders.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program  
or  
A combination of over three years of work experience in the trade and some high school, college or industry courses in tiling is usually required to be eligible for trade certification.
- Trade certification for tilers is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan, Alberta and British Columbia.
- Red Seal endorsement is also available to qualified tilers upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **73102 Plasterers, drywall installers and finishers and lathers**

Plasterers apply finish, and maintain and restore plaster or similar materials, on interior and exterior walls, ceilings and building partitions to produce plain or decorative surfaces. Drywall installers and finishers install and finish drywall sheets and various types of ceiling systems. Lathers install support framework for ceiling systems, interior and exterior walls and building partitions. They are employed by construction companies and by plastering, drywalling and lathing contractors, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- acoustical ceiling installer
- ceiling installer
- drywall applicator
- drywall finisher
- drywall installer and finisher apprentice
- drywall taper
- lather
- lather (interior systems mechanic)
- lather apprentice
- plasterer
- plasterer apprentice
- sheetrock applicator
- wood lather

#### *Exclusion(s)*

- Contractors and supervisors, other construction trades, installers, repairers and servicers (72014)

*Main duties*

This group performs some or all of the following duties:

**Plasterers**

- Clean and prepare surfaces
- Mix plaster ingredients in trough to desired consistency
- Apply, level and smooth coats of plaster using trowels, floats, brushes and spraying equipment
- Trowel or spray coats of stucco over exteriors of buildings to form weatherproof surfaces
- Finish corners and angles and create decorative designs in finish coat, if required
- Cure freshly plastered surfaces
- Mould and install ornamental plaster panels, cornices and trim
- Spray acoustic materials or texture finish over walls and ceilings.

**Drywall installers and finishers**

- Measure, cut and fit drywall sheets for installation on walls and ceilings
- Position and secure sheets to metal or wooden studs or joists
- Cut and install metal corner beads to protect exterior corners
- Fill joints, nail indentations, holes and cracks with joint compound using trowel and broad knife
- Tape over joints using taping machine and embed tape in compound
- Smooth out excess compound and allow coat to dry
- Apply successive coats of compound and sand seams and joints
- Fabricate and install suspended metal ceiling grids and place in panels to form acoustical and coffered ceilings.

**Lathers**

- Prepare wall and ceiling layouts
- Install metal stud framing and furring for interior drywall or plaster walls and ceilings, using hand and power tools
- Attach metal or gypsum lath to studs or furring using nails, screws, clips or wire ties
- Cut openings in lath for heating and ventilation piping, ducts and electrical outlets
- Install corner beads and wire mesh around beams to which plaster is to be applied
- May install acoustic tile, hangers for suspended ceilings and metal studs for composition wallboard or lath.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program in plastering, drywalling or lathing or  
A combination of over three years of work experience and some high school, college or industry courses in plastering, drywalling or lathing is usually required.
- Plasterer trade certification is compulsory in Quebec and available, but voluntary, in Ontario, Saskatchewan and British Columbia.
- Drywall installer and finisher trade certification is available, but voluntary, in British Columbia.

- Trade certification for lathers (interior systems mechanics) is compulsory in Quebec and available, but voluntary, in all other provinces and the Yukon.
- Red Seal endorsement is also available to qualified lathers (interior systems mechanic) upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **7311 Roofers, glaziers, painters, decorators and floor covering installers**

This minor group comprises roofers, shinglers, glaziers, painters, decorators (except interior decorators) and floor covering installers. They are employed by construction companies; roofing and general contractors; construction glass installation contractors and glass fabrication, retail service and repair shops; insulation and floor covering contractors and carpet outlets; and painting and building maintenance contractors; or they may be self-employed.

#### **73110 Roofers and shinglers**

Roofers install, repair or replace flat roofs as well as shingles, shakes or other roofing tiles on sloped roofs. Shinglers install and replace shingles, tiles and similar coverings on sloped roofs. They are employed by roofing and general contractors, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- apprentice roofer
- asphalt roofer
- built-up roofer
- flat roofer
- residential steep roofer
- roofer
- shingler
- single-ply roofer

#### *Exclusion(s)*

- Roofers and shinglers supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)

#### *Main duties*

This group performs some or all of the following duties:

##### Roofers

- Install, repair or replace built-up roofing systems using materials such as asphalt saturated felts and hot asphalt and gravel
- Install, repair or replace single-ply roofing system using waterproof sheet materials such as modified plastics, elastomeric or other asphaltic compositions
- Install, repair or replace shingles, shakes and other roofing tiles on sloped roofs of buildings
- Install sheet metal flashings
- Apply waterproof coatings to concrete or other masonry surfaces below or above ground level

- Install and repair metal roofs using hand and power tools
- Set up scaffolding to provide safe access to roofs
- May estimate materials required and quote costs.

#### Shinglers

- Install or replace asphalt shingles, wood shingles and shakes and masonry or baked clay roofing tiles on sloped roofs of buildings
- Set up scaffolding to provide safe access to roofs.

#### *Employment requirements*

- Completion of secondary school is usually required.
- For roofers, completion of a two- to three-year apprenticeship program or Over three years of work experience in the trade are usually required to be eligible for trade certification.
- Roofing trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Trade certification for residential steep roofers is available, but voluntary, in British Columbia.
- Red Seal endorsement is also available to qualified roofers upon successful completion of the interprovincial Red Seal examination.
- Shinglers require one to two years of on-the-job training.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **73111 Glaziers**

Glaziers cut, fit, install and replace glass in residential, commercial and industrial buildings, on exterior walls of buildings and other structures and in furniture and other products. They are employed by construction glass installation contractors, retail service and repair shops and glass fabrication shops, or they may be self-employed. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- glazier
- glazier and metal mechanic
- glazier apprentice
- plate glass installer
- stained glass glazier
- structural glass glazier

#### *Exclusion(s)*

- Glass forming and finishing machine operators and glass cutters (94102)
- Glazier supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)

### *Main duties*

This group performs some or all of the following duties:

- Read and interpret blueprints and specifications to determine type and thickness of glass, frame, installation procedure and materials required
- Measure and mark glass and cut glass using glass cutters or computerized cutter
- Tint glass and create patterns on glass by etching, sandblasting or painting designs
- Assemble, erect and dismantle scaffolds, rigging and hoisting equipment
- Position glass panes into frames and secure glass using clips, points or mouldings
- Assemble and install prefabricated glass, mirrors or glass products on walls, ceilings or exteriors of building
- Fabricate metal frames for glass installation
- Install, fit, fabricate and attach architectural metals or related substitute products in commercial and residential buildings
- Install pre-cut mirrors and opaque and transparent glass panels in frames to form exterior walls of buildings
- Replace glass in furniture and other products
- Prepare and install skylights, showcases and aquariums and stained or other special glass in churches, museums, sports and other establishments
- Repair and service residential windows, commercial aluminum doors and other glass supporting structures, and replace damaged glass or faulty sealant
- May prepare cost estimates for customers or clients.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program  
or  
A combination of over four years of work experience in the trade and some high school, college or industry courses in glazing is usually required to be eligible for trade certification.
- Trade certification for glaziers is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Red Seal endorsement is also available to qualified glaziers upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## **73112 Painters and decorators (except interior decorators)**

Painters and decorators apply paint, wallpaper and other finishes to interior and exterior surfaces of buildings and other structures. They are employed by construction companies, painting contractors and building maintenance contractors, or they may be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- construction painter
- maintenance painter
- painter
- painter and decorator



- painter and decorator apprentice
- paperhanger

#### *Exclusion(s)*

- Automotive painter - motor vehicle repair (See 72411-Auto body collision, refinishing and glass technicians and damage repair estimators)
- Industrial painters, coaters and metal finishing process operators (94213)
- Interior decorator (See 52121-Interior designers and interior decorators)
- Painters and decorators supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)
- Painters, sculptors and other visual artists (53122)

#### *Main duties*

This group performs some or all of the following duties:

- Read specifications to determine quantities of materials required
- Prepare and clean surfaces using methods such as scraping, sanding, sandblasting, hydro-blasting and steam-cleaning; remove old wallpaper and loose paint; repair cracks and holes in walls; and sandpaper and apply sealer
- Mix and thin paint to obtain desired colour and texture
- Apply paint or other materials, such as stains, lacquer, enamel, oil, varnish, fibreglass, metal coating or fire retardant using brushes, rollers or spray equipment
- Measure, cut and apply wallpaper or fabric to walls
- Assemble and erect scaffolding and swing stages
- May advise customer on selection of colour schemes and choice of wall coverings
- May provide cost estimates to clients.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
or  
Over three years of work experience in the trade is usually required to be eligible for trade certification.
- Trade certification for painters and decorators is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Red Seal endorsement is also available to qualified painters and decorators upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

### **73113 Floor covering installers**

Floor covering installers install carpet, wood, linoleum, vinyl and other resilient floor coverings in residential, commercial, industrial and institutional buildings. They are employed by construction companies, floor-covering contractors and carpet outlets, or they may be self-employed. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- carpet layer
- floor covering installer apprentice
- floor covering mechanic
- hardwood floor layer
- residential floor and wall covering installer
- resilient floor installer
- vinyl floor installer

### *Exclusion(s)*

- Floor covering supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)

### *Main duties*

This group performs some or all of the following duties:

- Inspect, measure and mark surfaces to be covered
- Measure, cut and fasten underlay and underpadding
- Measure, cut and install carpeting using hand or machine stitcher, seaming iron, bonding tape or other bonding materials
- Stretch carpeting using knee-kicker or power stretcher and secure carpeting to floor or other surfaces using staple gun or other devices
- Measure, cut and install resilient floor covering using adhesive, rollers and other hand tools
- Install hardwood floors, such as strip floors, block floors or plank floors, using glue, staples, nails or other means
- Inspect and repair damaged floor coverings
- May estimate material and labour costs.

### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a two- to three-year apprenticeship program  
or  
Over four years of work experience in the trade and some courses in floor covering installation are usually required to be eligible for trade certification.
- Trade certification for floor covering installers is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified floor covering installers upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

## 732 Building maintenance installers, servicers and repairers

This sub-major group comprises building maintenance installers, servicers and repairers, including residential and commercial installers and servicers; general building maintenance workers and building superintendents; pest controllers and fumigators; and other repairers and servicers.

### 7320 Building maintenance installers, servicers and repairers

This minor group comprises building maintenance installers, servicers and repairers, including residential and commercial installers and servicers; general building maintenance workers and building superintendents; pest controllers and fumigators; and other repairers and servicers. They are employed by companies specializing in specific product installation and service; water filtration and distribution plants and waste treatment plants; gas distribution companies; pest control companies; and product specialty repair shops and service establishments; or they may be self-employed.

#### 73200 Residential and commercial installers and servicers

Residential and commercial installers and servicers install and service a wide variety of interior and exterior prefabricated products such as windows, doors, electrical appliances, water heaters, fences, play structures and septic and irrigation systems at residential, commercial or institutional properties. They are employed by companies specializing in specific product installation and service.

##### *Illustrative example(s)*

- aluminum window installer
- eavestrough installer
- electric appliance installer
- exterior cladder
- fence erector
- hot tub installer
- irrigation technician - installation and maintenance
- kitchen cupboard and vanity installer
- recreation structure erector
- siding installer
- sign installer
- swimming pool installer
- water conditioner servicer
- water heater servicer
- window installer

##### *Exclusion(s)*

- Appliance servicers and repairers (72421)
- Central air conditioner installer (See 72402-Heating, refrigeration and air conditioning mechanics)
- Floor covering supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)
- Steamfitters, pipefitters and sprinkler system installers (72301)

### *Main duties*

This group performs some or all of the following duties:

- Read blueprints or work order specifications to determine layout and installation procedures
- Measure and mark guidelines to be used for installations
- Install, repair and service interior prefabricated products such as doors, windows, kitchen cupboards, bathroom vanities, water heaters and household appliances using hand and power tools
- Install, repair and service exterior prefabricated products such as siding, shutters, awnings, fencing, decks, septic and irrigation systems, signs and play structures using hand and power tools.

### *Employment requirements*

- Some secondary school education is usually required.
- On-the-job training and several months of related installing, repairing or servicing experience are usually required.
- A driver's licence may be required.

### *Additional information*

- There is some mobility among the various types of installers and servicers in this unit group.

## **73201 General building maintenance workers and building superintendents**

General building maintenance workers perform tasks related to the general maintenance of buildings. They execute minor repair work, maintain equipment and installations and perform preventive inspection of systems relating to building mechanics. Building superintendents employed in large establishments are responsible for the operation of the establishment and may also supervise other workers. They are employed by office and apartment building management companies, condominium corporations, educational institutions, health care facilities, recreational and shopping facilities, religious, industrial and other establishments.

### *Illustrative example(s)*

- apartment building maintenance worker
- building operator - maintenance
- building superintendent

### *Exclusion(s)*

- Janitors, caretakers and heavy-duty cleaners (65312)
- Other repairers and servicers (73209)
- Residential and commercial installers and servicers (73200)

### *Main duties*

This group performs some or all of the following duties:

- Make adjustments and minor repairs to heating, cooling, ventilating, plumbing and electrical systems, and contact tradespersons for major repairs
- Perform other routine maintenance jobs such as painting and drywall repair
- Maintain inventory of supplies and equipment and make minor purchases as required
- Respond to requests from residents for minor repairs
- Perform daily inspections on the building systems

- Provide general assistance to skilled trade persons such as mechanics, electricians, carpenters and plumbers
- Coordinate the preparation of housing units prior to the arrival of new residents
- Ensure that security and safety measures are in place in the establishment
- May advertise vacancies, show apartments and offices to prospective tenants and collect rent
- May process lease or rental applications, including completion of background and credit checks
- May move heavy furniture, equipment and supplies
- May supervise other workers.

#### *Employment requirements*

- Secondary school education is usually required.
- Previous maintenance experience may be required.
- A journeyman/woman certificate in one or more of the trades or a building operator certificate may be required for building superintendents.

#### *Additional information*

- Progression to supervisory positions is possible with additional training or experience.

### **73202 Pest controllers and fumigators**

Pest controllers and fumigators inspect buildings and outside areas for pest infestation and spray chemical treatments to kill noxious and destructive insects, rodents and other pests or set cage traps to capture and remove animals. They are employed by pest control companies, or they may be self-employed.

#### *Illustrative example(s)*

- animal control trapper
- pest control operator
- pest control service representative
- pest control technician
- pest controller
- pest exterminator
- pest fumigator

#### *Exclusion(s)*

- Pest control supervisor (See 72014-Contractors and supervisors, other construction trades, installers, repairers and servicers)

#### *Main duties*

This group performs some or all of the following duties:

- Inspect buildings and outside areas at regular intervals or at specific request of property owner to detect signs of infestation
- Determine type of treatment required and provide estimate of costs to clients
- Prepare and spray chemical mixture on infested areas using mechanical or electric sprayer to kill insects, rodents and other pests

- Fumigate households
- Place and set traps to capture and remove animals, such as skunks or raccoons
- Install animal control barriers such as needle strips, netting and other devices to keep animals off property
- Clean out areas that harbour pests using rakes, shovels, brooms or mops
- Advise clients on how to prevent pest infestation.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of courses in pest control or extermination or several months of on-the-job training are usually required.
- Provincial pesticide applicator licence is required in all provinces.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

### **73209 Other repairers and servicers**

Other repairers and servicers repair and service a wide variety of products, such as cameras, scales, musical instruments, coin machines, vending machines, sporting goods and other miscellaneous products and equipment. They are employed by product specialty repair shops and service establishments.

#### *Illustrative example(s)*

- bicycle repairer
- camera repairer
- meter repairer
- piano repairer
- scale repairer
- sewing machine servicer - domestic
- sporting goods repairer
- vending machine repairer

#### *Exclusion(s)*

- Contractors and supervisors, other construction trades, installers, repairers and servicers (72014)
- Locksmith (See 72999-Other technical trades and related occupations)

#### *Main duties*

This group performs some or all of the following duties:

- Inspect products to determine the requirement for repair
- Repair or replace defective or worn-out parts and components using hand, power or specially designed tools
- Test and adjust repaired products for proper functioning
- Perform routine maintenance
- May calibrate products using hand tools.

*Employment requirements*

- Some secondary school education is usually required.
- Completion of college or other courses relevant to a particular equipment or product repair or  
Completion of several months of on-the-job training is usually required.

*Additional information*

- Some mobility may occur among workers in this unit group.
- Progression to supervisory positions is possible with experience.

**733 Transportation occupations**

This sub-major group comprises transportation occupations, including transport truck and transit drivers, and train crew operating occupations.

**7330 Transport truck and transit drivers**

This minor group comprises transport truck and transit drivers, including bus drivers, subway operators and other transit operators. They are employed by transportation, manufacturing, distribution and moving companies and trucking employment service agencies; urban transit systems, light rail transit operators and transportation authorities; school boards and private transportation companies; or they may be self-employed.

**73300 Transport truck drivers**

Transport truck drivers drive straight trucks or tractor-trailers to transport freight. Long-haul truck drivers operate heavy trucks over urban, interurban, provincial and international routes, while short-haul and local transport truck drivers operate over urban and short interurban routes. They are employed by transportation, manufacturing, distribution and moving companies, and trucking employment service agencies, or they may be self-employed.

*Illustrative example(s)*

- bulk goods truck driver
- dump truck driver
- flatbed truck driver
- heavy truck driver
- logging truck driver
- long haul truck driver
- moving van driver
- shunt truck driver
- tow truck driver
- tractor-trailer truck driver
- transport driver
- truck driver

*Exclusion(s)*

- Delivery service drivers and door-to-door distributors (75201)
- Public works maintenance equipment operators and related workers (74205)
- Supervisors, motor transport and other ground transit operators (72024)

- Truck dispatcher (See 14404-Dispatchers)
- Truck driver helper (See 75211-Railway and motor transport labourers)
- Truck driver trainer - community college (See 41210-College and other vocational instructors)

### *Main duties*

This group performs some or all of the following duties:

#### Long-haul transport truck drivers

- Operate and drive primarily tractor-trailer, long-combination vehicle and straight-body trucks weighing over 4500 kg to transport goods and materials over long distances
- Plan trip logistics and obtain required documentation to transport goods
- Perform pre-trip, en route and post-trip inspection of vehicle systems, equipment and accessories such as tires, lights and turning signals, brakes and cold storage
- Ensure cargo is secured properly in accordance with safety requirements and follow safety procedures for transporting dangerous goods
- Obtain special permits and other documents required to transport cargo on international routes
- Record cargo information, hours of service, distance travelled and fuel consumption
- Administer bills of lading and manually or electronically maintain log books
- Communicate with dispatcher, other drivers and customers using communication devices and on-board computers
- May perform emergency roadside repairs
- May drive as part of a two-person team or convoy
- May transport hazardous products or dangerous goods.

#### Short-haul and local transport truck drivers

- Operate and drive primarily straight trucks to transport goods and materials mainly on local routes and short interurban routes
- Perform pre-trip, en route and post-trip inspection and oversee all aspects of vehicle such as condition of equipment, and loading and unloading of cargo
- May drive special purpose trucks such as tow trucks, dump trucks, hydrovac trucks or cement mixing trucks.

### *Employment requirements*

- Completion of secondary school is usually required.
- On-the-job-training is provided.
- Completion of an accredited driver training course of up to three months duration, through a vocational school or community college, may be required.
- A Class 3 or D licence is required to drive straight-body trucks.
- A Class 1 or A licence is required to drive long combination vehicles.
- Air brake endorsement (Z) is required for drivers who operate vehicles equipped with air brakes.
- Transportation of dangerous goods (TDG) certification is required for drivers who transport hazardous products or dangerous goods.
- Additional licensing endorsement or certification may be required to drive articulated trucks.



*Additional information*

- Progression to supervisory positions or to non-driving occupations, such as driver trainer, safety officer or truck dispatcher is possible with additional training or experience.

**73301 Bus drivers, subway operators and other transit operators**

Bus drivers, subway operators and other transit operators drive buses and operate streetcars, subway trains and light rail transit vehicles to transport passengers on established routes. Bus drivers are employed by urban transit systems, school boards or transportation authorities and private transportation companies. Streetcar, subway and light rail transit operators are employed by urban transit systems.

*Illustrative example(s)*

- bus driver
- bus operator
- light rail transit operator
- motor coach driver
- public passenger transit driver
- school bus driver
- sightseeing tour driver
- streetcar operator
- subway train operator
- transit operator - transportation

*Exclusion(s)*

- Supervisors, motor transport and other ground transit operators (72024)

*Main duties*

This group performs some or all of the following duties:

**Bus drivers and streetcar operators**

- Drive buses or streetcars to transport passengers along established routes to local destinations
- Drive buses to transport passengers and goods to intercity or long distance destinations
- Drive sightseeing tour buses to transport passengers locally or over long distances
- Drive buses equipped for wheelchair accessibility, and aid passengers in boarding
- Provide passengers with information on fares, schedules and stops
- Collect fares, issue and validate transfers, check bus passes and record transactions
- Conduct pre-trip and post-trip inspections of vehicle
- Communicate with passengers, dispatchers or other drivers using two-way radio systems
- Report delays, mechanical problems and accidents
- May provide information on points of interest during sightseeing tours
- May load and unload passengers' luggage and express freight.

**School bus drivers**

- Drive school buses to transport children between school and home or on excursions
- Ensure children's safety when boarding and leaving buses and crossing street while bus is stopped

- Maintain control of student activities during travel to prevent distractions or behaviours that could compromise safety
- May transport adults outside of school hours on chartered trips.

#### Subway train and light rail transit operators

- Operate subway or rail transit vehicles as part of two-person crew
- Observe signals at crossings and arrival and departure points
- Operate controls to open and close transit vehicle doors
- Report delays, malfunctions and accidents to control unit
- Ensure passenger safety and welfare in emergencies, and direct passengers during evacuation procedures.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Up to three months of on-the-job training, including classroom instruction, is usually provided for all occupations in this unit group.
- A minimum of one year of safe driving experience is required.
- Bus drivers require a Class B, C, E or F driver's licence in Ontario, and a Class 2 driver's licence is required in all other provinces and the territories.
- An air brakes endorsement and first aid certificate may be required.
- Experience as a public transit bus driver is usually required for subway and light rail transit operators.

#### *Additional information*

- Progression to transit supervisory positions, inspector or training instructor positions is possible with experience.

### **7331 Train crew operating occupations**

This minor group comprises train crew operating occupations, including railway and yard locomotive engineers, and railway conductors and brakemen/women. They are employed by railway transport companies and industrial and commercial users of rail transport.

#### **73310 Railway and yard locomotive engineers**

Railway locomotive engineers operate railway locomotives to transport passengers and freight. They are employed by railway transport companies. Yard locomotive engineers operate locomotives within yards of railway, industrial or other establishments. They are employed by railway transport companies and industrial or commercial users of rail transport.

#### *Illustrative example(s)*

- locomotive engineer - railway
- railway engineer
- switch engineer - railway
- transfer hostler - railway
- yard engineer - railway

*Exclusion(s)*

- Light rail transit operator (See 73301-Bus drivers, subway operators and other transit operators)
- Subway train operator (See 73301-Bus drivers, subway operators and other transit operators)
- Supervisors, railway transport operations (72023)
- Train dispatcher (See 72604-Railway traffic controllers and marine traffic regulators)

*Main duties*

This group performs some or all of the following duties:

*Railway locomotive engineers*

- Operate locomotives to transport passengers and freight on railways
- Operate communication systems to communicate with train crews and traffic controllers to ensure safe operation and scheduling of trains
- Inspect assigned locomotives and test operating controls and equipment.

*Yard locomotive engineers*

- Operate locomotives to switch, couple and uncouple cars for loading and unloading
- Perform switching operations according to written switching orders or dispatched instructions
- Inspect locomotives, replenish fuel or perform routine maintenance on locomotives.

*Employment requirements*

- Completion of secondary school is usually required.
- Experience as a conductor is required for railway locomotive engineers and may be required for yard locomotive engineers.
- Experience as a railway yard worker may be required for yard locomotive engineers.
- Railway locomotive engineers require a Canadian Rail Operating Rules certificate.

*Additional information*

- Mobility between railway transport companies or between establishments employing locomotive engineers may be limited due to seniority provisions of collective agreements.

**73311 Railway conductors and brakemen/women**

Railway conductors coordinate and supervise the activities of passenger and freight train crew members. Brakemen check train brakes and other systems and equipment prior to train run, and assist railway conductors in activities en route. They are employed by railway transport companies.

*Illustrative example(s)*

- brakeman/woman
- conductor - switching yard
- freight train conductor
- front-end brakeman/woman
- passenger train conductor
- railway conductor

- road freight brakeman/woman
- tail-end brakeman/woman

*Exclusion(s)*

- Railway and yard locomotive engineers (73310)
- Supervisors, railway transport operations (72023)

*Main duties*

This group performs some or all of the following duties:

*Railway conductors*

- Supervise and coordinate the activities of passenger and freight train crew members (except locomotive engineers) to ensure train operations are in accordance with schedule, train orders and code of operating rules
- Receive train orders and explain orders to brakemen/women, locomotive engineer and other crew members
- Communicate with train crew members by radio, signals or by other means to give and receive train operation information
- Collect fares on board passenger trains, announce approaching train stops and answer passenger enquiries
- Prepare train run reports.

*Brakemen/women*

- Check train systems and equipment such as air conditioning and heating systems, brakes and brake hoses prior to train run
- Communicate with train crew members by radio, signals or by other means to aid in the movement and operation of train
- Receive orders from traffic controllers, observe signals and track conditions and open and close track switches
- Set and release hand brakes and connect air brake hoses to couple and switch passenger or freight cars, making minor repairs to couplings, air hoses and wheel-bearing boxes as required
- Assist in collecting fares and helping passengers on and off train.

*Employment requirements*

- Completion of secondary school is usually required.
- Experience as a brakeman/woman is required for conductors.
- Experience as a railway worker is usually required for brakemen/women.
- Railway conductors require a Canadian Rail Operating Rules certificate.
- Brakemen/women require a Canadian Rail Operating Rules certificate.

*Additional information*

- With experience, brakemen/women may progress to railway conductors.
- With experience, railway conductors may progress to locomotive engineers.

## 734 Operators, drillers and blasters

This sub-major group comprises operators, drillers and blasters, including heavy equipment operators; printing press operators; and drillers and blasters in surface mining, quarrying and construction.

### 7340 Operators, drillers and blasters

This minor group comprises operators, drillers and blasters, including heavy equipment operators (except cranes); printing press operators; and drillers and blasters in surface mining, quarrying and construction. They are employed by construction companies, heavy equipment contractors and pipeline, logging, cargo-handling, mining and quarrying companies; drilling and blasting and drilling contractors (except for water wells, underground mining production, and oil and gas well drillers); municipal, provincial and federal public works departments and private contractors under contract with government public works departments; commercial printing companies; newspapers, magazines, and other publishing companies; and establishments in the public and private sectors that have in-house printing departments.

#### 73400 Heavy equipment operators

Heavy equipment operators operate heavy equipment used in the construction and maintenance of roads, bridges, airports, gas and oil pipelines, tunnels, buildings and other structures; in surface mining and quarrying activities; and in material handling work. They are employed by construction companies, heavy equipment contractors, public works departments and pipeline, logging, cargo-handling and other companies. Apprentices are also included in this unit group.

##### *Illustrative example(s)*

- backhoe operator
- bulldozer operator
- excavator operator
- gradall operator
- grader operator
- heavy equipment operator
- heavy equipment operator apprentice
- loader operator - construction
- side boom tractor operator
- surface mining equipment operator

##### *Inclusion(s)*

- marine railway operator

##### *Exclusion(s)*

- Contractors and supervisors, heavy equipment operator crews (72021)Crane operators (72500)
- Forklift operator (See 75101-Material handlers)
- Industrial truck operator (See 75101-Material handlers)
- Logging machinery operators (83110)
- Underground production and development miners (83100)

### *Main duties*

This group performs some or all of the following duties:

- Operate heavy equipment such as backhoes, bulldozers, loaders and graders to excavate, move, load and grade earth, rock, gravel or other materials during construction and related activities
- Operate bulldozers or other heavy equipment to clear brush and stumps prior to logging activities and to build roads at logging and surface mining sites
- Operate heavy equipment with pile driver head to drive piling into earth to provide support for buildings, bridges or other structures
- Operate heavy dredging equipment to deepen waterways or reclaim earth fill
- Operate heavy paving and surfacing equipment to lay, spread or compact concrete, asphalt and other surface materials during highway and road construction
- Operate power shovels to excavate rock, ore or other materials from open-pit mines, strip mines, quarries or construction pits
- Operate heavy equipment to move, load and unload cargo
- Conduct pre-operational checks on equipment and clean, lubricate and refill equipment.

### *Employment requirements*

- Some secondary school education is required.
- Completion of a one- to two-year apprenticeship program or  
Some high school, college or industry courses in heavy equipment operating combined with on-the-job training are required.
- Trade certification for heavy equipment operator (dozer, excavator, tractor-loader-backhoe) is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island and Ontario.
- Internal company certification may be required by some employers.
- Red Seal endorsement is also available to qualified heavy equipment operators upon successful completion of the interprovincial Red Seal examination.

### *Additional information*

- Progression to supervisory positions is possible with experience.
- The Red Seal endorsement allows for interprovincial mobility.

## **73401 Printing press operators**

Printing press operators set up and operate sheet and web-fed presses to print text, illustrations and designs on a wide variety of materials such as paper, plastic, glass, leather and metal. They are employed by commercial printing companies; newspapers, magazines, and other publishing companies; and establishments in the public and private sectors that have in-house printing departments. Apprentices are also included in this unit group.

### *Illustrative example(s)*

- apprentice pressman/woman
- assistant pressman/woman
- first pressman/woman
- flexographic press operator
- offset press operator

- printing press operator
- rotogravure pressman/woman - printing

#### *Exclusion(s)*

- Colour and large copier operator (See 94150-Plateless printing equipment operators)
- Laser printer operator (See 94150-Plateless printing equipment operators)
- Printing machine operator (See 94150-Plateless printing equipment operators)
- Screen printing artisan (See 53124-Artisans and craftspersons)
- Supervisors, printing and related occupations (72022)
- Textile printer (See 94130-Textile fibre and yarn, hide and pelt processing machine operators and workers)

#### *Main duties*

This group performs some or all of the following duties:

- Review job orders to determine job specifications such as production time, colour sequence and quantities required, and advise press crew of these specifications
- Mount plates or cylinders and make necessary adjustments
- Fill ink fountains and take measurements, make adjustments and determine settings to control colour and viscosity
- Set up press and check samples for ink coverage, alignment and registration
- Monitor regular press runs for quality and consistency using computer control console and make adjustments as required
- Remove and clean plates and cylinders at end of press run
- Direct activities of press crew and ensure that safety procedures are adhered to.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a college program in printing technology  
or  
A combination of on-the-job training and specialized high school, college or industry courses is usually required.
- Trade certification is available, but voluntary, in Québec.

#### *Additional information*

- Progression to supervisory positions, such as pressroom supervisor, is possible with experience.

### **73402 Drillers and blasters - surface mining, quarrying and construction**

Drillers and blasters in surface mining, quarrying and construction operate mobile drilling machines to bore blast holes in open-pit mines and quarries and to bore holes for blasting and for building foundations at construction sites. Blasters in this unit group fill blast holes with explosives and detonate explosives to dislodge coal, ore and rock or to demolish structures. They are employed by mining, quarrying and construction companies and by drilling and blasting contractors.

#### *Illustrative example(s)*

- blaster - quarrying
- blaster - surface mining

- construction driller
- driller - surface mine
- open-pit blaster
- rotary drilling machine operator

#### *Exclusion(s)*

- Blaster - underground mining (See 83100-Underground production and development miners)
- Driller - oil and gas drilling (See 83101-Oil and gas well drillers, servicers, testers and related workers)
- Driller - underground mining (See 83100-Underground production and development miners)
- Drilling and blasting foreman/woman - construction (See 72021-Contractors and supervisors, heavy equipment operator crews)
- Surface mine supervisor (See 82020-Supervisors, mining and quarrying)
- Water well drillers (72501)

#### *Main duties*

This group performs some or all of the following duties:

##### Drillers

- Drive and operate tracked or truck-mounted rotary drilling, air-track or other drilling machines to bore large blast holes to specified depths at staked positions in open-pit mine or quarry
- Operate drilling machines to drill blast holes in rock at road or other construction sites
- Operate tracked or truck-mounted drill equipped with auger or other attachment to drill holes for building foundations or pilings
- May measure location and stake out pattern of holes to be drilled, load blast holes with explosives and detonate explosives to dislodge coal, ore or rock.

##### Blasters

- Read instructions or diagrams, lay out drill pattern and determine depth and diameter of blast holes and conduct field tests to determine type and quantity of explosives required
- Assemble or direct other workers to assemble primer charges using selected detonators, fuses, detonating cords and other materials
- Load explosives in blast holes by hand or direct movement of bulk explosives trucks to load holes
- Connect electrical wires, detonating cords or fuses into series and connect series to blasting machines; press handle or button to detonate charges
- Handle, store and transport explosives and accessories in accordance with regulations and ensure that safety procedures are observed
- May operate air-track, rotary, down-the-hole or other drilling machines to drill blast holes or may direct drilling of blast holes.

#### *Employment requirements*

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Experience as a heavy equipment operator may be required for drillers.
- Experience as a blaster helper in surface mining and quarrying or construction may be required for blasters.



- Provincial blasting licence is usually required for blasters.
- Trade certification for blasters is compulsory in Nova Scotia.

#### *Additional information*

- Drillers and blasters often perform both drilling and blasting activities.
- Progression to supervisory positions is possible with experience.

## **74 Mail and message distribution, other transport equipment operators and related maintenance workers**

This major group comprises mail and message distribution, other transport equipment operators and related maintenance workers. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 4. Occupations classified in TEER 4, as those included in this group with a 4 as the second digit of their code, typically require completion of secondary school; or several weeks of on-the-job training with some secondary school education; or experience in a related occupation from TEER 5, when applicable (TEER 5 includes occupations with a 5 as a second digit in their code).

### **741 Mail and message distribution occupations**

This sub-major group comprises mail and message distribution occupations, including mail and parcel sorters and related occupations; letter carriers; and couriers and messengers.

#### **7410 Mail and message distribution occupations**

This minor group comprises mail and message distribution occupations, including mail and parcel sorters and related occupations; letter carriers; and couriers and messengers. They are employed by Canada Post Corporation, courier and parcel express companies and establishments throughout the public and private sectors.

#### **74100 Mail and parcel sorters and related occupations**

Mail and parcel sorters and workers in related occupations process and sort mail and parcels in post offices, mail processing plants, warehouses and internal mail rooms. They are employed by Canada Post Corporation, courier and parcel express companies and establishments throughout the public and private sectors.

#### *Illustrative example(s)*

- mail sorter
- postal clerk - mail and parcel sorting

#### *Exclusion(s)*

- Couriers and messengers (74102)
- Letter carriers (74101)
- Postal services representatives (64401)
- Supervisors, mail and message distribution occupations (72025)

#### *Main duties*

This group performs some or all of the following duties:

##### Mail sorters

- Sort mail according to destination
- Bundle, label, bag and route sorted mail to the proper delivery stream

- Operate vehicles and material handling equipment in order to sort mail and load postal trucks
- Search directories to find the correct address for redirected mail.

#### Mailroom clerks

- Receive, process, sort and distribute incoming and outgoing mail, faxes, messages and courier packages manually or electronically
- Maintain address databases and produce personalized mailings
- Print and photocopy material, stuff envelopes and affix address labels
- Weigh outgoing mail, calculate and affix proper postage, and bundle by postal code
- May operate and maintain print shop and mailing house equipment.

#### *Employment requirements*

- Completion of secondary school and some college office administration courses may be required.
- On-the-job training is required.
- Physical fitness may be required for some occupations in this unit group.

#### *Additional information*

- Progression to supervisory or facility management positions is possible with additional training or experience.

### **74101 Letter carriers**

Letter carriers sort and deliver mail, record delivery of registered mail and collect money for cash-on-delivery parcels. They are employed by Canada Post Corporation.

#### *Illustrative example(s)*

- letter carrier
- postal carrier
- rural mail carrier

#### *Exclusion(s)*

- Couriers and messengers (74102)
- Letter carriers supervisor (See 72025-Supervisors, mail and message distribution occupations)
- Mail and parcel sorters and related occupations (74100)
- Postal services representatives (64401)

#### *Main duties*

This group performs some or all of the following duties:

- Organize mail by address and load into mailbag
- Deliver letters, small parcels and other printed matter along established routes
- Deliver telegrams, special delivery and express mail
- Collect payment for cash-on-delivery service
- Record delivery of registered mail

- Leave notices indicating that items could not be delivered and the location where they can be picked up
- Return undeliverable mail to postal station.

#### *Employment requirements*

- Some secondary school education is required.
- Two weeks to one month of training is provided by Canada Post Corporation.
- Physical fitness is required for some occupations in this unit group.

#### *Additional information*

- Progression to supervisory positions is possible with additional training or experience.

### **74102 Couriers and messengers**

Couriers and messengers pick up and deliver letters, parcels, packages, messages and other items within and between establishments. They are employed by courier service companies and other establishments throughout the public and private sectors.

#### *Illustrative example(s)*

- bank messenger
- courier
- courier service driver
- delivery person - courier service
- mail service courier
- runner - courier service

#### *Exclusion(s)*

- Delivery service drivers and door-to-door distributors (75201)
- Letter carriers (74101)
- Supervisors, mail and message distribution occupations (72025)

#### *Main duties*

This group performs some or all of the following duties:

- Pick up messages, letters, envelopes, parcels, airline tickets, legal documents, packages, bonds, cheques, securities and other items from customers, and hand-deliver them to addresses within an establishment or in other establishments by walking, cycling or driving within prescribed time periods
- Collect payment for items delivered
- Keep record of items received and delivered using delivery information acquisition devices.

#### *Employment requirements*

- Secondary school education may be required.
- Eligibility for bonding may be required.
- Ability to navigate streets and follow directions is usually required.
- Physical fitness is required for some occupations in this unit group.

*Additional information*

- There is some mobility into other delivery occupations such as delivery drivers.
- There may be mobility to clerical occupations within the company.
- Progression to supervisory positions may be possible with experience.

**742 Transport equipment operators, utility maintenance and related workers**

This sub-major group comprises transport equipment operators, utility maintenance and related workers, including railway yard and track maintenance workers; water transport deck and engine room crew; air transport ramp attendants; automotive and heavy truck and equipment parts installers and servicers; utility maintenance workers; and public works maintenance equipment operators and related workers.

**7420 Transport equipment operators, utility maintenance and related maintenance workers**

This minor group comprises transport equipment operators, utility maintenance and related maintenance workers, including railway yard and track maintenance workers; water transport deck and engine room crew; air transport ramp attendants; automotive and heavy truck and equipment parts installers and servicers; utility maintenance workers; and public works maintenance equipment operators and related workers. They are employed by railway and marine transport companies; the federal government; cable ferry companies, ferry terminals, marine companies and canal, port and harbour authorities; airline and air services companies; automobile and truck service and repair shops; service departments of industrial establishments; and construction, mining and logging companies.

**74200 Railway yard and track maintenance workers**

Railway yard workers regulate yard traffic, couple and uncouple trains and perform related yard activities. Railway track maintenance workers operate machines and equipment to lay, maintain and repair railway tracks. They are employed by railway transport companies.

*Illustrative example(s)*

- ballast regulator operator - railway
- car controller - railway
- control tower operator - railway
- machine operator - railway
- rail saw operator
- railway equipment operator
- railway track patroller
- railway trackman/woman
- section worker - railway
- signal tower operator - railway
- spike machine operator - railway
- switch tender - railway yard
- tie tamper operator - railway
- towerman/woman - railway transport
- yard coupler - railway
- yard worker - railway

*Inclusion(s)*

- motor vehicle operator - pole yard

*Exclusion(s)*

- Contractors and supervisors, heavy equipment operator crews (72021)
- Railway and motor transport labourers (75211)
- Railway conductors and brakemen/women (73311)
- Supervisors, railway transport operations (72023)

*Main duties*

This group performs some or all of the following duties:

*Railway yard workers*

- Operate control panel switches from railway yard tower to set traffic signals and to activate train switches that regulate railway traffic in railway yards
- Operate car retarders, turntables and track switches to align locomotives and cars as required for coupling, uncoupling or servicing
- Switch cars according to instructions which indicate the location, disposition and number of cars
- Lubricate moving parts of railway cars and locomotives.

*Railway track maintenance workers*

- Operate machines and equipment such as sleeper sliders, anchors, rail lifters, drag drills, drag diggers, rail saws and tie-bar cranes to lay, maintain, repair, and align railway tracks, to transfer, spread, level and tamp ballast around ties and rails and to clear snow from tracks
- Clean and make minor repairs to machines and equipment
- Patrol assigned track sections to identify and report damaged or broken track
- Perform other track maintenance duties as directed.

*Employment requirements*

- Some secondary school education is usually required.
- Experience as a railway labourer is required.
- On-the-job training is provided.
- Railway yard workers require a Canadian Rail Operating Rules certificate.

*Additional information*

- Progression to a position such as brakeman is possible with experience.

**74201 Water transport deck and engine room crew**

Water transport deck and engine room crew stand watch, operate and maintain deck equipment, perform other deck and bridge duties and assist ship engineer officers to operate, maintain and repair engines, machinery and auxiliary equipment aboard ships or self-propelled vessels. They are employed by marine transportation companies and federal government departments.

*Illustrative example(s)*

- able seaman/woman (except armed forces)

- boatswain - water transport
- deckhand
- engine room crew member - ship
- helmsman/woman - water transport
- marine engine oiler
- marine engineering mechanic
- ship stoker
- ship tunnel operator

#### *Exclusion(s)*

- Deck officers, water transport (72602)
- Engineer officers, water transport (72603)
- Fishing vessel deckhands (84121)

#### *Main duties*

This group performs some or all of the following duties:

##### Deck crew - water transport

- Stand watch and steer ship or self-propelled vessel under the direction of the officer on watch
- Operate, maintain and repair deck equipment such as winches, cranes, derricks and hawsers
- Clean, chip and paint deck surfaces
- Handle mooring lines, and splice and repair ropes, wire cables and other cordage
- Load, discharge and secure ship cargo.

##### Engine room crew - water transport

- Assist ship engineer officers in performing routine maintenance work and repair to ship's engine, machinery and auxiliary equipment
- Monitor engine, machinery and equipment indicators, record variables and report abnormalities to ship engineer officer on watch
- Lubricate moving parts of engines, machinery and auxiliary equipment
- Operate and maintain off-loading liquid pumps and valves
- Maintain engine parts and keep engine room clean.

#### *Employment requirements*

- Some secondary school education is required.
- On-the-job training is provided.

#### *Additional information*

- Training and testing for various endorsements and certification, including the Marine Emergency Duty (MED) certificate, occur following employment as a deck crew member.
- Senior positions in this unit group, such as able seaman/woman, require experience.
- Progression to deck or ship engineer officer positions is possible with experience, additional training and deck officer certification by Transport Canada.

## 74202 Air transport ramp attendants

Air transport ramp attendants operate ramp-servicing vehicles and equipment, handle cargo and baggage and perform other ground support duties at airports. They are employed by airline and air services companies and the federal government.

### *Illustrative example(s)*

- aircraft groomer
- airport ramp attendant
- cargo attendant - air transport
- ramp agent - air transport
- ramp attendant - air transport
- ramp services supervisor - airport
- station attendant - air transport

### *Exclusion(s)*

- Airline load planner (See 64312-Airline ticket and service agents)
- Material handlers (75101)

### *Main duties*

This group performs some or all of the following duties:

- Drive and operate ramp-servicing vehicles and equipment such as towing tractors, food service trucks, de-icer sprayers and lavatory servicing trucks
- Position passenger loading stairs and operate aircraft cargo doors
- Marshal or tow aircrafts to gate positions for passenger boarding and deplaning and for loading and unloading of cargo
- Sort and load cargo and passenger baggage according to instructions forwarded by load planner to achieve proper balance
- Unload, sort and route cargo and baggage
- Transport freight between aircraft and airport warehouse
- Clean and prepare aircraft interior for passengers and wash aircraft exterior.

### *Employment requirements*

- Completion of secondary school is usually required.
- Experience operating baggage transporting equipment or warehouse experience may be required.
- A driver's licence and a good driving record are usually required.

### *Additional information*

- There is mobility among jobs in this unit group.

## 74203 Automotive and heavy truck and equipment parts installers and servicers

Automotive and heavy truck and equipment parts installers and servicers install replacement automotive mechanical parts such as mufflers, exhaust pipes, shock absorbers, springs and radiators and perform routine maintenance service such as oil changes, lubrication and tire repairs on automobiles, trucks and heavy

equipment. They are employed by automobile and truck service and repair shops, service departments of industrial establishments and construction, mining and logging companies.

*Illustrative example(s)*

- crane greaser
- heavy equipment servicer (except mechanic)
- muffler installer
- radiator installer - auto repair service
- shock absorber installer
- spring installer
- tire repairer

*Exclusion(s)*

- Automotive service technicians, truck and bus mechanics and mechanical repairers (72410)
- Contractors and supervisors, mechanic trades (72020)
- Heavy-duty equipment mechanics (72401)

*Main duties*

This group performs some or all of the following duties:

- Change engine oil and lubricate running gears or moving parts of automobiles, trucks and heavy equipment
- Grease booms, pulleys, buckets and other components of heavy equipment
- Replace oil, air and fuel filters on motor vehicles, trucks and heavy equipment
- Install replacement mufflers, exhaust pipes, shock absorbers or radiators on motor vehicles, trucks and heavy equipment
- Repair and balance tires
- Add or replace hydraulic and transmission fluids in motor vehicles, trucks and heavy equipment
- Assist mechanics and perform other duties as directed
- Drive automobile or service truck to location of construction, logging or other industrial sites to provide services.

*Employment requirements*

- Some secondary school is usually required.
- Several weeks of on-the-job training are usually required.

*Additional information*

- There is some mobility among installers and servicers in this unit group.
- Progression to supervisory positions is possible with experience.

## **74204 Utility maintenance workers**

Utility maintenance workers locate, repair, install and perform maintenance work to various equipment and facilities, such as water filtration and distribution plants, waste water treatment plants and power plants. They may also work on exterior and underground gas mains and distribution lines. They are employed by municipal, provincial and federal public works departments, private contractors under contract with government public works departments and gas distribution companies.



*Illustrative example(s)*

- gas leak locator
- gas maintenance worker
- gas utility operator
- pipeline maintenance worker
- pipeline patrolman/woman
- power pole inspector
- utility locator
- utility plant maintenance worker
- waterworks maintenance worker

*Exclusion(s)*

- Gas fitters (72302)
- Localiser - linguistic (See 51114-Translators, terminologists and interpreters)
- Supervisors, petroleum, gas and chemical processing and utilities (92011)
- Water and waste treatment plant operators (92101)

*Main duties*

This group performs some or all of the following duties:

*Waterworks maintenance workers*

- Check, clean and lubricate waterworks equipment, such as pumping equipment, chlorination equipment and compressors
- Adjust and repair waterworks equipment under the direction of qualified tradesperson
- Search and locate reported water leaks and repair water-mains, valves or outlets
- Install water meters using hand and power tools.

*Gas maintenance workers*

- Check and lubricate gas pipeline valves
- Conduct routine survey of gas mains and distribution lines to detect and locate escaping gas using gas detecting devices
- Investigate reports of gas leaks to determine the exact location and extent of leaks
- Dig ground to expose gas lines and repair damaged pipes
- Keep record of work performed and location and condition of pipelines
- Provide information on underground gas distribution lines and observe excavation work to ensure that underground gas facilities are protected.

*Other utility workers*

- Operate equipment and instruments to locate and mark underground utility lines and pipes
- Provide information on underground utility lines
- Operate equipment and hand tools to inspect and test utility poles for decay and deterioration.

### *Employment requirements*

- Completion of secondary school may be required.
- Several years of experience as a labourer in the same company may be required.
- On-the-job training is provided.
- Drinking water certification is required in Quebec and Ontario for waterworks maintenance workers.

### *Additional information*

- Mobility between jobs in this unit group normally occurs within the same area of work, such as within waste water treatment plants, within water filtration and distribution plants or within gas distribution plants.
- Progression to supervisory positions is possible with experience.

## **74205 Public works maintenance equipment operators and related workers**

Public works maintenance equipment operators and related workers operate vehicles and equipment to maintain streets, highways and sewer systems and operate trucks to collect garbage and recyclable materials. This unit group also includes workers who clear vegetation close to power lines. They are employed by municipal, provincial and federal public works departments, private contractors under contract with government public works departments and private companies involved in the collection of refuse and recyclable materials.

### *Illustrative example(s)*

- garbage truck driver
- municipal maintenance equipment operator
- public works maintenance equipment operator
- salt truck operator
- sand spreader operator
- sewer-flushing truck operator - public works
- snow removal equipment operator - public works
- street flusher operator
- street sweeper operator
- utility arborist

### *Exclusion(s)*

- Heavy equipment operators (73400)
- Landscaping and grounds maintenance labourers (85121)
- Public works and maintenance labourers (75212)
- Public works maintenance equipment operators supervisor (See 72021-Contractors and supervisors, heavy equipment operator crews)
- Transport truck drivers (73300)

### *Main duties*

This group performs some or all of the following duties:

- Operate garbage trucks to remove garbage and other refuse and dump loads at designated sites
- Operate street cleaning equipment such as street sweepers or other vehicles equipped with rotating brushes to remove sand, litter and trash

- Operate snowplows or trucks fitted with plow blades to remove snow from streets, highways, parking lots and similar areas
- Operate sewer maintenance equipment such as rodders and sewer jet cleaners to maintain and repair sewer systems
- Operate trucks equipped with apparatuses for spreading sand, salt or abrasives on roadways
- Operate chainsaws and other clearing equipment to fell trees and cut back vegetation close to power lines
- Check, lubricate, refuel and clean equipment and report any malfunctions to supervisor.

#### *Employment requirements*

- Some secondary school may be required.
- Experience as a public works labourer is usually required.
- On-the-job training is provided.
- A driver's licence appropriate to a specific type of equipment may be required.
- Trade certification for utility arborists is available, but voluntary, in Ontario and British Columbia.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

## **75 Helpers and labourers and other transport drivers, operators and labourers**

This major group comprises helpers and labourers and other transport drivers, operators and labourers. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 5. Occupations classified in TEER 5, as those included in this group with a 5 as the second digit of their code, are typically accessible with short work demonstration and no formal educational requirements.

### **751 Helpers and labourers**

This sub-major group comprises helpers and labourers, including longshore workers and material handlers, and trades helpers and labourers.

#### **7510 Longshore workers and material handlers**

This minor group comprises longshore workers and material handlers. They are employed by marine cargo handling companies, shipping agencies and shipping lines; transportation, storage and moving companies; and a variety of manufacturing and processing companies and retail and wholesale warehouses.

##### **75100 Longshore workers**

Longshore workers transfer cargo throughout dock area and onto and from ships and other vessels. They are employed by marine cargo handling companies, shipping agencies and shipping lines.

#### *Illustrative example(s)*

- dockworker
- longshore worker
- longshoreman/woman
- ship loader operator
- stevedore
- tanker loader

### *Exclusion(s)*

- Crane operators (72500)
- Longshore worker superintendent (See 72021-Contractors and supervisors, heavy equipment operator crews)
- Longshore workers foreman/woman (See 72021-Contractors and supervisors, heavy equipment operator crews)
- Material handlers (75101)

### *Main duties*

This group performs some or all of the following duties:

- Operate industrial trucks, tractors and other mobile equipment to transfer cargo, such as containers, crated items, automobiles and pallet-mounted machinery, around dock to within range of cranes and hoists
- Operate winches or other hoisting devices to load and unload cargo onto and from ships and other vessels
- Operate mechanical towers to load vessels with materials such as coal and ore
- Operate equipment to transfer bulk materials, such as grain, to hold of vessels
- Connect hoses and operate equipment to transfer liquid materials into storage tanks on vessels
- Perform other activities such as lashing and shoring cargo aboard ships, opening and closing hatches, cleaning holds of ships and rigging cargo.

### *Employment requirements*

- Some secondary school education may be required.
- On-the-job training is provided.

### *Additional information*

- Progression to foreman/woman or supervisor of longshore workers is possible with experience.

## **75101 Material handlers**

Material handlers handle, move, load and unload materials by hand or using a variety of material handling equipment. They are employed by transportation, storage and moving companies, and by a variety of manufacturing and processing companies and retail and wholesale warehouses.

### *Illustrative example(s)*

- bin filler
- coal handler
- conveyor console operator
- forklift truck operator
- freight handler (except air transport)
- furniture mover
- lumber piler - building supplies
- material handler
- railway car loader
- stockpiler
- storage worker - material handling

- truck loader
- warehouseman/woman

#### *Inclusion(s)*

- grain elevator operator

#### *Exclusion(s)*

- Contractors and supervisors, heavy equipment operator crews (72021)
- Freight attendant - air transport (See 74202-Air transport ramp attendants)
- Heavy equipment operators (73400)
- Longshore workers (75100)
- Mover helper (See 75211-Railway and motor transport labourers)
- Storekeepers and partpersons (14401)
- Warehouse distribution supervisor (See 12013-Supervisors, supply chain, tracking and scheduling coordination occupations)

#### *Main duties*

This group performs some or all of the following duties:

- Load, unload and move products and materials by hand or using basic material handling equipment
- Move household appliances and furniture onto and off moving trucks or vans
- Perform other material handling activities such as counting, weighing, sorting, packing and unpacking
- Operate winches and other loading devices to load and unload materials onto and off trucks, railway cars and loading docks of warehouses and industrial establishments
- Operate industrial trucks, tractors, loaders and other equipment to transport materials to and from transportation vehicles and loading docks and to store and retrieve materials in warehouses
- Connect hoses or pipes and operate equipment to load and unload liquid petroleum, chemical or other products into or from tank cars, tank trucks or storage tanks
- Operate equipment to dump materials such as coal, ore and grain into or to remove materials from railway cars, trucks or other vehicles
- Operate conveyors and equipment to transfer grain or other materials from transportation vehicles to elevators, bins or other storage areas
- May perform other activities, such as opening containers and crates, filling warehouse orders, assisting in taking inventory and weighing and checking materials.

#### *Employment requirements*

- Some secondary school education may be required.
- Physical strength is required for manual material handlers who work with heavy materials.

### **7511 Trades helpers and labourers**

This minor group comprises trades helpers and labourers, including Construction trades helpers and labourers, and other trades helpers and labourers. They are employed by construction companies; trade and labour contractors; surface mine and quarry operators; and a wide variety of manufacturing, utility and service companies.

## 75110 Construction trades helpers and labourers

Construction trades helpers and labourers assist skilled tradespersons and perform labouring activities at construction sites, in quarries and in surface mines. They are employed by construction companies, trade and labour contractors, and surface mine and quarry operators.

### *Illustrative example(s)*

- asphalt spreader
- bricklayer helper
- carpenter helper
- concrete mixer helper
- concrete paving labourer
- construction helper
- construction labourer
- demolition worker
- driller helper - surface mining
- drywall sander
- excavation labourer
- flagperson
- glazier helper
- pipeline mandrel operator
- plumber helper
- roofer helper
- stabber - pipeline construction

### *Inclusion(s)*

- rigger (except shipbuilding and aircraft assembly)
- rigger - construction

### *Exclusion(s)*

- Other trades helpers and labourers (75119)
- Public works and maintenance labourers (75212)

### *Main duties*

This group performs some or all of the following duties:

- Load and unload construction materials, and move materials to work areas
- Erect and dismantle concrete forms, scaffolding, ramps, catwalks, shoring and barricades required at construction sites
- Mix, pour and spread materials such as concrete and asphalt
- Assist tradespersons such as carpenters, bricklayers, cement finishers, roofers and glaziers in construction activities
- Assist heavy equipment operators to secure special attachments to equipment, signal operators to guide them in moving equipment and provide assistance in other activities

- Assist in aligning pipes and perform related activities during oil and gas pipeline construction
- Assist in drilling and blasting rock at construction sites
- Assist miners in excavating and in setting up and operating various drills and other surface mining machinery
- Level earth to fine grade specifications using rake and shovel
- Assist in demolishing buildings using prying bars and other tools, and sort, clean and pile salvaged materials
- Remove rubble and other debris at construction sites using rakes, shovels, wheelbarrows and other equipment
- Operate pneumatic hammers, vibrators and tampers as directed
- Tend or feed machines or equipment used in construction such as mixers, compressors and pumps
- Clean up chemical spills and other contaminants, and remove asbestos and other hazardous materials
- Oil and grease hoists and similar equipment
- Direct traffic at or near construction sites
- Perform other activities at construction sites, as directed.

#### *Employment requirements*

- Some experience as a general construction labourer may be required for construction trade helpers.
- Some pipeline workers, such as stabbers, mandrel operators and pre-heater tenders, usually require one season of experience in oil and gas pipeline construction.
- Flagmen/women may require a traffic control certificate.
- Riggers and slingers may require a rigging certificate.
- On-the-job training may be provided.

#### *Additional information*

- Mobility is possible among workers in this unit group.
- Progression from rigger to crane operator is possible with experience and additional certification.

### **75119 Other trades helpers and labourers**

Other trades helpers and labourers assist skilled tradespersons and perform labouring activities in the installation, maintenance and repair of industrial machinery, refrigeration, heating and air conditioning equipment, in the maintenance and repair of transportation and heavy equipment, in the installation and repair of telecommunication and power cables and in other repair and service work settings. They are employed by a wide variety of manufacturing, utility and service companies.

#### *Illustrative example(s)*

- aerial spraying assistant
- aircraft mechanic helper
- cable installer helper
- diesel mechanic helper
- ground worker - telecommunications
- mechanic's helper - automotive
- millwright helper
- refrigeration mechanic helper

- splicer helper - telecommunications
- surveyor helper

#### *Exclusion(s)*

- Construction trades helpers and labourers (75110)

#### *Main duties*

This group performs some or all of the following duties:

- Move tools, equipment and other materials to and from work areas
- Assist in splicing overhead and underground communications and electric power transmission cables
- Assist in repairing, maintaining and installing industrial machinery and equipment
- Assist in repairing, maintaining and installing refrigeration, heating and air conditioning equipment
- Assist in repairing, maintaining and installing elevators
- Assist in repairing and maintaining stationary electric power generating and distribution equipment
- Assist in mechanical, electrical and body repairs of aircraft, railway cars, automobiles, trucks, buses, heavy equipment and motorcycles
- Assist in repairing electrical appliances, small engines or other similar equipment
- Mix fertilizers, herbicides and pesticides and load mixture into airplane for aerial spraying
- Assist in land surveying activities, such as holding or moving stakes and rods, clearing brush and debris from line of survey and transporting surveying tools to work area
- Perform other labouring and elemental tasks as required.

#### *Employment requirements*

- Some secondary school education may be required.
- On-the-job training is provided.

#### *Additional information*

- There is little or no mobility between occupations in this unit group.

## **752 Transport drivers, operators and labourers**

This sub-major group comprises transport drivers, operators and labourers, including taxi and personal service and delivery service drivers, and water and rail transport operators and labourers and related occupations.

### **7520 Taxi, personal service and delivery service drivers**

This minor group comprises taxi, personal service and delivery service drivers, including taxi and limousine drivers and chauffeurs, and delivery service drivers and door-to-door distributors. They are employed by taxi and other transportation service companies; retail, food and other personal service businesses, governments; private individuals and families; and many other establishments; or they may be self-employed.

#### **75200 Taxi and limousine drivers and chauffeurs**

Taxi and limousine drivers drive automobiles and limousines to transport passengers. Chauffeurs drive automobiles and limousines to transport personnel and visitors of businesses, government or other organizations or members of private households. Taxi and limousine drivers are employed by taxi and other transportation service companies, or they may be self-employed. Chauffeurs are employed by businesses, government and other organizations, or private individuals or families.



*Illustrative example(s)*

- airport limousine driver
- company chauffeur
- limousine driver
- private chauffeur
- taxi driver

*Exclusion(s)*

- Supervisors, motor transport and other ground transit operators (72024)
- Taxi dispatcher (See 14404-Dispatchers)

*Main duties*

This group performs some or all of the following duties:

*Taxi and limousine drivers*

- Pick up passengers and drive them to destinations in taxicabs or limousines
- Help passengers with luggage and with boarding and exiting vehicles and assist passengers with special needs
- Collect flat-rate or taximeter fares
- Maintain travel logs and record cash and credit transactions
- Maintain contact with taxi dispatch unit
- Clean and make minor repairs to vehicle or take vehicle for servicing
- May provide pick up and delivery services on request.

*Chauffeurs*

- Pick up or meet employer according to request, appointment or schedule
- Drive employer to destinations in automobile or limousine
- Perform business and personal errands for employer such as delivering and picking up mail, business documents and parcels
- Clean and make minor repairs to vehicle or take vehicle for servicing.

*Employment requirements*

- Some secondary school education is usually required.
- A minimum of one year of safe driving experience is usually required.
- A Class G driver's licence is required in Ontario, and a Class 4 driver's licence is required in all other provinces and the territories.
- Taxi and limousine drivers require good knowledge of the geographical area to be covered and may have to pass written street/building location and safety examinations.
- Taxi drivers usually require a municipal permit.
- First aid certification may be required.

*Additional information*

- Mobility from taxi or limousine driver to chauffeur is possible with experience.

## 75201 Delivery service drivers and door-to-door distributors

Delivery service drivers drive automobiles, vans and light trucks to pick up and deliver various products. Door-to-door distributors deliver items to residences and businesses. They are employed by dairies, drug stores, newspaper distributors, take-out food establishments, dry cleaners, mobile caterers and many other establishments, or they may be self-employed.

### *Illustrative example(s)*

- bread deliverer
- canteen driver
- delivery driver
- door-to-door distributor
- driver salesperson
- dry cleaning driver
- flyer distributor
- newspaper carrier
- newspaper delivery driver
- pizza delivery driver
- vending machine driver-supplier

### *Exclusion(s)*

- Couriers and messengers (74102)
- Delivery drivers supervisor (See 72024-Supervisors, motor transport and other ground transit operators)
- Delivery truck helper (See 75211-Railway and motor transport labourers)
- Dispatchers (14404)
- Garbage truck driver (See 74205-Public works maintenance equipment operators and related workers)
- Heavy truck driver (See 73300-Transport truck drivers)

### *Main duties*

This group performs some or all of the following duties:

- Operate and drive automobiles, vans and light trucks to pick up and deliver various products, such as food, newspapers, magazines, bakery and dairy products, and items such as dry cleaning
- Deliver newspapers, flyers, handbills, telephone directories and similar items to residences and businesses
- Perform pre-trip and post-trip inspection of vehicle
- Plan delivery travel schedules and service routes
- Load and unload cargo, goods or merchandise
- Provide customer service by selling products, delivering over established routes and accepting or making payments for goods
- Record information on pick-ups and deliveries, vehicle mileage and fuel costs and report any incidents or problems encountered
- May scan and sort freight or cargo for delivery
- May assemble, install or set-up delivered goods or merchandise
- May communicate with central dispatch using mobile communications equipment.

*Employment requirements*

- Some secondary school is usually required.
- A driver's licence appropriate to the class of vehicle being driven is required.
- One year of safe driving experience is usually required.
- On-the-job training may be provided.
- Eligibility for bonding and transportation of dangerous goods (TGD) certification may be required for delivery and courier drivers.

*Additional information*

- Progression to supervisory positions or to non-driving occupations, such as driver trainer or dispatcher is possible with additional training or experience.

**7521 Water and rail transport operators and labourers and related occupations**

This minor group comprises water and rail transport operators and labourers and related occupations, including boat and cable ferry operators and related occupations; railway and motor transport labourers; and public works and maintenance labourers. They are employed by public works departments in all levels of government; private contractors under contract to governments; and railway and water transport companies.

**75210 Boat and cable ferry operators and related occupations**

Boat and cable ferry operators and workers in related occupations operate lock gates, bridges and similar equipment along canal systems and operate cable ferries and ferry terminals. This unit group also includes boat operators, and owner-operators, who operate small motorboats or watercraft to transport passengers or freight. They are employed by the federal government, cable ferry companies, ferry terminals, marine companies and canal, port or harbour authorities. Owner-operators of small boats are self-employed.

*Illustrative example(s)*

- bridgemaster
- cable ferry operator
- canal lock operator
- charter boat operator
- ferry terminal worker
- launch master
- linesman/woman - canal lock system
- loading bridge operator
- lockmaster
- motorboat operator
- scow captain
- sightseeing boat operator
- small craft operator
- water taxi operator

*Exclusion(s)*

- Deck officers, water transport (72602)
- Water transport deck and engine room crew (74201)

### *Main duties*

This group performs some or all of the following duties:

#### Lock equipment operators

- Operate telecommunication equipment or use portable loudspeakers to direct movements of vessels in lock area
- Operate controls to open or close lock gates
- Operate controls to raise, lower or turn bridges
- Observe progress of vessels passing through locks.

#### Cable ferry operators

- Signal passengers and motor vehicles to embark and disembark
- Operate cable ferry across narrow waterway
- Perform routine maintenance and repairs to engine, cables and winches.

#### Ferry terminal workers

- Operate controls to adjust landing bridge, position or remove gangplank, open or close doors and gates, and secure or remove docking devices
- Signal passengers and motor vehicles to embark and disembark
- May collect tickets or fares from passengers.

#### Boat operators

- Operate motorboats, launches, small ferry boats and other similar vessels to transport passengers or freight
- Maintain boats and equipment on board, such as engines, winches, derricks, fire extinguishers and life preservers
- May perform other duties, such as checking for oil spills or other pollutants around ports and harbours, patrolling beaches and measuring depth of water.

### *Employment requirements*

- Some secondary school education is usually required.
- On-the-job training is provided.
- Master, Master Limited or Small Vessel Operator Proficiency (SVOP) Certificate, issued by Transport Canada, is required for boat operators.
- Marine Emergency Duties (MED) training is required for boat operators and crew members.

### *Additional information*

- There is little or no mobility among lock equipment operators, cable ferry operators and ferry terminal workers.
- Mobility between boat operators in this unit group is possible.
- Progression from boat operator positions to deck officer positions is possible with additional training, experience and certification.

## 75211 Railway and motor transport labourers

Railway and motor transport labourers perform a variety of tasks to assist track maintenance workers and railway yard workers, or motor transport operators. They are employed by railway transport companies and motor transport companies.

### *Illustrative example(s)*

- car checker - railway
- delivery truck helper
- furniture mover helper
- mover helper
- railway labourer
- signal gang helper
- swamper - truck transport
- truck driver helper

### *Exclusion(s)*

- Material handlers (75101)
- Railway car greaser (See 74200-Railway yard and track maintenance workers)
- Railway car oiler (See 74200-Railway yard and track maintenance workers)

### *Main duties*

This group performs some or all of the following duties:

#### Railway labourers

- Transport tools and equipment on push or hand car and perform other duties to assist railway track maintenance workers to lay, maintain and repair railway tracks
- Cut vegetation growth from railway tracks using scythes and mowers
- Check freight cars for physical damage and cleanliness.

#### Motor transport labourers

- Assist truck and delivery drivers to load and unload vehicles
- Perform labouring duties in warehouses.

### *Employment requirements*

- Some secondary school education is usually required.

### *Additional information*

- With experience, railway labourers may progress to railway track maintenance workers or railway yard workers.

## 75212 Public works and maintenance labourers

Public works and maintenance labourers perform a variety of labouring activities to maintain sidewalks, streets, roads and similar areas. They are employed by public works departments in all levels of government or by private contractors under contract to governments.

*Illustrative example(s)*

- helper - garbage collection
- municipal labourer
- parking meter collector
- public works labourer
- road maintenance worker
- sewer maintenance worker
- sidewalk cleaner

*Exclusion(s)*

- Construction worker (See 75110-Construction trades helpers and labourers)
- Park maintenance labourer (See 85121-Landscaping and grounds maintenance labourers)
- Public works maintenance equipment operators and related workers (74205)
- Public works maintenance equipment operators supervisor (See 72021-Contractors and supervisors, heavy equipment operator crews)

*Main duties*

This group performs some or all of the following duties:

- Clean and maintain sidewalks, streets, roads and public grounds of municipality and other areas, working as member of crew
- Sweep debris and remove snow from streets, sidewalks, building grounds and other areas, and load snow and debris into carts or trucks
- Shovel cement and other materials into cement mixers, spread concrete and asphalt on road surfaces using shovels, rakes and hand tampers, and perform other activities to assist in maintenance and repair of roads
- Spread sand or salt on sidewalks for snow and ice control
- Dig ditches and trenches using shovels and other hand tools
- Operate jackhammers and drills to break up pavement
- Load and unload trucks with supplies and equipment
- Collect money from coin boxes of parking meters along established route
- Collect and load refuse on garbage trucks
- Assist equipment operators to secure attachments to equipment or trucks
- Assist in routine maintenance and repair of equipment
- Assist skilled tradespersons such as carpenters, plumbers and mechanics
- May operate mobile sidewalk-cleaning equipment.

*Employment requirements*

- Several weeks of on-the-job training are provided.

*Additional information*

- Progression to supervisory positions or to public works maintenance equipment operator positions is possible with experience.

## 8 Natural resources, agriculture and related production occupations

This broad category comprises middle management occupations in natural resources, agriculture and related production, as well as occupations concerned with supervision and equipment operation in the natural resource-based sectors of mining, oil and gas production, forestry and logging, agriculture, horticulture and fishing. Harvesting, landscaping and natural resources labourers are also included. Most occupations in this category are industry specific and do not occur outside of the primary resources industries.

### 80 Middle management occupations in production and agriculture

This major group comprises middle management occupations in production and agriculture. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

#### 800 Middle management occupations in production and agriculture

This sub-major group comprises middle management occupations in production and agriculture, including managers in natural resources production and fishing, and managers in agriculture, horticulture and aquaculture.

#### 8001 Managers in natural resources production and fishing

This minor group comprises managers in natural resources production and fishing. They are employed by establishments in forestry and logging, mining and quarrying, oil and gas drilling, production and servicing operations, and commercial fishing.

#### 80010 Managers in natural resources production and fishing

Managers in natural resources production and fishing plan, organize, direct, control and evaluate the operations of establishments in forestry and logging, mining and quarrying, oil and gas drilling, production and servicing operations, and commercial fishing.

##### *Illustrative example(s)*

- director of mining
- drilling operations manager
- fishing operations manager
- forestry operations manager
- gas field operations manager
- mine manager
- oil well servicing manager
- quarry manager
- shore captain - fishing

##### *Exclusion(s)*

- Contractors and supervisors, oil and gas drilling and services (82021)
- Fishing masters and officers (83120)
- Managers in agriculture (80020)
- Research director - forestry (See 20011-Architecture and science managers)
- Research director - mining (See 20011-Architecture and science managers)
- Senior managers - construction, transportation, production and utilities (00015)

- Supervisors, logging and forestry (82010)
- Supervisors, mining and quarrying (82020)

#### *Main duties*

This group performs some or all of the following duties:

- Oversee and analyze operations in forestry, logging, mining, quarrying, or oil and gas operations or in services to logging, mining and oil and gas industries, or in commercial fishing
- Recommend operational changes to senior management when necessary to ensure that production quotas and procedures are met
- Prepare production reports for review by senior management
- Confer with other managers to set production quotas, to plan extraction sites and to develop policies for the removal of raw materials
- Evaluate efficiency of production sites to determine adequacy of personnel, equipment and technologies used, and make changes to work schedule or equipment when necessary
- Ensure adherence to safety regulations
- Hire personnel and oversee training needs of staff
- May direct peripheral activities such as the construction of access roads or temporary living quarters.

#### *Employment requirements*

- Forestry managers usually require a bachelor's degree in forestry science or forest engineering.
- Mining and quarrying managers usually require a bachelor's degree in mining engineering or earth sciences.
- Oil and gas managers usually require a bachelor's degree in geology, earth sciences or petroleum engineering.
- Several years of experience in a supervisory occupation in the particular industry are usually required and may substitute for formal education requirements.

#### *Additional information*

- Progression to senior management positions in the respective industries is possible with experience.

## **8002 Managers in agriculture, horticulture and aquaculture**

This minor group comprises managers in agriculture, horticulture and aquaculture. They are employed by farms, ranches and orchards; nurseries and greenhouses; and public and private fish hatcheries and commercial aquatic farms; or they may own and operate their own establishments; or they may be self-employed.

### **80020 Managers in agriculture**

Managers in agriculture plan, organize, direct, control and evaluate the operations and functions of farms. They are responsible for growing crops, raising and breeding livestock, poultry and other animals, marketing farm products and enhancing farms' sustainability through, notably, the implementation of new technologies. They usually own and operate their own establishment.

#### *Illustrative example(s)*

- apiarist
- apple grower
- chicken farmer



- dairy farmer
- domestic animal breeder
- fruit farmer
- hog breeder
- horse breeder
- maple syrup producer
- market gardener
- potato farmer
- rancher
- seed grower
- sod farmer
- vegetable grower
- vineyard manager
- viticulturist
- wheat farmer

#### *Exclusion(s)*

- Agricultural service contractors and farm supervisors (82030)
- Managers in horticulture (80021)

#### *Main duties*

This group performs some or all of the following duties:

- Manage the overall operations of a farm, ranch or orchard
- Determine the amount and kinds of crops to be grown and livestock to be raised
- Organize and coordinate planting, cultivating and crop harvesting activities; raising and breeding of livestock and poultry
- Hire and manage farm personnel
- Establish a marketing program
- Develop and keep financial and production records
- Purchase farm machinery, livestock, seed, feed and other supplies
- Maintain farm machinery, equipment and buildings
- Perform farming duties
- May collect data and use digital technology tools and equipment to enhance the sustainability of the farm.

Managers in agriculture manage farms of various sizes which may specialize in particular crops such as wheat, apples or potatoes or raise particular livestock such as beef cattle, swine or poultry.

#### *Employment requirements*

- Extensive farming experience, obtained as a farm supervisor or specialized crop or livestock worker or by working on a farm, is usually required.
- A university degree or college diploma in agricultural management or other field related to crop or livestock production may be required.

## **80021 Managers in horticulture**

Managers in horticulture plan, organize, direct and control the activities of nursery and greenhouse staff who grow and market trees, shrubs, flowers and plants.

### *Illustrative example(s)*

- Christmas tree farm operator
- flower grower
- greenhouse manager
- greenhouse operator
- nursery manager
- nursery operator
- plant grower - nursery

### *Exclusion(s)*

- Nursery and greenhouse labourers (85103)
- Turf farmer AND sod farmer (See 80020-Managers in agriculture)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct and control the operations of nurseries and greenhouses
- Establish the environmental conditions required to grow trees, shrubs, flowers and plants, and design planting and care schedules accordingly
- Determine type and quantity of stock to grow
- Supervise staff in planting, transplanting, feeding and spraying stock
- Identify and control insect, disease and weed problems
- Develop marketing plans
- Provide information to customers on gardening and on the care of trees, shrubs, flowers, plants and lawns
- Order materials such as fertilizer, garden and lawn care equipment, and other nursery and greenhouse related accessories
- Hire and manage staff, oversee training and set work schedules
- Maintain records on stock, finances and personnel.

### *Employment requirements*

- Completion of a college program in horticulture is usually required.
- Experience as a nursery or greenhouse supervisor is required.

## **80022 Managers in aquaculture**

Managers in aquaculture manage operations of facilities which cultivate and harvest fish, shellfish or marine plants for replenishment of wildlife stocks or for commercial sale. They are employed by public or private fish hatcheries and commercial aquatic farms, or they may be self-employed.

### *Illustrative example(s)*

- aquaculture manager

- aquaculture operator
- fish farm operator
- fish farmer
- fish hatchery manager
- fish hatchery operator
- fish hatchery supervisor
- mussel grower
- oyster grower
- salmon grower
- shellfish farmer
- trout farmer

#### *Exclusion(s)*

- Aquaculture support worker (See 85102-Aquaculture and marine harvest labourers)
- Aquaculture technician (See 22110-Biological technologists and technicians)

#### *Main duties*

This group performs some or all of the following duties:

- Manage the overall operation of a fish hatchery, fish farm or other aquatic farm
- Identify requirements of the species and select and oversee preparation of site for species cultivation
- Coordinate selection and maintenance of brood stock
- Determine food requirements and structure feeding regimes
- Monitor environment and maintain optimum conditions
- Conduct and supervise stock examination to identify disease or parasites, and apply prescribed medicinal substances to control and prevent infection
- Operate and maintain cultivating and harvesting equipment
- Collect and record growth and production data
- Manage and train aquaculture and fish hatchery support workers and supervise technicians and technologists
- Maintain financial records and establish market strategies, inventory and quality control methods
- May scuba dive to inspect sea farm operations
- May design and construct pens, floating stations and collector strings or fences for sea farms.

#### *Employment requirements*

- Completion of secondary school is usually required.
- A college diploma in aquaculture or a related field  
or  
Several years of experience in fishing or aquaculture operations are usually required.
- A commercial aquaculture or fish hatchery licence, permit or lease is required for self-employed aquaculture managers.

## 82 Supervisors in natural resources, agriculture and related production

This major group comprises supervisors in natural resources, agriculture and related production. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

### 820 Supervisors in natural resources, agriculture and related production

This sub-major group comprises supervisors in natural resources, agriculture and related production, including supervisors, logging and forestry; contractors and supervisors, mining, oil and gas; and contractors and supervisors, agriculture, horticulture and related operations and services.

#### 8201 Supervisors, logging and forestry

This minor group comprises supervisors, logging and forestry. They are employed by logging companies, contractors and government agencies.

#### 82010 Supervisors, logging and forestry

Supervisors in logging and forestry supervise and coordinate the activities of workers engaged in logging operations and silvicultural operations. They are employed by logging companies, contractors and government agencies.

##### *Illustrative example(s)*

- forest operations supervisor
- forestry crew supervisor
- hook tender - logging
- logging contractor
- logging foreman/woman
- production supervisor - logging
- silviculture supervisor
- woods foreman/woman

##### *Exclusion(s)*

- Chain saw and skidder operators (84110)
- Forestry and logging manager (See 80010-Managers in natural resources production and fishing)
- Forestry technologists and technicians (22112)
- Logging machinery operators (83110)
- Silviculture and forestry workers (84111)

##### *Main duties*

This group performs some or all of the following duties:

- Supervise and coordinate the activities of logging and forestry workers in woodland operations, often in several work locations over several square kilometres
- Oversee silvicultural activities such as scarification, planting and vegetation control

- Schedule work crews, equipment and transportation for several work locations
- Resolve work problems and recommend measures to improve work methods
- Instruct workers in safety, recognize unsafe work conditions and modify work procedures
- Ensure that government regulations are met
- Communicate with forestry technical, professional and management personnel regarding forest harvesting and forest management plans, procedures and schedules
- Prepare production and other reports
- Hire and train new workers.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a one- to three-year college program for forestry technologists or technicians may be required.
- Formal company training and several months of on-the-job training are provided.
- Several years of experience as a logger, silvicultural worker, or logging machinery operator are usually required.
- A chemical application licence may be required.
- An industrial first aid certificate may be required.

## **8202 Contractors and supervisors, mining, oil and gas**

This minor group comprises contractors and supervisors, mining, oil and gas, including supervisors, mining and quarrying, and contractors and supervisors, oil and gas drilling and services. They are employed by coal, metal and non-metallic mineral mines and quarries; drilling and well service contracting companies; and petroleum producing companies; or they may be self-employed.

### **82020 Supervisors, mining and quarrying**

Supervisors in mining and quarrying supervise and coordinate activities of workers engaged in underground and surface mining operations and quarries. They are employed by coal, metal and non-metallic mineral mines and quarries.

#### *Illustrative example(s)*

- fill foreman/woman - underground mining
- mine captain
- mine foreman/woman
- mine supervisor
- quarry supervisor
- surface mine supervisor
- track boss - underground mining
- underground mine foreman/woman

#### *Exclusion(s)*

- Drillers and blasters - surface mining, quarrying and construction (73402)
- Heavy equipment operators (73400)
- Mine labourers (85110)

- Mine manager (See 80010-Managers in natural resources production and fishing)
- Underground mine service and support workers (84100)
- Underground production and development miners (83100)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who extract coal, minerals and ore; operate underground conveyances; and perform other services in support of underground mining, or of heavy equipment operators, drillers, blasters and other workers in surface mining and quarrying
- Establish methods to meet work schedules and confer with managerial and technical personnel, other departments and contractors to resolve problems and coordinate activities
- Oversee the safety of the mining or quarrying operations
- Resolve work problems and recommend measures to improve productivity
- Requisition materials and supplies
- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports.

#### *Employment requirements*

- Completion of secondary school is required.
- Completion of a college or university program in mining technology or engineering may be required for some positions in this group.
- Several years of experience in the occupations supervised are usually required.
- Provincial certification as an underground mine supervisor, shift boss, or coal mining supervisor may be required.

#### *Additional information*

- There is mobility between employers, especially for supervisors with post-secondary diplomas or degrees.
- Mobility between surface mining, underground mining, coal or metal mining sectors may be limited by differences in production technologies and licensing requirements.

### **82021 Contractors and supervisors, oil and gas drilling and services**

Contractors and supervisors in oil and gas drilling and services supervise and coordinate the activities in drilling for oil or gas, operating service rigs, or providing oil and gas well services. They are employed by drilling and well service contracting companies and petroleum producing companies. Contractors may be self-employed.

#### *Illustrative example(s)*

- fracturing supervisor
- multi-service operator - oil field services
- rig manager

#### *Inclusion(s)*

- oil field consultant
- toolpusher

*Exclusion(s)*

- Geological and mineral technologists and technicians (22101)
- Managers in natural resources production and fishing (80010)
- Oil and gas well drillers, servicers, testers and related workers (83101)
- Oil and gas well drilling and related workers and services operators (84101)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who drill for oil and gas, operate service rigs or provide oil and gas well services
- Establish methods to meet work schedules and coordinate work activities with other departments
- Requisition and procure materials and supplies
- Ensure appropriate control measures are in place to protect the health and safety of workers
- Resolve work problems and recommend measures to improve productivity and safety
- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Review, audit and approve workers' paperwork and complete proper documentation
- Prepare production and other reports
- May set up machines and equipment.

*Employment requirements*

- Completion of secondary school is required.
- Completion of college or petroleum industry approved training courses is required.
- Extensive experience in the occupations supervised is required.
- A two-year college diploma in petroleum engineering technology may be required.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, well control, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG) or other safety and technical subjects are required and are obtained by completing short courses.

*Additional information*

- There is little mobility for supervisors from well services to well drilling.

## **8203 Contractors and supervisors, agriculture, horticulture and related operations and services**

This minor group comprises contractors and supervisors, agriculture, horticulture and related operations and services, including agricultural service contractors and farm supervisors, and contractors and supervisors, landscaping, grounds maintenance and horticulture services. They are employed on livestock and other farms; by landscaping companies, cemeteries, lawn care and tree service companies, nurseries and greenhouses; and landscaping operations of public works departments and private establishments; or they may be self-employed.

### **82030 Agricultural service contractors and farm supervisors**

Agricultural service contractors provide agricultural services such as livestock and poultry breeding, soil preparation, crop planting, crop spraying, cultivating or harvesting. Farm supervisors supervise the work

of specialized livestock workers, farm machinery operators, livestock labourers, aquaculture labourers and harvesting labourers. They operate their own business or may be employed by farms and agricultural enterprises.

*Illustrative example(s)*

- artificial insemination service contractor
- crop harvesting service contractor
- farm foreman/woman
- farm supervisor
- feedlot foreman/woman
- hog operation supervisor
- livestock breeding service contractor
- poultry farm foreman/woman
- ranch foreman/woman
- vegetable farm foreman/woman

*Exclusion(s)*

- Harvesting labourers (85101)
- Livestock labourers (85100)
- Managers in agriculture (80020)
- Managers in horticulture (80021)
- Pest controllers and fumigators (73202)
- Pet groomers and animal care workers (65220)
- Specialized livestock workers and farm machinery operators (84120)

*Main duties*

This group performs some or all of the following duties:

*Agricultural service contractors*

- Provide agricultural livestock services such as artificial insemination, spraying or shearing of livestock or disinfecting pens, barns or poultry houses
- Provide agricultural crop services such as plowing, irrigating, cultivating, spraying or harvesting
- Assist in the development and implementation of farm safety and bio-security procedures
- Hire and train workers
- Negotiate the terms of services to be provided
- Maintain financial and operational records
- May participate in the provision of services or in the operation of machinery and equipment
- May operate and repair digital technology and communication tools and equipment, such as robotic milking systems and global positioning systems (GPS).

*Farm supervisors*

- Coordinate, assign and supervise the work of specialized livestock workers, farm machinery operators, livestock labourers and harvesting labourers
- Supervise and oversee breeding and other livestock-related programs
- Supervise, monitor and enforce procedures to maintain animal and crop health and welfare



- Supervise and oversee growing and other crop-related operations
- Supervise maintenance of infrastructure, equipment, and supplies
- Develop work schedules and establish procedures
- Ensure farm safety, food safety and security and bio-security procedures are followed
- Maintain quality control and production records
- May perform general farm duties
- May operate and repair digital technology and communication tools and equipment, such as robotic milking systems and global positioning systems (GPS).

Farm supervisors may specialize in areas such as dairy, poultry, swine, beef, sheep, equine, fruit, vegetable, mixed or other specialty farming.

#### *Employment requirements*

- Agricultural service contractors usually require a university degree, college diploma or industry courses in agricultural studies and several years of experience related to the service offered.
- Contractors providing certain services, such as artificial insemination and pesticide application, may require training certificates and provincial licensing.
- Farm supervisors may require a college certificate or other specialized training in agriculture or livestock husbandry.
- A course or certificate in first aid may be required.

### **82031 Contractors and supervisors, landscaping, grounds maintenance and horticulture services**

Contractors and supervisors, landscaping, grounds maintenance and horticulture services supervise and coordinate the activities of workers in the following unit groups: Nursery and greenhouse workers (85103) and Landscaping and grounds maintenance labourers (85191). They are employed by landscaping companies, cemeteries, lawn care and tree service companies, nurseries and greenhouses and by landscaping operations of public works departments and private establishments. Contractors may be self-employed.

#### *Illustrative example(s)*

- greenhouse supervisor
- grounds maintenance contractor
- groundskeeping supervisor
- horticulture workers supervisor
- interior plantscaping contractor
- landscaping contractor
- landscaping foreman/woman
- landscaping supervisor
- lawn care contractor
- nursery foreman/woman
- park maintenance supervisor
- tree service contractor

*Exclusion(s)*

- Contractors and supervisors, heavy equipment operator crews (72021)
- Contractors and supervisors, other construction trades, installers, repairers and servicers (72014)
- Landscape and horticulture technicians and specialists (22114)
- Landscape architects (21201)
- Managers in agriculture (80020)
- Managers in horticulture (80021)

*Main duties*

This group performs some or all of the following duties:

- Supervise and coordinate the activities of workers who maintain lawns, gardens, athletic fields, golf courses, cemeteries, parks, interior landscapes and other landscaped areas
- Tender bids on contracts for landscaping and grounds maintenance work
- Plan and estimate the materials and labour requirements for individual contracts
- Organize the planting and maintenance of trees, gardens, lawns, shrubs and hedges and the construction and installation of fences, decks, patios, walkways and retaining walls
- Establish work schedules and procedures and coordinate activities with other work units
- Resolve work-related problems and prepare and submit progress and other reports
- Requisition supplies and materials
- Maintain financial and personnel records
- Hire staff and train workers in job duties and company policies
- May manage operations of own company
- May provide snow removal services during winter months
- May perform the same duties as workers supervised.

*Employment requirements*

- Completion of secondary school is usually required.
- A college diploma, specialized courses or industry-related training and certification in landscaping and horticulture are usually required.
- Experience as a landscape or horticulture supervisor or as a landscape or horticulture technician is required.
- Experience in the type of work supervised is required.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

**83 Occupations in natural resources and related production**

This major group comprises occupations in natural resources and related production. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

## 831 Occupations in natural resources and fisheries

This sub-major group comprises occupations in natural resources and fisheries, including underground miners, oil and gas drillers and related occupations; logging machinery operators; and fishing vessel masters and fishermen/women.

### 8310 Underground miners, oil and gas drillers and related occupations

This minor group comprises underground miners, oil and gas drillers and related occupations, including underground production and development miners; oil and gas well drillers, servicers, testers and related workers. They are employed by coal, metal and non-metallic mineral underground mines; specialized contractors in mine construction, shaft sinking and tunnelling; drilling and well service contractors; petroleum producing companies; and well logging and testing companies.

#### 83100 Underground production and development miners

Underground production and development miners drill, blast, operate mining machinery, and perform related duties to extract coal and ore in underground mines and to construct tunnels, passageways and shafts to facilitate mining operations. They are employed by coal, metal and non-metallic mineral underground mines and by specialized contractors in mine construction, shaft sinking and tunnelling. Apprentices are also included in this unit group.

##### *Illustrative example(s)*

- blaster - underground mining
- chute blaster - underground mining
- diamond driller - underground mining
- drift miner
- driller - underground mining
- hardrock miner apprentice
- hoist operator - underground mining
- miner
- mining machine operator
- powderman/woman - underground mining
- raise miner
- roadheader operator
- scooptram operator
- shaft inspector

##### *Exclusion(s)*

- Drillers and blasters - surface mining, quarrying and construction (73402)
- Mine labourers (85110)
- Supervisors, mining and quarrying (82020)
- Underground mine service and support workers (84100)

### *Main duties*

This group performs some or all of the following duties:

- Set up and operate drills and drilling machines to produce a designated pattern of blasting holes
- Operate diamond drills or other specialized drills such as raise boring machinery to test geological formations or to produce underground passageways
- Set up and operate mining machinery to shear coal, rock or ore from the working face
- Load explosives, set fuses, and detonate explosives to produce desired blasting patterns and rock fragmentation in underground mines
- Operate scooptram, load-haul-dump (LHD) machine or mucking machine to load and haul ore from stopes, drifts and drawpoints to ore passes
- Perform duties required to ensure safety and to support the mining advance, such as scaling loose rock from walls and roof, drilling and installing rock bolts, extending and installing air and water pipes, operating ore loading machinery, inspecting mine shafts, operating hoists that transport people, equipment and materials through mine shafts, and constructing timber supports and cribbing if required
- Perform routine maintenance of mining machinery.

### *Employment requirements*

- Completion of secondary school is usually required.
- Formal training of up to six weeks followed by extended periods of specialized training as a helper or in support occupations is usually provided.
- Previous experience as a mine labourer or in other mine occupations is usually required.
- Provincial blasting licence may be required.
- May be certified in the basic common core program or as an underground hard rock miner in Ontario.
- Trade certification for miners is available, but voluntary, in Quebec.
- Company licensing or certification is often required for occupations in this unit group.
- Certificate in first aid may be required.

### *Additional information*

- Mobility is possible to other occupational groups in underground mining such as underground service and support occupations.
- There is mobility between employers within each of the three following sectors: underground coal mining, underground hard rock mining and underground potash, salt or soft rock mining.
- Mobility between these sectors is somewhat limited by differences in production technologies.
- Progression to mining supervisor is possible with experience.

## **83101 Oil and gas well drillers, servicers, testers and related workers**

Oil and gas well drillers and well servicers control the operation of drilling and hoisting equipment on drilling and service rigs, and direct the activities of the rig crew under supervision of the rig manager. Oil and gas well loggers, testers and related workers operate specialized mechanical or electronic equipment, tools or instruments to provide services in conjunction with well drilling, completion or servicing. They are employed by drilling and well service contractors, petroleum producing companies and well logging or testing companies.

### *Illustrative example(s)*

- assistant driller - oil and gas well drilling
- directional drilling operator

- downhole tool operator
- drill stem tester
- driller - oil and gas drilling
- electric line operator
- logging and perforating operator
- service rig operator
- slickline operator
- well testing operator
- wireline operator

#### *Exclusion(s)*

- Oil and gas well drilling and related workers and services operators (84101)
- Rig manager (See 82021-Contractors and supervisors, oil and gas drilling and services)
- Water well drillers (72501)

#### *Main duties*

This group performs some or all of the following duties:

##### Oil and gas well drillers and well servicers

- Direct rig crew in setting up rigs and drilling, completing or servicing oil and gas exploration and producing wells
- Operate controls of drill or service rig drilling and hoisting machinery
- Train or arrange for training of crew
- Maintain records of drilling and servicing operations
- Ensure safety procedures are followed.

##### Oil and gas well loggers, testers and related workers

- Drive well service or wireline truck to well site
- Assemble and attach equipment, tools or recorders to drill stem or wireline to conduct required procedures and tests
- Operate or direct the operation of wireline or unit controls to lower, position and retrieve equipment and instruments
- Operate recorders and computers in mobile testing or logging unit to collect data
- May perform limited data interpretation.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Oil and gas well drillers and well servicers require three to six months of formal on-the-job training, college or petroleum industry-approved training courses and four or more years of work experience in subordinate rig crew positions.
- A college diploma in drilling may be required.
- Offshore work requires several years of experience in an equivalent position on land.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, well control, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG) and a special oil well operator (boiler) certificate are required.

- Oil and gas well loggers, testers and related workers require three to six months of formal on-the-job training and several years of experience in subordinate logging and testing positions or on drilling and servicing rigs.
- Completion of a college program in electronics or engineering technology may be required for open hole well logging.
- A provincial blaster's licence, and seismic blaster and oil well blaster certification are required for well perforation services.
- Trade certification for rig technician is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, Manitoba, Saskatchewan, British Columbia and the Northwest Territories.
- Red Seal endorsement is also available to qualified rig technicians upon successful completion of the interprovincial Red Seal examination.

#### *Additional information*

- Mobility between jobs on drilling and service rigs is limited by the differences in the machinery, tools and operations performed, but mobility is possible especially from drilling to service rigs.
- Progression to crew supervisor or manager is possible with experience and additional education and training.
- The Red Seal endorsement allows for interprovincial mobility.

### **8311 Logging machinery operators**

This minor group comprises logging machinery operators. They are employed by logging companies and contractors.

#### **83110 Logging machinery operators**

Logging machinery operators operate cable yarding systems, mechanical harvesters and forwarders and mechanical tree processors and loaders to fell, yard and process trees at logging sites. They are employed by logging companies and contractors.

#### *Illustrative example(s)*

- chipping machine operator
- delimber operator
- feller buncher operator
- feller forwarder operator
- grapple operator - logging
- linehorse operator
- loader operator - logging
- log processor operator
- rigging slinger - logging
- shortwood harvester operator
- slasher operator - logging
- steel spar operator - logging
- treelength forwarder operator
- yarder operator - logging

*Exclusion(s)*

- Chain saw and skidder operators (84110)
- Heavy equipment operators (73400)
- Silviculture and forestry workers (84111)
- Supervisors, logging and forestry (82010)
- Transport truck drivers (73300)

*Main duties*

This group performs some or all of the following duties:

*Cable yarding system operators*

- Operate machines to transport trees from logging areas to landing or log loading sites in mountainous terrain in western Canada.

*Mechanical harvester and forwarder operators*

- Assess site and terrain and drive heavy equipment to perform a combination of felling, slashing, bucking, bunching and forwarding operations at logging areas.

*Mechanical tree processor and loader operators*

- Operate a variety of machines which perform a combination of slashing, bucking, chipping, sorting and loading logs or trees at landing sites.

*Employment requirements*

- Completion of secondary school may be required.
- On-the-job training from three to 16 months is provided, depending on the complexity of machinery operated and the type of woodlands operation.
- Experience requirements vary depending on the complexity of machinery operated.
- Mechanical harvester and forwarder operators may require logging experience as a chain saw and skidder operator.
- Feller buncher operators and cable yarder operators usually require three to five years of logging experience.
- Mechanical tree processor and loader operators usually require one to three years of logging experience.
- Certification as a heavy equipment operator may be required.
- Company certification for mobile logging machinery operation may be required.
- Provincial air brake certification may be required in British Columbia, depending on the type of equipment operated.
- Workplace hazardous materials information system (WHMIS) and first aid certificates may be required.
- Knowledge of tree harvesting regulations is required.

*Additional information*

- There is some mobility among jobs in this group from the less complex to more complex machinery operation.
- There is some mobility between employers, particularly in similar types of woodland operations.
- Self-employment as a logging contractor is possible with investment in equipment.

- Logging machinery operators may perform minor repairs and maintenance on their equipment.
- Progression to logging and forestry supervisory positions is possible with experience.

## **8312 Fishing vessel masters and fishermen/women**

This minor group comprises fishing vessel masters and fishermen/women. They are usually self-employed owner-operators of fishing vessels. They may also be employed by establishments engaged in operating commercial fishing vessels.

### **83120 Fishing masters and officers**

Fishing masters and officers manage and operate saltwater and freshwater fishing vessels greater than 100 gross tonnes to pursue and land fish and other marine life. They are employed by establishments engaged in operating commercial fishing vessels.

#### *Illustrative example(s)*

- fishing vessel boatswain
- fishing vessel deck officer
- fishing vessel first mate
- fishing vessel master
- offshore fishing vessel captain
- trawler captain

#### *Exclusion(s)*

- Deck officers, water transport (72602)
- Fishermen/women (83121)
- Fishing vessel chief engineer (See 72603-Engineer officers, water transport)

#### *Main duties*

This group performs some or all of the following duties:

- Command fishing vessels to catch fish and other marine life
- Determine areas for fishing, plot courses and compute navigational positions using compasses, charts, tables and other aids
- Steer vessels and operate navigational instruments and electronic fishing aids such as echo sounders and chart plotters
- Direct fishing operations and supervise crew activities
- Record fishing progress, crew activities, weather and sea conditions on ship's log
- Select and train vessel crews.

#### *Employment requirements*

- Some secondary school education is usually required.
- One to two years of experience as a fishing vessel deckhand is required.
- Captains require one year of service as officer in charge of the watch.
- A Fishing Master's Certificate is required for all occupations in this unit group.
- Marine Emergency Duties Certificate is required by Transport Canada.



- A valid Fishing Vessel Operator Certificate is required for all occupations in this unit group.
- A commercial fishing licence is required.

#### *Additional information*

- Completion of Transport Canada examinations is required to advance from Fishing Master Class IV through Class I. Training programs are provided in provincial training centres.
- Progression to merchant or government vessel officer positions (which require a Marine Officer Certificate) is possible with additional training and experience.

### **83121 Fishermen/women**

Fishermen/women operate fishing vessels less than 100 gross tonnes to pursue and land fish and other marine life. They are usually self-employed owner-operators of fishing vessels.

#### *Illustrative example(s)*

- fisherman/woman
- fishing vessel skipper
- inshore fisherman/woman
- lobster fisherman/woman
- longliner fisherman/woman
- seiner fisherman/woman

#### *Inclusion(s)*

- seaweed dragger
- shellfish harvester operator

#### *Exclusion(s)*

- Fishing masters and officers (83120)
- Fishing vessel deckhands (84121)

#### *Main duties*

This group performs some or all of the following duties:

- Operate fishing vessel to pursue and catch fish and other marine life
- Select area for fishing, plot courses and compute navigational positions using compasses and charts or electronic fishing aids
- Steer vessel and operate navigational instruments
- Operate fishing gear, direct fishing operation and supervise fishing crew members
- Maintain engine, fishing gear and other on-board equipment
- Record fishing activities, weather and sea conditions
- Estimate costs of operations and plan budget for each fishing season
- Establish fish marketing plan and keep records of all financial transactions
- May transport fish to processing plants or fish buyers.

### *Employment requirements*

- Several years of experience as fishing vessel crew member or helper are usually required.
- Marine Emergency Duties Certificate is required by Transport Canada.
- A valid Fishing Vessel Operator Certificate is required.
- A commercial fishing licence is required.
- Licences are required for each species of fish pursued.
- Trade certification for fish harvesters is available, but voluntary, in Newfoundland and Labrador.

### *Additional information*

- Progression to master or mate on fishing vessels over 100 gross tonnes is possible with additional training, licensing and experience.

## **84 Workers in natural resources, agriculture and related production**

This major group comprises workers in natural resources, agriculture and related production. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 4. Occupations classified in TEER 4, as those included in this group with a 4 as the second digit of their code, typically require completion of secondary school; or several weeks of on-the-job training with some secondary school education; or experience in a related occupation from TEER 5, when applicable (TEER 5 includes occupations with a 5 as a second digit in their code).

### **841 Workers in natural resources and fisheries**

This sub-major group comprises workers in natural resources and fisheries, including mine service workers and operators in oil and gas drilling; logging and forestry workers; and workers in agriculture and fishing occupations.

#### **8410 Mine service workers and operators in oil and gas drilling**

This minor group comprises mine service workers and operators in oil and gas drilling, including underground mine service and support workers, and oil and gas well drilling and related workers and services operators. They are employed by coal, metal and non-metallic mineral mines; drilling and well service contractors; and petroleum producing companies.

#### **84100 Underground mine service and support workers**

Underground mine service and support workers perform a range of duties related to the operation of orepasses, chutes and conveyor systems, the construction and support of underground structures, passages and roadways, and the supply of materials and supplies to support underground mining. They are employed by coal, metal and non-metallic mineral mines.

#### *Illustrative example(s)*

- backfiller - underground mining
- blaster helper - underground mining
- cage tender
- conveyor operator - underground mining
- crusher operator - underground mining
- driller helper - underground mining
- haulage man/woman - underground mining
- lamp keeper - underground mining

- materialman/woman - underground mining
- mine construction worker
- orepass tender - underground mining
- pipeworker - underground mining
- raise miner helper
- skip tender
- timberman/woman - underground mining
- trainman/woman - underground mining

#### *Exclusion(s)*

- Drillers and blasters - surface mining, quarrying and construction (73402)
- Mine labourers (85110)
- Underground production and development miners (83100)

#### *Main duties*

This group performs some or all of the following duties:

- Operate and maintain ore chutes or conveyor systems to control flow of ore or coal in underground mine
- Operate construction equipment such as bulldozer, grader or backhoe to build and maintain underground passages and haulageways
- Construct and repair wood or metal supports and structures such as bulkheads, platforms, drift doors and chutes using construction and mining tools
- Attach and extend ventilation and water pipes and related mine services
- Assist miners in setting up and operating various drills and other mining machinery
- Supply and maintain backfill distribution of sand, rock or other materials
- Operate diesel or electric track haulage equipment such as ore trains to distribute personnel and supplies and to convey ore from orepass to primary crusher or skip
- Maintain supply storage areas and maintain equipment and supplies such as explosives, drill bits, fire extinguishers, lamps and batteries
- Perform routine maintenance of machinery.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Previous formal training of up to six weeks followed by periods of on-the-job training as a helper or in support occupations is usually required.
- Previous experience as a mine labourer is usually required.
- May be certified in the basic common core program in Ontario.
- Company licensing or certification is often required for occupations in this unit group.

#### *Additional information*

- Mobility is possible to other occupational groups in underground mining.
- There is mobility between employers within each of the three following sectors: underground coal mining, underground hard rock mining and underground potash, salt or soft rock mining.
- Mobility between these sectors is somewhat limited by differences in production technologies.

## 84101 Oil and gas well drilling and related workers and services operators

Oil and gas well drilling workers operate drilling and service rig machinery as intermediate members of the rig crew. Oil and gas well services operators drive trucks and operate specialized hydraulic pumping systems to place cement in wells or to treat wells with chemicals, sand mixtures or gases to stimulate production. They are employed by drilling and well service contractors and by petroleum producing companies.

### *Illustrative example(s)*

- acidizer - oil field services
- blender operator - oil field services
- control room operator - offshore drilling
- derrickhand
- motorhand - oil and gas drilling
- offshore drilling rig technician
- oil well cementer - oil field services
- pumper operator - oil field services

### *Inclusion(s)*

- seismic buried facilities locator

### *Exclusion(s)*

- Contractors and supervisors, oil and gas drilling and services (82021)
- Oil and gas drilling, servicing and related labourers (85111)
- Oil and gas well drillers, servicers, testers and related workers (83101)

### *Main duties*

This group performs some or all of the following duties:

#### Oil and gas well drilling workers

- Use specialized equipment, information and maps to determine and document the location of buried pipelines and other utilities in preparation for seismic exploration and drilling activities
- Align and manipulate sections of pipe or drill stem from platform on rig derrick during removal and replacement of strings of pipe, or drill stem and drill bit
- Operate and maintain drilling mud systems and pumps during drilling, and mix mud, chemicals and additives
- Record mud flows and volumes and take samples
- Operate and maintain drilling rig diesel motors, transmissions and other mechanical equipment
- Assist in setting up, taking down and transporting drilling and service rigs
- Supervise floorhands and labourers.

#### Oil and gas well services operators

- Drive well services truck to well site
- Assemble pumping equipment and attach pumps and hoses to wellhead
- Operate hydraulic pumping systems to pump chemicals, gases, sand, cement or other material into well

- Read gauges to monitor pressure, density, rate and concentration and adjust pumping procedure as required
- May mix chemicals and cements.

#### *Employment requirements*

- Completion of secondary school is required.
- Training of up to three months with an experienced operator is required for oil and gas well services operators.
- Completion of petroleum industry-approved training courses may be required.
- One year of experience as a floorhand, assistant or labourer is usually required.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), cryogenic safety or in other safety concerns may be required.
- Rig technician certification for motorhands and derrickhands may be required by some employers.
- Oil and gas well services operators require a driver's license appropriate to the class of vehicle being driven.

#### *Additional information*

- Progression to oil and gas well driller or service rig operator is possible with experience.
- Progression to supervisor of well services is possible for gas and oil well services operators.

## **8411 Logging and forestry workers**

This minor group comprises logging and forestry workers, including chain saw and skidder operators, and silviculture and forestry workers. They are employed by logging companies, contractors, and government services.

### **84110 Chain saw and skidder operators**

Chain saw and skidder operators operate chain saws to fell, delimb and buck trees, and operate skidders to move or yard the felled trees from the logging site to the landing area for processing and transportation. They are employed by logging companies and contractors.

#### *Illustrative example(s)*

- bucker
- chain saw operator - logging
- faller
- feller
- forest worker - logging
- grapple skidder operator
- landingman/woman
- pieceworker - logging
- skidder operator

### *Exclusion(s)*

- Logging and forestry labourers (85120)
- Logging machinery operators (83110)
- Silviculture and forestry workers (84111)

### *Main duties*

This group performs some or all of the following duties:

- Operate chain saw to fell, delimb and buck trees at the logging site and loading area
- Operate cable, or grapple skidder to move or yard the felled trees from the logging site to the landing area for processing and transportation
- Assess site, terrain and weather conditions before felling and yarding trees
- May work as member of a team rotating between chain saw operation and skidder operation
- May maintain and perform minor repairs on skidders, chain saws and other equipment.

### *Employment requirements*

- Completion of secondary school may be required.
- Completion of a college program for forest workers may be required.
- Formal training in chain saw operation and maintenance and several months of on-the-job training are usually provided.
- Previous experience as a logging and forestry labourer or logging machine operator may be required. Experience requirements vary depending on the type and location of woodlands operations.
- Provincial certification or a forest worker program certificate is required in some provinces.
- Trade certification for fallers is available, but voluntary in Quebec.
- Workplace hazardous materials information system (WHMIS) and first aid certificates may be required.

### *Additional information*

- There is a trend toward company certification of chain saw operators in larger companies.
- Chain saw operators often must own and maintain their own chain saw.
- There is some mobility among jobs within this unit group as chain saw and skidder operators often work in teams and rotate jobs.
- Mobility may be limited from eastern and central forest zones to western forest zones where tree size or steep terrain may require different cutting and yarding methods.
- Progression to logging machinery operator positions is possible with experience.
- Progression to supervisory positions or self-employment as a logging contractor is possible with experience.

## **84111 Silviculture and forestry workers**

Silviculture and forestry workers perform a variety of duties related to reforestation and to the management, improvement and conservation of forest lands. They are employed by logging companies, contractors and government services.

### *Illustrative example(s)*

- clearing saw operator - forestry
- forest firefighter

- forestry crew worker
- pieceworker - silviculture
- scarification equipment operator - forestry
- silviculture worker
- thinning saw operator

#### *Exclusion(s)*

- Arborist (See 22114-Landscape and horticulture technicians and specialists)
- Chain saw and skidder operators (84110)
- Forest nursery labourer (See 85103-Nursery and greenhouse labourers)
- Forestry professionals (21111)
- Forestry technologists and technicians (22112)
- Logging and forestry labourers (85120)
- Supervisors, logging and forestry (82010)

#### *Main duties*

This group performs some or all of the following duties:

- Assess site, select seedlings and plant trees using manual planting tools in reforestation areas
- Operate power thinning saw to thin and space trees in reforestation areas
- Operate chain saw to thin young forest stands
- Control weeds and undergrowth in regenerating forest stands using manual tools and chemicals
- Complete firefighting reports and maintain firefighting equipment
- Dig trenches, cut trees, pump water on burning areas to fight forest fires under direction of fire suppression officer or forestry technician
- Operate and maintain a skidder, bulldozer or other prime mover to pull a variety of scarification or site preparation equipment over areas to be regenerated
- Perform other silviculture duties such as collecting seed cones, pruning trees, assisting in planting surveys and marking trees for subsequent operations.

#### *Employment requirements*

- Completion of secondary school may be required.
- Completion of a college or other specialized program for silviculture workers or forestry crew workers may be required.
- Formal training in power saw operation and maintenance and several months of on-the-job training are usually provided.
- Experience as a logging and forestry labourer may be required.
- A chemicals application licence is required.
- Workplace hazardous materials information system (WHMIS) and transportation of dangerous goods (TDG) certificates may be required.
- A silvicultural worker's licence may be required.

*Additional information*

- There is some mobility among jobs in this unit group.
- Progression to supervisory positions is possible with experience.
- Progression to forestry technician or technologist is possible with additional education and training.

**8412 Workers in agriculture and fishing occupations**

This minor group comprises workers in agriculture and fishing occupations, including specialized livestock workers; farm machinery operators; and fishing vessel deckhands. They are employed by commercial fishing operators or self-employed owner-operators of fishing vessels; crop, livestock, fruit, vegetable and specialty farms; or they may be self-employed.

**84120 Specialized livestock workers and farm machinery operators**

Specialized livestock workers carry out feeding, health and breeding programs on dairy, beef, sheep, poultry, swine and other livestock farms. Farm machinery operators operate and maintain farm machinery and equipment. They are employed on crop, livestock, fruit, vegetable and specialty farms.

*Illustrative example(s)*

- artificial inseminator
- cattle herdsman
- dairy herdsman
- farm machinery operator
- harvester machine operator
- horse trainer
- pork production technician
- swine herdsman

*Exclusion(s)*

- Agricultural service contractors and farm supervisors (82030)
- Harvesting labourers (85101)
- Livestock labourers (85100)
- Managers in agriculture (80020)

*Main duties*

This group performs some or all of the following duties:

## Specialized livestock workers

- Perform or assist in performing animal husbandry activities
- Implement pasture or pen breeding programs
- Develop and implement feeding programs
- Follow safety and bio-security procedures
- Detect and treat certain diseases and health problems in livestock
- Maintain livestock performance records
- Select livestock for sale
- Set and monitor water lines, air flow and temperature in barns, pens and chicken coops



- Train horses
- Maintain inventory and order materials as required
- May be responsible for the collection of semen and the insemination of donor females
- May supervise general farm labourers.

#### Farm machinery operators

- Operate farm equipment and machinery to till soil, plant, cultivate and harvest crops, and load and unload crops or containers of materials
- Perform equipment and machinery maintenance
- Monitor equipment and machinery operations to detect malfunctions
- Follow safety procedures
- May perform minor repairs to farm equipment and machinery.

#### *Employment requirements*

- Specialized livestock workers may require a college certificate or other specialized training in agriculture or livestock husbandry.
- There are no specific education or training requirements for farm machinery operators. However, a college certificate or specialized courses related to farming, such as farm equipment mechanics, agricultural welding and pesticide application, are available.
- Basic farm knowledge, usually obtained from working on a family farm, may be required for employment.
- A course or certificate in first aid may be required.

#### *Additional information*

- Specialized livestock workers usually specialize in one type of farm animal such as beef cattle, dairy cattle, poultry or swine.
- Progression to supervisory positions is possible with experience.

### **84121 Fishing vessel deckhands**

Fishing vessel deckhands perform a variety of manual tasks on commercial fishing voyages, and maintain fishing vessels. They are employed by establishments that operate commercial fishing vessels and by self-employed fishermen/women.

#### *Illustrative example(s)*

- fishing vessel crewman/woman
- fishing vessel deckhand
- fishing vessel icer
- fishing vessel netmender
- seiner deckhand
- trawlerman/woman

#### *Exclusion(s)*

- Deck officers, water transport (72602)
- Fishermen/women (83121)
- Fishing masters and officers (83120)

### *Main duties*

This group performs some or all of the following duties:

- Prepare nets, lines and other fishing tackle, and operate fishing gear to catch fish and other marine life
- Sort, return protected species to the water, clean and pack fish in ice and stow catch in hold
- Repair nets, splice ropes and maintain fishing gear and other deck equipment
- Clean deck surfaces and fish hold
- Handle anchors and mooring lines during docking and undocking procedures
- May steer vessels to and from fishing areas
- May prepare and cook meals for crew members.

### *Employment requirements*

- There are no specific educational requirements.
- On-the-job training is provided.
- Marine Emergency Duties certificate is required by Transport Canada.
- A deckhand training program may be required.
- Trawlermen/women require at least one year of experience.
- Fishing vessel deckhands require a commercial fishing licence.

### *Additional information*

- Fishing vessel deckhands may become skippers upon acquiring an entry licence and a boat.
- Fishing vessel deckhands may progress to watchkeeper or mate positions with additional training.

## **85 Harvesting, landscaping and natural resources labourers**

This major group comprises harvesting, landscaping and natural resources labourers. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 5. Occupations classified in TEER 5, as those included in this group with a 5 as the second digit of their code, are typically accessible with short work demonstration and no formal educational requirements.

### **851 Harvesting, landscaping and natural resources labourers**

This sub-major group comprises harvesting, landscaping and natural resources labourers, including agriculture, horticulture and harvesting labourers and related occupations; mine and oil and gas drilling, services and related labourers; and logging, forestry, landscaping and other related labourers.

#### **8510 Agriculture, horticulture and harvesting labourers and related occupations**

This minor group comprises agriculture, horticulture and harvesting labourers and related occupations, including livestock labourers; harvesting labourers; aquaculture and marine harvest labourers; nursery and greenhouse labourers; and trappers and hunters. They are employed by farms; nurseries and greenhouses; landscaping and lawn care companies, golf courses, cemeteries, and landscaping operations of public works departments and private establishments; public and private fish hatcheries and commercial aquatic farms; or they may be self-employed.

##### **85100 Livestock labourers**

Livestock labourers assist other farm workers to raise cattle, poultry and other animals, to help carry out feeding, health and breeding programs, to process animal products and to assist in the maintenance and repair of farm equipment and buildings. They are employed on livestock farms.

*Illustrative example(s)*

- beef cattle farm worker
- cattle ranch labourer
- dairy farm worker
- livestock labourer
- poultry farm worker

*Exclusion(s)*

- Agricultural service contractors and farm supervisors (82030)
- Managers in agriculture (80020)
- Specialized livestock workers and farm machinery operators (84120)

*Main duties*

This group performs some or all of the following duties:

- Feed and tend livestock, poultry and other animals
- Milk animals such as cows and goats, manually or with a machine
- Sort, brand and handle animals
- Maintain or assist in the maintenance of facilities and farm infrastructure including cleaning stables, barns, barnyards and pens
- Assist with breeding activities
- May monitor health of animals and provide care
- May prepare animals for transportation
- May operate and maintain farm machinery and equipment.

*Employment requirements*

- There are no specific education or training requirements.

*Additional information*

- Progression to other livestock worker positions is possible with experience.

**85101 Harvesting labourers**

Harvesting labourers and related workers assist other farm workers to plant, harvest, sort and pack crops. They participate in soil preparation, irrigation and crop planting, spraying and thinning. They are employed on fruit, vegetable and specialty crop farms.

*Illustrative example(s)*

- apple picker
- berry picker
- crop farm labourer - harvesting
- fruit picker
- fruit sorter - farm
- harvest hand
- vegetable packer - farm

### *Exclusion(s)*

- Agricultural service contractors and farm supervisors (82030)
- Managers in agriculture (80020)
- Specialized livestock workers and farm machinery operators (84120)

### *Main duties*

This group performs some or all of the following duties:

- Prepare and irrigate soil
- Plant, fertilize, thin and harvest crops
- Pick row and orchard crops
- Sort, weigh and pack fruit and vegetables at the farm
- Load, unload and transfer crates, supplies, farm produce and products for transport
- Clean up racks, trays, and harvest bins and general clean-up of growing, producing and packing areas
- Assist with general farm maintenance and maintenance of equipment and tools
- May assist in preparing garden beds for planting
- May write daily progress reports of inventory harvested.

### *Employment requirements*

- There are no specific education or training requirements.

### *Additional information*

- Progression to other farm worker positions is possible with experience.

## **85102 Aquaculture and marine harvest labourers**

Aquaculture and marine harvest labourers include aquaculture support workers, marine plant gatherers, shellfish diggers and other labourers in aquaculture and fishing. Aquaculture support workers are employed by public or private fish hatcheries and commercial aquatic farms. Marine plant gatherers and mollusk harvesters may be self-employed.

### *Illustrative example(s)*

- aquaculture support worker
- clam digger
- dulse gatherer
- fish farm helper
- fish tagger
- fry marker
- marine plant gatherer
- oyster picker
- sea farm attendant
- seaweed gatherer
- shellfish harvester

*Exclusion(s)*

- Fishermen/women (83121)
- Fishing vessel deckhands (84121)
- Managers in aquaculture (80022)

*Main duties*

This group performs some or all of the following duties:

- Assist aquaculture technicians in the operation of fish hatcheries or other aquatic farms
- Feed aquaculture stocks, vaccinate stocks, perform culling and marking or banding techniques and report any observed irregularities in stocks
- Operate, maintain and clean pumps, filters, tanks and other aquaculture equipment and clean and maintain aquaculture enclosures
- Keep daily records of water flow and fish, shellfish and marine plant samples
- Grade and weigh aquaculture stocks
- Prepare aquaculture stocks for market
- Rake seaweed, dulse or Irish moss from beach, rocks or shallow water and load into a cart, wagon or other receptacles
- Spread gatherings to dry and remove foreign objects
- Transport gatherings to processing plant
- Dig clams from beds with spades, forks or other instruments, or collect other mollusks
- Clean, sort and transport mollusks to market
- May operate boats for aquaculture operations.

*Employment requirements*

- Some secondary school education is usually required.
- Shellfish harvesters require commercial fishing licences.
- Marine Emergency Duties certificate may be required for some occupations in this unit group.

**85103 Nursery and greenhouse labourers**

Nursery and greenhouse labourers plant, cultivate and harvest trees, shrubs, flowers and plants, and serve nursery and greenhouse customers. They are employed in indoor and outdoor nurseries and greenhouses.

*Illustrative example(s)*

- forest nursery labourer
- greenhouse labourer
- horticulture labourer
- hothouse labourer
- hydroponics worker
- nursery labourer

*Exclusion(s)*

- Contractors and supervisors, landscaping, grounds maintenance and horticulture services (82031)
- Harvesting labourers (85101)

- Landscaping and grounds maintenance labourers (85121)
- Managers in horticulture (80021)
- Silviculture and forestry workers (84111)

#### *Main duties*

This group performs some or all of the following duties:

- Prepare soil; plant bulbs, seeds and cuttings; graft and bud plants; and transplant seedlings and rooted cuttings
- Monitor plants for healthy growth and potential weed, insect, disease, and fertilizer problems in greenhouse crops
- Spray trees, shrubs, flowers and plants to prevent disease and pests
- Position and regulate greenhouse and outdoor irrigation systems to water plants and fields
- Dig, cut and transplant trees, shrubs, flowers and plants and prepare them for sale
- Provide information to customers on gardening, the use of various garden tools and products and the care of trees, shrubs, flowers, plants and lawns
- May operate tractors and other machinery and equipment to fertilize, cultivate, harvest and spray fields and plants
- Maintain inventory and order materials as required
- Clean working areas.

#### *Employment requirements*

- Completion of secondary school may be required.
- Completion of college courses in horticulture or a related field may be required.
- On-the-job training is provided.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

#### *Additional information*

- Progression to supervisory positions, such as greenhouse supervisor, is possible with experience.

### **85104 Trappers and hunters**

Trappers and hunters trap and hunt wild animals for pelts or live sale. They are usually self-employed and work on a seasonal basis.

#### *Illustrative example(s)*

- fur trapper
- game trapper
- hunter
- sealer
- trapper

#### *Exclusion(s)*

- Animal control trapper AND nuisance control trapper (See 73202-Pest controllers and fumigators)
- Hunting guide (See 64322-Outdoor sport and recreational guides)

*Main duties*

This group performs some or all of the following duties:

- Set traps with bait and position traps along trails
- Operate boats or snowmobiles or travel on foot, snowshoes or skis to patrol trapline or to reach hunting areas
- Pursue animals by observing and recognizing tracks, trails, animal droppings or broken foliage
- Remove catch and reset traps and snares
- Kill and skin catch for pelts, and treat and pack pelts for marketing or for transport to public auctions
- Kill wild animals using firearms or other weapons
- Trap live animals for sale to buyers or for relocation purposes
- Maintain and repair trapping and hunting equipment
- Maintain trails and access to trapping lines or hunting regions
- Trap designated animals for bounty or other control programs
- May train dogs for hunting
- May monitor animal population in the trapping or hunting regions to ensure future sustainability.

*Employment requirements*

- Completion of trapping or hunting courses may be required in some provinces.
- A provincial trapping or hunting licence is required.

*Additional information*

- In some jurisdictions, trappers may be allocated trapping areas based on their experience.
- Trappers and hunters may specialize in trapping or hunting a particular kind of animal.

**8511 Mine and oil and gas drilling, services and related labourers**

This minor group comprises mine and oil and gas drilling, services and related labourers. They are employed by coal, metal and non-metallic mineral mines; drilling and well servicing contractors and petroleum producing companies.

**85110 Mine labourers**

Mine labourers carry out a variety of general labouring duties to assist in the extraction of coal, minerals and ore, and in other services in support of underground mining. They are employed by coal, metal and non-metallic mineral mines.

*Illustrative example(s)*

- chute puller
- mine helper
- mine labourer
- miner helper - underground mining
- pit scaler - underground mining
- shoveller - underground mining
- underground labourer - mining

### *Exclusion(s)*

- Underground mine service and support workers (84100)
- Underground production and development miners (83100)

### *Main duties*

This group performs some or all of the following duties:

- Assist other mine workers in maintaining or constructing underground installations
- Clean underground rooms, roadways, working areas and mining equipment and conveyances using hand tools
- Load, move, sort and pile materials and supplies
- Clear spills of ore or coal using hand and power tools
- May cut core and prepare core sample boxes in support of mine exploration
- Assist other workers in prospecting for mineral deposits and perform various tasks related to general geophysical surveys.

### *Employment requirements*

- Completion of secondary school is usually required.
- A short period of introductory training is provided.
- In Ontario, mine labourers are registered in the basic common core program.

### *Additional information*

- There is mobility among jobs in this group.
- Progression to underground production and development miner or underground mine service and support worker is possible with experience and training.

## **85111 Oil and gas drilling, servicing and related labourers**

Oil and gas drilling, servicing and related labourers carry out a variety of general labouring duties and operate equipment to assist in the drilling and servicing of oil and gas wells. This unit group also includes labourers who assist in geophysical prospecting for oil and gas. They are employed by drilling and well servicing contractors and by petroleum producing companies.

### *Illustrative example(s)*

- floorman/woman - oil and gas drilling
- leasehand
- oil field labourer
- roughneck
- roustabout
- service rig helper
- shakerhand
- swamper - oil and gas
- well treatment helper
- wireline helper



*Inclusion(s)*

- seismic survey helper

*Exclusion(s)*

- Oil and gas well drillers, servicers, testers and related workers (83101)
- Oil and gas well drilling and related workers and services operators (84101)

*Main duties*

This group performs some or all of the following duties:

- Manipulate sections of pipe or drill stem at the rig floor during drilling and during the removal and replacement of strings of pipe or drill stem and drill bit
- Maintain drilling equipment on the drill floor
- Handle, sort and move drill tools, pipe, cement and other materials
- Clean up rig areas
- Assist in setting up, taking down and transporting drilling and service rigs and service equipment
- May drive trucks to transport materials and well service equipment.

*Employment requirements*

- Completion of secondary school may be required.
- Completion of introductory college or petroleum industry-approved training courses may be required.
- Certificates in hydrogen sulphide awareness, workplace hazardous materials information system (WHMIS) or transportation of dangerous goods (TDG) may be required.

*Additional information*

- Progression to more senior operating positions is possible with experience.

**8512 Logging, forestry, landscaping and other related labourers**

This minor group comprises logging, forestry, landscaping and other related labourers. They are employed by logging, landscaping and grounds maintenance companies and contractors.

**85120 Logging and forestry labourers**

Logging and forestry labourers perform a variety of manual tasks such as attaching choker cables to logs, planting trees, clearing brush, spraying chemicals, cleaning up landing areas and assisting other workers in woodlands operations. They are employed by logging companies and contractors.

*Illustrative example(s)*

- chokerman/woman
- forestry labourer
- logging labourer
- seasonal tree planter
- swamper - logging and forestry

### *Exclusion(s)*

- Chain saw and skidder operators (84110)
- Logging machinery operators (83110)
- Silviculture and forestry workers (84111)

### *Main duties*

This group performs some or all of the following duties:

- Assist other workers at logging sites
- Attach chokers or cables to felled trees for yarding
- Plant trees using manual tools
- Spray herbicides from the ground using manual spraying equipment
- Clear trails through woodlands using chain saws
- Clean up landing areas at logging sites.

### *Employment requirements*

- Completion of secondary school may be required.
- Completion of pre-employment safety courses may be required.
- Several weeks of formal and on-the-job training are provided.
- Workplace hazardous materials information system (WHMIS) certificate may be required.
- Chemicals application licence may be required.

### *Additional information*

- There is mobility among jobs in this unit group.
- Progression to other positions, such as silviculture and forestry worker, chain saw and skidder operator or logging machinery operator, is possible with experience.

## **85121 Landscaping and grounds maintenance labourers**

Landscaping and grounds maintenance labourers perform work to assist in the construction of landscapes and related structures, and to maintain lawns, gardens, athletic fields, golf courses, cemeteries, parks, landscaped interiors and other landscaped areas. They are employed by landscaping and lawn care companies, golf courses, cemeteries, and landscaping operations of public works departments and private establishments.

### *Illustrative example(s)*

- bulb planter - landscaping
- cemetery labourer
- gardening helper
- golf course worker
- grass cutter
- grounds maintenance worker
- landscape labourer
- park maintenance labourer
- park maintenance worker

- sod layer
- transplanter - landscape maintenance

#### *Exclusion(s)*

- Landscape and horticulture technicians and specialists (22114)
- Nursery and greenhouse labourers (85103)
- Other trades helpers and labourers (75119)
- Public works and maintenance labourers (75212)
- Public works maintenance equipment operators and related workers (74205)
- Residential and commercial installers and servicers (73200)

#### *Main duties*

This group performs some or all of the following duties:

- Spread top soil, lay sod, plant flowers, grass, shrubs and trees and perform other duties to assist with the construction of a landscape and related structures
- Cut grass, rake, aerate, dethatch, fertilize and water lawns, weed gardens, prune shrubs and trees and perform other maintenance duties as directed by supervisor
- Maintain lawns and grass along roadsides
- Operate and maintain power mowers, tractors, chain saws, electric clippers, sod cutters, pruning saws, snowblowers and other landscape maintenance equipment
- Spray and dust trees, shrubs, lawns and gardens, as directed, to control insects and disease
- Perform other manual duties to clean and maintain landscaped environments.

#### *Employment requirements*

- Some secondary school education may be required.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

#### *Additional information*

- Progression to technical or supervisory occupations in landscaping and horticulture is possible with additional training or experience.

## 9 Occupations in manufacturing and utilities

This broad category comprises middle management occupations in manufacturing and utilities, as well as occupations concerned with supervisory, production and labouring in manufacturing, processing and utilities.

### 90 Middle management occupations in manufacturing and utilities

This major group comprises middle management occupations in manufacturing and utilities. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 0. The occupations classified under TEER 0, as those included in this group with zero (0) as the second digit of their code, are considered management occupations.

#### 900 Middle management occupations in manufacturing and utilities

This sub-major group comprises middle management occupations in manufacturing and utilities.

##### 9001 Managers in manufacturing and utilities

This minor group comprises managers in manufacturing and utilities. They are employed by manufacturing companies and in public and private sector utilities and heating fuel distribution companies.

##### 90010 Manufacturing managers

Manufacturing managers plan, organize, direct, control and evaluate the operations of a manufacturing establishment or of a production department within a manufacturing establishment, under the direction of a general manager or other senior manager. They are employed by manufacturing companies.

###### *Illustrative example(s)*

- automobile production manager
- clothing factory manager
- dairy plant manager
- distillery manager
- factory superintendent
- foundry manager
- manufacturing manager
- manufacturing operations manager
- manufacturing plant manager
- printing plant manager
- production manager - manufacturing
- textile mill manager
- tire plant manager

###### *Inclusion(s)*

- brewmaster

###### *Exclusion(s)*

- Facility operation and maintenance managers (70012)
- Managers in transportation (70020)

- Senior managers - construction, transportation, production and utilities (00015)
- Utilities managers (90011)

### *Main duties*

This group performs some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a manufacturing establishment or the operations or production department of a manufacturing establishment
- Develop and implement plans to efficiently use materials, labour and equipment to meet production targets
- Plan and manage the establishment of departmental budget
- Develop production schedules and maintain an inventory of raw materials and finished products
- Plan and implement changes to machinery and equipment, production systems and methods of work
- Direct quality control inspection system and develop production reporting procedures
- Develop equipment maintenance schedules and recommend the replacement of machines
- Hire, supervise and train or oversee training of employees in the use of new equipment or production techniques.

### *Employment requirements*

- Completion of a college or university program in engineering or business administration is usually required.
- Five to ten years of supervisory experience in manufacturing are required.

### *Additional information*

- Progression to senior management positions is possible with experience.

## **90011 Utilities managers**

Utilities managers plan, organize, direct, control and evaluate the operations of utility companies or services of heating fuel distribution companies. The services provided include treatment of water and waste, distribution of water, electricity, natural gas and heating oil to residential, commercial and industrial consumers, waste disposal and waste recycling. They are employed in public and private sector utilities and in heating fuel distribution companies.

### *Illustrative example(s)*

- director of waste management
- director of water pollution control
- distribution systems director - utilities
- electric generating plant manager
- electric power plant manager
- electrical power transmission operations director
- gas supply operations manager
- liquid waste facility manager
- refined petroleum products distribution manager
- sewage treatment plant manager
- water filtration plant manager
- water supply director

### *Exclusion(s)*

- Facility operation and maintenance managers (70012)
- Senior managers - construction, transportation, production and utilities (00015)

### *Main duties*

This group performs some or all of the following duties:

#### Water supply managers

- Manage water filtration, purification processes and pumping operations, schedule and oversee the maintenance of plant equipment and prepare reports on water supply and water quality.

#### Electrical power distribution managers

- Manage the operations of electrical power distribution systems including generating stations, transmission stations and distribution networks. They may also plan and direct the distribution activities of a municipal electrical power establishment.

#### Natural gas and petroleum supply managers

- Manage the delivery of gas to consumers, monitor supply inventories and control the recording of injections and withdrawals
- Plan and direct the distribution of heating oil products to retail distributors and regional storage sites.

#### Water pollution control managers

- Manage the operations of a sewage treatment plant, schedule and direct maintenance of plant equipment, and prepare reports on water quality.

#### Waste systems managers

- Manage solid or liquid waste collection and disposal systems, train drivers in how to handle waste and ensure safe operation of disposal facilities.

### *Employment requirements*

- A bachelor's degree or college diploma in an appropriate discipline is required. For example, electrical engineering is required for managers of transmission lines, and water resource technology for water supply managers.
- Several years of experience as a supervisor in a related utilities operations department are required.
- A professional engineer certification is usually required for managers of utility operations involved in the transmission and distribution of electrical power, and natural gas and heating oil.

### *Additional information*

- Progression to senior management positions in the utility industry is possible with experience.

## **92 Processing, manufacturing and utilities supervisors and utilities operators and controllers**

This major group comprises processing, manufacturing and utilities supervisors and utilities operators and controllers. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 2. Occupations classified in TEER 2, as those included in this group with a 2 as the second digit of their code, typically require completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of two to five

years; or supervisory or significant safety responsibilities; or the accumulation of several years of experience in a related occupation found in TEER 3, when applicable (TEER 3 includes occupations with a 3 as a second digit in their code).

## **920 Supervisors, processing, manufacturing, assembly and fabrication occupations**

This sub-major group comprises supervisors, processing, manufacturing, assembly and fabrication occupations.

### **9201 Supervisors, processing and manufacturing occupations**

This minor group comprises supervisors, processing and manufacturing occupations, including supervisors, mineral and metal processing; supervisors, petroleum, gas and chemical processing and utilities; supervisors, food and beverage processing; supervisors, plastic and rubber products manufacturing; supervisors, forest products processing; and supervisors, textile, fabric, fur and leather products processing and manufacturing. They are employed by mineral ore and metal processing plants, cement processing plants, clay, glass and stone processing plants and foundries; petroleum and natural gas processing, pipeline and petrochemical companies, chemical and pharmaceutical companies, electric power utilities, and water and waste treatment utilities; fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, fish plants, meat plants, breweries and other food, beverage and associated products processing establishments; rubber and plastic products manufacturing companies and in plastic parts divisions of other manufacturing companies; pulp and paper companies, paper converting companies, sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies; and textile manufacturing companies, tanneries and other manufacturers of fabric, fur and leather products.

#### **92010 Supervisors, mineral and metal processing**

Supervisors in mineral and metal processing supervise and coordinate the activities of workers engaged in mineral and metal processing and manufacturing. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries, cement processing plants, clay, glass and stone processing plants and foundries.

##### *Illustrative example(s)*

- blast furnace foreman/woman
- brick and tile foreman/woman
- cement processing supervisor
- coremaking foreman/woman - foundry
- die casting supervisor
- glass cutters supervisor
- lead refining foreman/woman
- lime preparation foreman/woman
- melting and roasting department supervisor
- ore milling supervisor
- roll shop operations coach - steel mill
- steel mill shift coordinator

##### *Exclusion(s)*

- Supervisors, mining and quarrying (82020)
- Supervisors, other mechanical and metal products manufacturing (92023)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers engaged in the following duties: operating single or multi-function mineral and metal processing machinery and equipment; operating mouldmaking and coremaking machines or manually make moulds and cores; operating glass process control, forming and finishing machines; operating concrete, clay and stone forming and finishing machines; and operating cement process control machines and equipment
- Establish methods to meet work schedules and coordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity and product quality
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

### *Employment requirements*

- Completion of secondary school is usually required.
- Post-secondary education in metallurgy, sciences or a related field may be required for some occupations in this unit group.
- Several years of experience in metal manufacturing or mineral/metal processing environment are usually required.

## **92011 Supervisors, petroleum, gas and chemical processing and utilities**

Supervisors in petroleum, gas and chemical processing and utilities supervise and coordinate the activities of workers in the following unit groups: Central control and process operators, petroleum, gas and chemical processing (93101), Power engineers and power systems operators (92100), Water and waste treatment plant operators (92101), Chemical plant machine operators (94110) and Labourers in chemical products processing and utilities (95102). They are employed by petroleum and natural gas processing, pipeline and petrochemical companies, chemical and pharmaceutical companies, electric power utilities, water and waste treatment utilities and in a range of other industries and institutions.

### *Illustrative example(s)*

- chemical processing supervisor
- cosmetics processing foreman/woman
- natural gas plant foreman/woman
- paint processing foreman/woman
- petroleum refining supervisor
- pharmaceuticals production supervisor
- pipeline operations supervisor
- power station supervisor
- sewage treatment plant supervisor
- specialty chemicals production supervisor
- water purification plant foreman/woman



*Exclusion(s)*

- Contractors and supervisors, electrical trades and telecommunications occupations (72011)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who operate petroleum refineries, chemical plants, water and waste treatment plants and equipment, pipelines, heating plants and power stations and systems
- Identify, investigate, correct and document potential environmental and safety problems
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Provide information for maintenance plans to ensure that maintenance and production objectives are met
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports and develop and manage operating budget for area of responsibility
- May also supervise, coordinate and schedule the activities of trades workers, labourers or other workers.

*Employment requirements*

- Completion of secondary school is required.
- Post-secondary education in chemical processing or sciences may be required for some occupations in this unit group.
- Several years of experience as a senior operator in the same company or plant are usually required.
- Some occupations in this unit group may require a specific licence or certification, such as a power engineer licence, refrigeration certification or wastewater treatment certification.
- Solid waste, landfill or compost facility operator certification may be required.

*Additional information*

- There is some mobility between occupations with similar technological or licensing requirements within this group.

**92012 Supervisors, food and beverage processing**

Supervisors in food and beverage processing supervise and coordinate the activities of workers who operate processing and packaging machines, and workers who grade food and beverage products. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, fish plants, meat plants, breweries and other food and beverage processing establishments.

*Illustrative example(s)*

- bottling supervisor - food and beverage processing
- brewer supervisor
- fish processing supervisor
- flour milling team supervisor
- food product testers supervisor
- hazard analysis critical control point (HACCP) coordinator

- meat packing supervisor
- packaging supervisor - food and beverage processing
- poultry graders foreman/woman
- production supervisor - food and beverage processing
- tobacco processing supervisor
- vegetable packing supervisor

#### *Exclusion(s)*

- Fish and seafood plant workers (94142)
- Fish products inspection supervisor (See 22111-Agricultural and fish products inspectors)
- Food-processing plant manager (See 90010-Manufacturing managers)
- Industrial butchers and meat cutters, poultry preparers and related workers (94141)
- Meat inspection supervisor (See 22111-Agricultural and fish products inspectors)
- Process control and machine operators, food and beverage processing (94140)
- Testers and graders, food and beverage processing (94143)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who process, package, test and grade food and beverage products
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- Hazard analysis critical control point (HACCP) coordinators identify, evaluate, control and prevent hazards at all stages of the food production process.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Post-secondary education in microbiology or chemistry may be required for some positions in this group.
- Several years of experience in the food or beverage processing industry are required.
- Hazard analysis critical control point (HACCP) coordinators require HACCP certification and several years of experience in quality assurance of food production.

### **92013 Supervisors, plastic and rubber products manufacturing**

Supervisors in plastic and rubber products manufacturing supervise and coordinate the activities of workers who operate processing machines and who fabricate, assemble and inspect rubber or plastic products. They are employed by rubber and plastic products manufacturing companies and in plastic parts divisions of other manufacturing companies.

#### *Illustrative example(s)*

- blow moulding foreman/woman - rubber and plastic manufacturing

- calendering foreman/woman - rubber and plastic manufacturing
- injection moulding foreman/woman - rubber and plastic manufacturing
- injection moulding supervisor - plastic products manufacturing
- plastic products manufacturing supervisor
- rubber products manufacturing supervisor
- tire building supervisor

#### *Exclusion(s)*

- Labourers in rubber and plastic products manufacturing (95104)
- Plastic products assemblers, finishers and inspectors (94212)
- Plastics processing machine operators (94111)
- Rubber processing machine operators and related workers (94112)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of production workers who operate processing machines and who fabricate, assemble, finish or inspect plastic or rubber parts and products
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Post-secondary education in sciences or plastics technology may be required for some positions in this group.
- Several years of experience as a machine operator or an assembler in rubber or plastic products manufacturing is usually required.

### **92014 Supervisors, forest products processing**

Supervisors in forest products processing supervise and coordinate the activities of workers engaged in pulp and paper production and wood processing and manufacturing. They are employed by pulp and paper companies, paper converting companies, sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies.

#### *Illustrative example(s)*

- coating room foreman/woman - pulp and paper
- lumber grading foreman/woman - wood processing
- paper converting supervisor
- paper machine foreman/woman
- paper mill foreman/woman

- plywood making foreman/woman
- pulp mill foreman/woman
- sawmill foreman/woman
- shift operating supervisor - pulp and paper
- shingle mill foreman/woman
- tour foreman/woman - pulp and paper
- waferboard foreman/woman
- wood-treating plant foreman/woman

#### *Exclusion(s)*

- Manufacturing managers (90010)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who operate pulp and paper mills, paper converting mills, sawmills, planing mills, plywood, waferboard and other wood and paper products mills
- Ensure that systems and equipment are operating efficiently and that proper maintenance and repairs are performed
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions and administer the collective agreement
- Prepare production and other reports
- Monitor safety conditions
- May set up machines and equipment.

#### *Employment requirements*

- Completion of secondary school is required.
- A college diploma in pulp and paper technology or a related discipline may be required for some pulp and paper supervisor positions.
- Several years of some combination of formal and on-the-job training are provided.
- Several years of experience in the most senior occupation supervised are often required.
- Certificates, such as lumber grading and industrial first aid, and a competency certificate in natural gas may be required.

#### *Additional information*

- Mobility is possible between positions employing similar technology or producing similar products.
- Progression to managerial positions is possible with experience.

### **92015 Supervisors, textile, fabric, fur and leather products processing and manufacturing**

Supervisors in textile, fabric, fur and leather products processing and manufacturing supervise and coordinate the activities of workers engaged in textile, fabric, fur and leather products processing and manufacturing. They are

employed by textile manufacturing companies, tanneries and other manufacturers of fabric, fur and leather products.

*Illustrative example(s)*

- boot and shoe foreman/woman
- canvas products manufacturing foreman/woman
- dye room supervisor
- embroidery supervisor - fabric products
- fabric-cutting department foreman/woman
- finishing supervisor - textiles
- foreman/woman - textile processing
- fur dressing foreman/woman
- hat and cap makers foreman/woman
- knitting supervisor
- sample room foreman/woman - leather products
- sewing machine operators supervisor
- stitching department supervisor
- tannery foreman/woman

*Exclusion(s)*

- Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing (9413)
- Master dyer - textiles (See 22100-Chemical technologists and technicians)
- Tailors, dressmakers, furriers and milliners (64200)
- Textile colour technologist (See 22100-Chemical technologists and technicians)
- Textile machine mechanic (See 72400-Construction millwrights and industrial mechanics)
- Textile technician (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Textile technologist (See 22302-Industrial engineering and manufacturing technologists and technicians)

*Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of production workers who operate machines to process natural, synthetic and hybrid textile fibre, yarn and thread; bleach, dye and finish textiles; operate manufacturing machines to cut, stitch and produce fabric, fur or leather garments and other products; and inspect textile products
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

### *Employment requirements*

- Completion of secondary school is usually required.
- Post-secondary education in textile technology or a related field may be required for some positions in this group.
- Several years of experience as a worker in the unit group being supervised are usually required.
- Experience may be required in a specific process, or with a specific product or type of equipment.

### *Additional information*

- There is some mobility among supervisory positions in this group.
- Progression to managerial positions is possible with experience.

## **9202 Supervisors, assembly and fabrication**

This minor group comprises supervisors, assembly and fabrication, including supervisors, motor vehicle assembling; supervisors, electronics and electrical products manufacturing; supervisors, furniture and fixtures manufacturing; supervisors, other mechanical and metal products manufacturing; and supervisors, other products manufacturing and assembly. They are employed by plants that manufacture automobiles, vans and light trucks; electronics manufacturing plants; furniture and fixtures manufacturing establishments; companies that manufacture electrical products; and a wide variety of other manufacturing companies.

### **92020 Supervisors, motor vehicle assembling**

Supervisors in motor vehicle assembling supervise and coordinate the activities of workers in motor vehicle production departments. They are employed in plants which manufacture automobiles, vans and light trucks.

#### *Illustrative example(s)*

- area coordinator - motor vehicle manufacturing
- assembly foreman/woman - motor vehicle manufacturing
- assembly supervisor - motor vehicle manufacturing
- assembly zone supervisor - motor vehicle manufacturing
- foreman/woman - motor vehicle manufacturing
- general assembly supervisor - motor vehicle manufacturing

#### *Exclusion(s)*

- Engine assembly supervisor (except aircraft) (See 92023-Supervisors, other mechanical and metal products manufacturing)
- Motor vehicle assemblers, inspectors and testers (94200)

#### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers in motor vehicle manufacturing production departments such as body shop, chassis, paint, trim and hardware and final assembly
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Train staff in job duties, safety procedures and company policies
- Requisition materials and supplies

- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Post-secondary education in engineering, sciences, business or other related discipline is usually required.
- Several years of experience as a production worker in motor vehicle manufacturing are required.

#### *Additional information*

- Progression to managerial positions is possible with experience.

### **92021 Supervisors, electronics and electrical products manufacturing**

Supervisors in electronics manufacturing supervise and coordinate the activities of workers who assemble, fabricate, test, repair and inspect electronic parts, components and systems. They are employed in electronics manufacturing plants. Supervisors in electrical products manufacturing supervise and coordinate the activities of workers who assemble, fabricate and inspect electrical components, appliances, motors and industrial equipment. They are employed by companies that manufacture electrical products.

#### *Illustrative example(s)*

- assembly and testing supervisor - electronic equipment manufacturing
- communications equipment assembly supervisor - electronic equipment manufacturing
- electrical appliance assembly foreman/woman
- electrical appliance assembly supervisor
- electrical equipment manufacturing supervisor
- electrical motor assembly foreman/woman
- electrical transformer assembly foreman/woman
- electronic assembly foreman/woman
- final assembly and testing foreman/woman - electronic equipment manufacturing
- printed circuit board (PCB) fabrication foreman/woman - electronic equipment manufacturing
- production supervisor - electronics manufacturing
- switchgear assembly foreman/woman
- systems test foreman/woman - electronic equipment manufacturing

#### *Exclusion(s)*

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (94202)
- Assemblers, fabricators and inspectors, industrial electrical motors and transformers (94203)
- Contractors and supervisors, electrical trades and telecommunications occupations (72011)
- Electrical and electronics engineering technologists and technicians (22310)
- Electronic service technicians (household and business equipment) (22311)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who assemble, fabricate, inspect and test electronic and electromechanical assemblies, subassemblies, parts and components or activities of workers who assemble, fabricate and inspect various types of electrical apparatus and equipment such as electrical appliances, batteries, electric motors, transformers and generators and electrical switchgear and control equipment
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend work measures to improve productivity
- Requisition materials and supplies
- Train workers in job duties, safety procedures and company policies and recommend personnel actions such as hirings and promotions
- Ensure safety rules and regulations are followed
- Prepare production and other reports
- May set up machines and equipment
- Supervise, coordinate and schedule the activities of related helpers and labourers.

### *Employment requirements*

- Completion of secondary school is usually required.
- Post-secondary education in electronics, electrical or manufacturing technology or a related discipline is usually required for some positions in this group.
- Several years of experience as an electronics or electric assembler, fabricator, inspector, tester or lead hand are usually required for some positions in this group.

## **92022 Supervisors, furniture and fixtures manufacturing**

Supervisors in furniture and fixtures manufacturing supervise and coordinate the activities of workers who manufacture furniture and fixtures made of wood or other materials. They are employed in furniture and fixtures manufacturing establishments.

### *Illustrative example(s)*

- desk assembly foreman/woman
- furniture and fixtures manufacturing supervisor
- furniture assembly foreman/woman
- furniture finishers supervisor
- laminating foreman/woman
- woodworking machine operator foreman/woman - furniture and fixtures manufacturing
- woodworking machine operators supervisor - furniture and fixtures manufacturing

### *Exclusion(s)*

- Cabinetmakers (72311)
- Contractors and supervisors, carpentry trades (72013)
- Furniture and fixture assemblers, finishers, refinishers and inspectors (94210)



- Millwork assembly foreman/woman - wood products manufacturing (See 92024-Supervisors, other products manufacturing and assembly)
- Woodworking machine operators (94124)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule the activities of workers who assemble furniture and fixtures of any materials, operate woodworking machines and finish furniture to specified colour or finish
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend work measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports.

### *Employment requirements*

- Completion of secondary school is usually required.
- Experience as a furniture and fixture assembler, woodworking machine operator, cabinetmaker or furniture finisher, is usually required.

## **92023 Supervisors, other mechanical and metal products manufacturing**

Supervisors in other mechanical and metal products manufacturing supervise and coordinate the activities of workers who fabricate, assemble and inspect mechanical and metal products, such as aircraft and aircraft parts, heavy trucks, buses, trailers, motor vehicle engines, transmissions, heating equipment, commercial refrigeration and similar metal products. They are employed by a wide variety of manufacturing companies.

### *Illustrative example(s)*

- aircraft assembly foreman/woman
- engine assembly foreman/woman (except aircraft)
- helicopter assembly foreman/woman
- metalworking machine operators foreman/woman
- mobile home assembly foreman/woman
- shipyard painter foreman/woman
- snowmobile assembly supervisor
- truck trailer assembly foreman/woman

### *Exclusion(s)*

- Aircraft engine assembly foreman/woman (See 72020-Contractors and supervisors, mechanic trades)
- Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations (72010)
- Machine fitters supervisor (See 72020-Contractors and supervisors, mechanic trades)
- Supervisors, electronics and electrical products manufacturing (92021)
- Supervisors, motor vehicle assembling (92020)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule activities of workers who assemble and inspect products such as aircraft, buses, heavy trucks, transmissions, automobile engines and refrigeration and heating equipment
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

### *Employment requirements*

- Completion of secondary school is usually required.
- Post-secondary education may be required for some occupations in this group.
- Several years of experience as an assembler or inspector in the same company are usually required.

## **92024 Supervisors, other products manufacturing and assembly**

Supervisors in other products manufacturing and assembly supervise and coordinate the activities of workers who assemble, fabricate and inspect a variety of products, such as jewellery, clocks and watches, millwork, sporting goods, toys and other miscellaneous products. They are employed in a wide variety of manufacturing companies.

### *Illustrative example(s)*

- bicycle assembly foreman/woman
- clock and watch assembly foreman/woman
- jewellery manufacturing foreman/woman
- millwork assembly foreman/woman
- millwork assembly supervisor
- silverware manufacturing supervisor
- sports equipment assembly supervisor
- toy manufacturing supervisor

### *Exclusion(s)*

- Other labourers in processing, manufacturing and utilities (95109)
- Other products assemblers, finishers and inspectors (94219)

### *Main duties*

This group performs some or all of the following duties:

- Supervise, coordinate and schedule activities of workers who assemble, fabricate and inspect products, such as jewellery, clocks, watches, bicycles, millwork, sporting goods and toys
- Establish methods to meet work schedules and coordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies

- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

#### *Employment requirements*

- Completion of secondary school may be required.
- Several years of experience as an assembler or inspector in the same company are usually required.

#### *Additional information*

- There is little mobility between different types of supervisors in this unit group.

## **921 Utilities equipment operators and controllers**

This sub-major group comprises utilities equipment operators and controllers, including power engineers and power systems operators, and water and waste treatment plant operators.

### **9210 Utilities equipment operators and controllers**

This minor group comprises utilities equipment operators and controllers, including power engineers and power systems operators, and water and waste treatment plant operators. They are employed by power generation plants, electrical power utilities, manufacturing plants, hospitals, universities and government and commercial establishments; and municipal governments, industrial facilities, composting plants and other waste management facilities.

#### **92100 Power engineers and power systems operators**

Power engineers operate and maintain reactors, turbines, boilers, generators, stationary engines and auxiliary equipment to generate electrical power and to provide heat, light, refrigeration and other utility services for commercial, institutional and industrial buildings and other work sites. Power systems operators monitor and operate switchboards and related equipment in electrical control centres to control the distribution of electrical power in transmission networks. They are employed by power generation plants, electrical power utilities, manufacturing plants, hospitals, universities and government and commercial establishments. Apprentices are also included in this unit group.

#### *Illustrative example(s)*

- apprentice power dispatcher
- auxiliary plant operator
- building systems technician
- control room operator - electrical power systems
- distribution control operator - electrical power systems
- electrical power systems operator
- energy from waste plant operator
- nuclear generating station field operator
- nuclear reactor operator
- power dispatcher - generating station
- power engineer
- power plant operator

- power plant stationary engineer
- stationary engineer

*Exclusion(s)*

- Civil and mechanical engineers (2130)
- Electrical, electronics and computer engineers (2131)
- Manufacturing and processing engineers (2132)
- Nuclear power station equipment mechanic (See 72400-Construction millwrights and industrial mechanics)
- Other engineers (2139)
- Supervisors, petroleum, gas and chemical processing and utilities (92011)

*Main duties*

This group performs some or all of the following duties:

Power engineers

- Operate automated or computerized control systems, stationary engines and auxiliary equipment such as reactors, boilers, turbines, generators, pumps, compressors, pollution control devices and other equipment to generate electrical power and to provide light, heat, ventilation and refrigeration for buildings, industrial plants and other work sites
- Start up and shut down power plant equipment, control switching operations, regulate water levels and communicate with systems operators to regulate and coordinate transmission loads, frequency and line voltages
- Monitor and inspect plant equipment, computer terminals, switches, valves, gauges, alarms, meters and other instruments to measure temperature, pressure and fuel flow to detect leaks or other equipment malfunctions and to ensure plant equipment is operating at maximum efficiency
- Analyze and record instrument readings and equipment malfunctions
- Troubleshoot and perform corrective action and minor repairs to prevent equipment or system failure
- Respond to emergency situations if required
- Clean and lubricate generators, turbines, pumps and compressors and perform other routine equipment maintenance duties using appropriate lubricants and hand, power and precision tools
- Maintain a daily log of operation, maintenance and safety activities, and write reports on plant operation and non-compliance
- May assist in the development of operation, maintenance and safety procedures.

Power systems operators

- Operate and monitor computerized switchboards and auxiliary equipment in electrical control centres to control the distribution and to regulate the flow of electrical power in the transmission network
- Coordinate, schedule and direct generating station and substation power loads and line voltages to meet distribution demands during daily operations, system outages, repairs and importing or exporting of power
- Monitor and visually inspect station instruments, meters and alarms to ensure transmission voltages and line loadings are within prescribed limits and to detect equipment failure, line disturbances and outages
- Issue work and test permits to electrical and mechanical maintenance personnel, assist maintenance and technical personnel to locate and isolate system problems, and assist during routine system testing
- Complete and maintain station records, logs and reports.

*Employment requirements*

- Completion of secondary school is usually required.
- Power engineers require a college training program in power engineering and several years of work experience. An exam is mandatory to move from one class to the other.
- Power engineers require a provincial or territorial power engineering certificate according to class. There are five classes in Manitoba, Saskatchewan, Alberta and British Columbia while there are four classes in Newfoundland/Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Yukon, Northwest Territories and Nunavut territories.
- Power systems operators require completion of a three- to five-year power system operator apprenticeship program or over three years of work experience in the trade and some college or industry courses in electrical and electronic technology.
- Trade certification is available, but voluntary for power systems operators in Newfoundland and Labrador.
- Trade certification is available, but voluntary for power engineers in Nova Scotia.
- Control room operators at nuclear power plants require licensing from the Canadian Nuclear Safety Commission.

*Additional information*

- There is little mobility between nuclear power generation station operators and other classic or alternative power generation station operators.
- Progression from lower to higher classes for power or stationary engineers is dependent on further training and experience.
- Progression to supervisory positions is possible with experience.

**92101 Water and waste treatment plant operators**

Water treatment plant operators monitor and operate computerized control systems and related equipment in water filtration and treatment plants to regulate the treatment and distribution of water. Liquid waste plant operators monitor and operate computerized control systems and related equipment in wastewater, sewage treatment and liquid waste plants to regulate the treatment and disposal of sewage and wastes. They are employed by municipal governments and industrial facilities. This unit group also includes waste treatment plant operators in composting plants and other waste management facilities.

*Illustrative example(s)*

- environmental systems operator - water treatment
- liquid waste process operator
- sewage plant operator
- waste treatment plant operator
- wastewater treatment plant operator
- water filtration plant operator
- water purification plant operator
- water treatment plant operator

*Exclusion(s)*

- Chemical engineers (21320)
- Chemical technologists and technicians (22100)
- Supervisors, petroleum, gas and chemical processing and utilities (92011)

- Utility Maintenance Workers (74204)
- Waterworks labourer (See 95102-Labourers in chemical products processing and utilities)

### *Main duties*

This group performs some or all of the following duties:

#### Water treatment plant operators

- Operate and monitor computerized control systems and related equipment in water filtration and treatment plants to regulate the treatment and distribution of water
- Monitor and inspect plant equipment and systems to detect equipment malfunctions and to ensure plant systems are operating normally
- Read flow meters, gauges and other recording instruments to measure water output and consumption levels, bacterial content, chlorine and fluoride levels
- Collect and test water samples for chemical and bacterial content, analyze test results and instrument readings and make adjustments to plant equipment and systems to ensure quality control
- Provide verbal or written instructions for process control changes to waterworks system to ensure water produced meets standardized quality requirements
- Perform security checks in plant and on grounds
- Respond to public enquiries regarding water quality issues and emergencies
- Complete and maintain plant logs, reports and statistics
- May perform minor maintenance or assist skilled tradespersons with installation and repair of plant machinery
- May measure, mix and transport chemicals to maintain feed stocks.

#### Liquid waste plant operators

- Operate and monitor computerized control systems and related equipment in wastewater treatment, sewage treatment and liquid waste plants to regulate the flow of sewage through settling, aeration and digestion tanks, and to treat and dispose of sewage and wastes
- Patrol plant to check pumps, motors, filters, chlorinators and other plant equipment; monitor and read gauges, meters and other recording instruments to detect equipment malfunctions and ensure plant systems and equipment are operating within prescribed limits
- Test and adjust chemical feed rates to ensure that disinfection processes meet quality standards
- Collect waste and sewage samples, test and analyze results and make adjustments to plant equipment and systems as required
- Perform security checks in plant and on grounds
- Complete and maintain plant logs and reports
- Perform preventive maintenance on plant equipment to ensure that the facility operates in accordance with required standards
- May assist skilled tradespersons with installation and repair of plant machinery.

### *Employment requirements*

- Completion of secondary school is required.
- College or industry training courses in chemistry, pollution control or related subjects are usually required.
- Certification in water treatment and distribution (level according to the classification of the plant) is required for water treatment plant operators.
- Drinking water certification is required in Quebec and Ontario for operators whose work involves water treatment and distribution.

- Certification in wastewater collection and wastewater treatment (level according to the classification of the plant) is required for wastewater treatment plant operators.
- Solid waste, landfill or compost facility operator certification may be required for operators in waste treatment plants.
- Certification in workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), and courses in safety practices may be required.
- On-the-job training is provided.
- Previous experience as a worker in the water treatment or wastewater field may be required.

#### *Additional information*

- There is limited mobility between water treatment plant and waste plant operators.
- Progression to supervisory positions is possible with experience.

### **93 Central control and process operators and aircraft assembly assemblers and inspectors**

This major group comprises central control and process operators and aircraft assembly assemblers and inspectors. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 3. Occupations classified in TEER 3, as those included in this group with a 3 as the second digit of their code, typically require completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or completion of an apprenticeship training program of less than two years; or more than six months of on-the-job training, training courses or specific work experience with some secondary school education; or the accumulation of several years of experience in a related occupation found in TEER 4, when applicable (TEER 4 includes occupations with a 4 as a second digit in their code).

#### **931 Central control and process operators in processing and manufacturing**

This sub-major group comprises central control and process operators in processing and manufacturing, including central control and process operators, mineral and metal processing; central control and process operators, petroleum, gas and chemical processing; and pulping, papermaking and coating control operators.

#### **9310 Central control and process operators in processing and manufacturing**

This minor group comprises central control and process operators in processing and manufacturing, including central control and process operators, mineral and metal processing; central control and process operators, petroleum, gas and chemical processing; and pulping, papermaking and coating control operators. They are employed by mineral ore and metal processing plants; petroleum and natural gas processing, pipeline and petrochemical companies; industrial, agricultural and specialty chemical and pharmaceutical companies; and pulp and paper companies.

#### **93100 Central control and process operators, mineral and metal processing**

Central control and process operators, mineral and metal processing, operate and monitor multi-function process control machinery and equipment to control the processing of mineral ores, metals or cement. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries and cement processing plants.

#### *Illustrative example(s)*

- blast furnace operator
- central control caster
- central control room operator - primary metal processing
- chief flotation operator

- console operator - cement manufacturing
- pelletizing control operator
- roaster operator - primary metal processing
- rolling mill control operator

#### *Exclusion(s)*

- Casting machine operator - foundry (See 94101-Foundry workers)
- Foundry furnace operator (See 94101-Foundry workers)
- Machine operators, mineral and metal processing (94100)
- Supervisors, mineral and metal processing (92010)

#### *Main duties*

This group performs some or all of the following duties:

- Coordinate and monitor the operation of a particular aspect of mineral ore, metal and cement processing production through control panels, computer terminals or other control systems, usually from a central control room
- Operate multi-function central process control machinery to grind, separate, filter, melt, roast, treat, refine or otherwise process mineral ores
- Observe computer printouts, video monitors and gauges to verify specified processing conditions and to make necessary adjustments
- Coordinate and supervise production crew such as machine and process operators, tenders, assistants and helpers
- Start up and shut down the production system in cases of emergency or as required by schedule
- Provide or organize training for members of production crew
- Maintain shift log of production and other data and prepare production and other reports.

#### *Employment requirements*

- Completion of secondary school is required.
- A college diploma may be required for some positions in this group.
- On-the-job training is provided.
- Several years of experience as a machine or process operator, usually in the same company or production department, are required.

#### *Additional information*

- There is little mobility among the various types of central control and process operators within the mineral and metal processing industry.
- With experience, central control and process operators may progress to supervisory positions in mineral and metal processing.

### **93101 Central control and process operators, petroleum, gas and chemical processing**

Central control and process operators in petroleum, gas and chemical processing monitor and operate petroleum, petrochemical and chemical plants and monitor, adjust and maintain processing units and equipment in these plants. They are employed by petroleum and natural gas processing, pipeline and petrochemical companies and industrial, agricultural and specialty chemical and pharmaceutical companies.



*Illustrative example(s)*

- acid plant operator
- chemical process operator
- chemical processing chief technician
- chlor-alkali plant cell room operator
- gas field production operator
- gas plant operator
- gas recovery operator
- master operator - chemical processing
- oil refinery process operator
- panel operator - chemical processing
- petroleum process operator
- pharmaceutical processing operator
- pipeline compressor station operator
- process technician - chemical processing
- refinery process technician

*Exclusion(s)*

- Chemical plant machine operators (94110)
- Supervisors, petroleum, gas and chemical processing and utilities (92011)

*Main duties*

This group performs some or all of the following duties:

- Operate electronic or computerized control panel from a central control room to monitor and optimize physical and chemical processes for several processing units
- Control process start-up, shut-down and troubleshooting
- Monitor outside process equipment
- Adjust equipment, valves, pumps and controls and process equipment
- Authorize or cosign maintenance work orders
- Shut down, isolate and prepare process units or production equipment for maintenance
- Sample products, perform tests, record data, carry out statistical process control on process operations, and write production logs
- Develop operating procedures for normal operation, start-up or shut-down of unit
- Participate in safety audits and programs and provide emergency response when required
- Ensure adherence to safety and environmental regulations
- May rotate between different processing units during shift cycles
- May work in a team with shared supervisory responsibilities and participate in training other workers
- May be cross-trained in a skilled trade and work in the trade during shift cycles.

*Employment requirements*

- Completion of secondary school is required. Mathematics, chemistry and physics subjects are often specified.

- A college diploma in process operation, sciences or a related subject may be required for some positions.
- Petroleum and chemical process operators and process technicians require completion of several years of formal company training.
- Experience as a petroleum or chemical process operator in all the operating units controlled by the central control room is required for chief operators.
- Company certification as a petroleum process operator or technician may be required.
- A provincial power engineer licence, compressor operator or refrigeration certificate may be required when certain kinds of equipment are included in the process.
- Certification in the transportation of dangerous goods (TDG), first aid, firefighting, or workplace hazardous materials information system (WHMIS) may be required.

#### *Additional information*

- There is considerable mobility among jobs within a company, often as part of a formal development or training program.
- Mobility to other petroleum or chemical processing plants is possible, but may be limited by the usual practice of training and promoting workers from within the establishment.
- Progression to supervisory or managerial positions is possible with experience.
- Personal protective equipment may be required for occupations in this unit group that may involve exposure to hazards of toxic, flammable or explosive chemicals.

### **93102 Pulping, papermaking and coating control operators**

Pulping, papermaking and coating control operators operate and monitor multi-function process control machinery and equipment to control the processing of wood, scrap pulp, recyclable paper, cellulose materials, paper pulp and paperboard. They are employed by pulp and paper companies.

#### *Illustrative example(s)*

- bleach plant operator - pulp and paper
- panelboard operator - pulp and paper
- paper machine control operator
- pulping control operator
- pulping group operator - pulp and paper
- pulping technician

#### *Exclusion(s)*

- Pulp mill, papermaking and finishing machine operators (94121)
- Supervisors, forest products processing (92014)

#### *Main duties*

This group performs some or all of the following duties:

- Operate, coordinate and monitor pulping, papermaking and papercoating process equipment from central control room or machine consoles and control panels in equipment cabins to control process operations and machinery in the production of pulp and paper
- Control the processing of wood, scrap pulp, recyclable paper, cellulose materials, pulp paper and paperboard and monitor the chemical and physical process operations using a distributed control system and process computers

- Observe panel indicators, gauges, video monitors and other instruments to detect equipment malfunctions and ensure pulping, papermaking and coating processes are operating according to process specifications
- Analyze instrument readings and production test samples and make adjustments or direct other pulp mill, papermaking and finishing machine operators to make adjustments to pulp production, papermaking and coating process and equipment as required
- Complete and maintain production reports.

#### *Employment requirements*

- Completion of secondary school is required.
- A college or other program in forest products processing or a related subject may be required for pulping control operators.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Several years of experience as a pulp mill, papermaking or finishing machine operator within the same company is usually required.
- A certificate in industrial first aid may be required.
- A competency certificate in natural gas may be required.

#### *Additional information*

- There is limited mobility among jobs within this unit group.
- Progression to supervisory positions is possible with experience.

### **932 Aircraft assemblers and aircraft assembly inspectors**

This sub-major group comprises aircraft assemblers and aircraft assembly inspectors.

#### **9320 Aircraft assemblers and aircraft assembly inspectors**

This minor group comprises aircraft assemblers and aircraft assembly inspectors. They are employed by aircraft and aircraft subassembly manufacturers.

#### **93200 Aircraft assemblers and aircraft assembly inspectors**

Aircraft assemblers assemble, fit and install prefabricated parts to manufacture fixed wing or rotary wing aircraft or aircraft subassemblies. Aircraft assembly inspectors inspect aircraft assemblies for adherence to engineering specifications. They are employed by aircraft and aircraft subassembly manufacturers.

#### *Illustrative example(s)*

- aircraft assembler
- aircraft assembly inspector
- airframe assembler
- bench and structural assembler
- bench fitter mechanic - aircraft assembly
- rigger - aircraft assembly
- wing tank mechanic - aircraft assembly

### *Exclusion(s)*

- Aircraft assembly supervisor (See 92023-Supervisors, other mechanical and metal products manufacturing)
- Aircraft electronic equipment installer (See 22313-Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Aircraft engine assembly fitter (See 72405-Machine fitters)
- Aircraft mechanics and aircraft inspectors (72404)
- Aircraft painter (See 94213-Industrial painters, coaters and metal finishing process operators)
- Avionics systems installer (See 22313-Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)

### *Main duties*

This group performs some or all of the following duties:

#### Aircraft assemblers

- Read and interpret aircraft assembly diagrams
- Assemble and fit pre-fabricated parts to form subassemblies, working at benches or directly on an aircraft structure
- Assemble, fit and install pre-fabricated parts and subassemblies such as aircraft skins, flight controls, rigging, hydraulics and other mechanical systems.

#### Aircraft assembly inspectors

- Inspect aircraft assemblies, using measuring and testing equipment, for adherence to engineering specifications
- Inspect assemblies for alignment, symmetry, dimensions, fit and quality of workmanship
- Complete detailed inspection documentation.

### *Employment requirements*

- Completion of secondary school is required.
- Completion of a college or other program in aviation or aeronautical technology, with emphasis in aircraft manufacturing, may be required.
- Aircraft assemblers receive several months of on-the-job and classroom training.
- Aircraft assembly inspectors require experience as an aircraft assembler.

### *Additional information*

- Aircraft assemblers and assembly inspectors may progress to supervisory positions with experience.

## **94 Machine operators, assemblers and inspectors in processing, manufacturing and printing**

This major group comprises machine operators, assemblers and inspectors in processing, manufacturing and printing. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 4. Occupations classified in TEER 4, as those included in this group with a 4 as the second digit of their code, typically require completion of secondary school; or several weeks of on-the-job training with some secondary school education; or experience in a related occupation from TEER 5, when applicable (TEER 5 includes occupations with a 5 as a second digit in their code).

## 941 Processing and manufacturing machine operators and related production workers

This sub-major group comprises processing and manufacturing machine operators and related production workers, including machine operators and related workers in mineral and metal products processing and manufacturing; machine operators and related workers in chemical, plastic and rubber processing; machine operators and related workers in pulp and paper production and wood processing and manufacturing; machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing; machine operators and related workers in food, beverage and associated products processing; and printing equipment operators and related occupations.

### 9410 Machine operators and related workers in mineral and metal products processing and manufacturing

This minor group comprises machine operators and related workers in mineral and metal products processing and manufacturing, including machine operators, mineral and metal processing; foundry workers; glass forming and finishing machine operators and glass cutters; concrete, clay and stone forming operators; inspectors and testers, mineral and metal processing; metalworking and forging machine operators; machining tool operators; and machine operators of other metal products. They are employed by mineral ore and metal processing plants and cement processing plants; metal foundries and foundry departments of metal products manufacturing companies; glass and glass products manufacturing companies; concrete, clay and stone products manufacturing companies; sheet metal products manufacturing companies, sheet metal shops and other light metal products manufacturing establishments; structural steel fabrication, boiler and platework manufacturing companies and heavy machinery manufacturing companies; metal products and other manufacturing companies and machine shops; and in the shipbuilding, fabricated metal products, machinery and transportation equipment manufacturing industries.

#### 94100 Machine operators, mineral and metal processing

Machine operators in mineral and metal processing operate machinery to process mineral ore and metal. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries and cement processing plants.

##### *Illustrative example(s)*

- aluminum classifier
- asbestos dryer
- billet heater
- brick and tile crusher operator
- cement miller
- extrusion press operator
- foil-winding machine operator
- ladle pourer
- lead refiner
- lime kiln operator
- mica sheet laminator
- quenching car operator
- scrap metal shredder
- sintering machine operator
- slurry equipment operator
- steel roller
- uranium classifier operator
- zinc cell operator

### *Exclusion(s)*

- Central control and process operators, mineral and metal processing (93100)
- Concrete, clay and stone forming operators (94103)
- Foundry workers (94101)
- Glass forming and finishing machine operators and glass cutters (94102)
- Inspectors and testers, mineral and metal processing (94104)
- Labourers in mineral and metal processing (95100)
- Supervisors, mineral and metal processing (92010)

### *Main duties*

This group performs some or all of the following duties:

- Set up, prepare and adjust mineral ore, metal and cement processing machinery to carry out one step in the overall mineral ore or metal processing operation
- Operate single-function machinery to grind, separate, filter, mix, treat, cast, roll, refine or otherwise process mineral ores
- Observe gauges, meters, computer printouts, video monitors and products to ensure correct operation of machinery and verify processing conditions
- Make adjustments to machinery as required
- Record production information and complete reports
- May assist with machinery maintenance or repair.

### *Employment requirements*

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Experience as a labourer in mineral and metal processing is usually required for machine operators.

### *Additional information*

- There is little mobility among the various types of machine operators within the mineral and metal processing industry.
- With experience, machine operators may progress to central control and process operators in mineral and metal processing.

## **94101 Foundry workers**

Foundry workers make foundry moulds and cores by hand or machine, cast molten metal, and operate furnaces in the foundry industry. They are employed by metal foundries and foundry departments of metal products manufacturing companies.

### *Illustrative example(s)*

- bench moulder - foundry
- casting machine operator - foundry
- ceramic mouldmaker - foundry
- die-casting machine operator
- foundry worker
- furnace operator - foundry

- manual moulder
- melter - foundry
- pit moulder
- sand coremaker
- sand moulder

#### *Exclusion(s)*

- Continuous casting operator - primary metal processing (See 93100-Central control and process operators, mineral and metal processing)
- Foundry labourer (See 95100-Labourers in mineral and metal processing)
- Foundry supervisor (See 92010-Supervisors, mineral and metal processing)
- Furnace operator - primary metal and mineral products processing (See 93100-Central control and process operators, mineral and metal processing)

#### *Main duties*

This group performs some or all of the following duties:

##### Mouldmakers and coremakers

- Make and repair sand moulds using patterns, moulding boxes, sand and hand tools following bench, floor or pit moulding methods
- Operate ovens to dry moulds
- Make cores for use inside moulds to form holes or void spaces in castings using core boxes, sand, hammer and wire or other reinforcing material
- Coat cores with protective materials and bake cores in oven
- Set up, adjust and operate various mouldmaking and coremaking machines to make sand and ceramics moulds and cores
- May pour molten metal into moulds to produce metal castings.

##### Metal casters

- Set up and operate various casting machines to cast ferrous and non-ferrous metal products; hand ladle and pour molten metal into moulds to produce castings.

##### Foundry furnace operators

- Operate furnaces used to melt metals for moulding and casting.

#### *Employment requirements*

- Completion of secondary school is required.
- Several weeks of on-the-job training are required.

#### *Additional information*

- There is some mobility between workers in this unit group.
- Progression to supervisory positions is possible with experience.

## 94102 Glass forming and finishing machine operators and glass cutters

Glass forming and finishing machine operators operate multi-function process control machinery or single-function machines to melt, form, cut or finish flat glass, glassware, bottles, and other glass products. Glass cutters cut flat glass of various thicknesses to specified sizes and shapes by hand. They are employed by glass and glass products manufacturing companies.

### *Illustrative example(s)*

- bottle machine operator - glass products manufacturing
- float operator - glass forming
- glass beveller
- glass edger
- glass moulder
- glass-blowing machine operator
- glass-finishing machine operator
- glass-pressing machine operator
- hand glass cutter
- mirror maker

### *Exclusion(s)*

- Glass blower (See 53124-Artisans and craftspersons)
- Glass inspector (See 94104-Inspectors and testers, mineral and metal processing)
- Glass-forming machine operator helper (See 95100-Labourers in mineral and metal processing)
- Glaziers (73111)
- Neon sign maker (See 94202-Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing)
- Supervisors, mineral and metal processing (92010)

### *Main duties*

This group performs some or all of the following duties:

#### Glass process control operators

- Operate multi-function process control machinery through control panels, computer terminals or other control systems to mix and melt raw materials; heat, anneal, temper or form float glass or glass products; and coat glass with silver or other metals and materials
- Observe gauges, computer printouts and video monitors to verify specified processing conditions and make adjustments as necessary
- Maintain shift log of production and other data
- May operate process control machinery to cut glass or assemble glass window units
- May clean and maintain process machinery
- May ensure adequate levels of oil, soap, talc or other materials used in machine production of glass.

#### Glass forming machine operators

- Set up and adjust automatic glass feeding, flowing and forming machines



- Operate and maintain machines that press or blow molten glass in moulds to form or shape containers, such as bottles, jars and drinking glasses
- Operate electric kilns that heat glass sheets and mould to the shape and curve of metal jigs
- Spray or swab moulds with oil solutions to prevent adhesion of glass
- Weigh, measure and check production samples to assess conformance to specifications using scales and gauges and by visual verification.

#### Glass finishing machine operators

- Set up and adjust glass and glass-product finishing machines
- Operate and maintain finishing machines to grind, drill, sand, bevel, decorate, wash or polish glass or glass products
- Visually inspect products for quality
- Record manufacturing information such as quantity, size and type of goods produced.

#### Glass cutters

- Jig, measure and mark glass or place pattern on or under glass for cutting
- Examine and mark defective glass to obtain best cut
- Cut glass along marked outlines or around pattern using hand tools
- Smooth rough edges using belt sander or smoothing wheels
- Set up, operate and adjust computerized or robotic glass cutting equipment
- Monitor process for product quality.

#### *Employment requirements*

- Completion of secondary school may be required.
- Experience as a machine operator helper in glass manufacturing is usually required for machine operators in this unit group.
- Experience as a glass cutter helper is usually required for manual glass cutters.

#### *Additional information*

- Mobility is possible among the various types of machine operators in this unit group.
- Progression to supervisory positions is possible with experience.

### **94103 Concrete, clay and stone forming operators**

Concrete, clay and stone forming operators cast and finish concrete products, operate machines to extrude, mould, press and bake clay products, and operate machines to form, cut and finish stone products. They are employed by concrete, clay and stone products manufacturing companies.

#### *Illustrative example(s)*

- asbestos shingle presser
- brick presser operator
- clay press operator
- clay products moulder
- concrete block maker
- finisher - concrete, clay and stone products

- granite cutter
- marble cutter
- precast concrete moulder
- precast concrete slab maker
- stone driller
- stone planer
- stonework moulder

*Exclusion(s)*

- Carver (See 53124-Artisans and craftspersons)
- Concrete finishers (73100)
- Concrete products inspector (See 94104-Inspectors and testers, mineral and metal processing)
- Labourers in mineral and metal processing (95100)
- Potter (See 53124-Artisans and craftspersons)
- Sculptor (See 53122-Painters, sculptors and other visual artists)
- Stone inspector - mineral products processing (See 94104-Inspectors and testers, mineral and metal processing)
- Stonemason (See 72320-Bricklayers)
- Supervisors, mineral and metal processing (92010)

*Main duties*

This group performs some or all of the following duties:

Concrete products forming and finishing machine operators and workers

- Set up, adjust and operate single-function machines to mix, drill, grind and cut concrete to specifications in the manufacture of concrete products
- Check products for quality control, repair flaws and perform ongoing machine adjustments and minor maintenance as necessary
- Move products using forklift, crane or hydraulic hoist
- Record manufacturing information such as quantity, size and type of goods produced
- Construct clay models and moulds by hand and with hand tools for use in casting concrete products
- Build and repair wooden forms used to mould concrete products
- Position reinforcing rods or wire mesh in moulds and fill moulds with concrete from suspended pouring buckets
- Start vibrating tables to settle concrete, or tamp concrete using electric vibrator
- Remove castings from mould with crane or forklift, and finish surfaces of castings using screed or trowel
- Cut cured concrete pipe sections with saw or chisel, and cement sections together to form odd shaped fittings.

Clay products forming and finishing machine operators

- Set up and operate automatic machines that mix ingredients, extrude tempered clay mixture and cut extruded clay into sections to make products such as bricks, drain tiles and porcelain insulators
- Operate mechanical or hydraulic ram and hot-presses to form pottery and porcelain ware

- Prepare and mix slip and fill moulds with slip to form pottery and porcelain ware such as jugs, cups, sinks and toilet bowls
- Operate kiln to bake clay products to specified hardness.

#### Stone forming and finishing workers

- Operate blade or wire saws to cut blocks of stone to specified dimensions
- Operate machines to grind and polish surfaces of stone blocks, slabs or other stone products to specific shape or design and to produce smooth finish
- Operate sandblasting equipment to cut inscriptions or decorative designs in stone monuments
- Finish stone products with spray paint and by mounting plaques or installing concrete bases
- Operate stone-dressing lathe to sharpen and dress grindstones that grind logs into pulp
- Operate machine to drill holes in blocks or slabs of stone according to specifications.

#### *Employment requirements*

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in concrete, clay or stone products manufacturing may be required.
- Mould makers in this unit group who construct and repair wooden forms may require some carpentry or woodworking experience.

#### *Additional information*

- Mobility is possible between workers within each of the concrete, clay and stone manufacturing sectors, but there is little or no mobility between these manufacturing sectors.
- Progression to supervisory positions is possible with experience.

### **94104 Inspectors and testers, mineral and metal processing**

Inspectors and testers in mineral and metal processing inspect, grade, sample or test raw materials and products from mineral ore and metal processing operations. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries, cement processing plants, clay, glass and stone processing plants and foundries.

#### *Illustrative example(s)*

- asbestos grader
- brick and tile inspector
- castings tester - primary metal and mineral products processing
- clay products grader
- core tester - foundry
- fibreglass tester
- glass quality control inspector
- heat treating inspector - metal processing
- metal processing inspector
- mineral sampler - mineral products processing
- molten metal sampler - primary metal processing
- salvage glass inspector

- sheet steel inspector - primary metal processing
- steel tester - primary metal processing

#### *Exclusion(s)*

- Assayer - mineralogy (See 22101-Geological and mineral technologists and technicians)
- Central control and process operators, mineral and metal processing (93100)
- Chemical technologists and technicians (22100)
- Machine operators, mineral and metal processing (94100)
- Metallurgical control analyst (See 22101-Geological and mineral technologists and technicians)
- Non-destructive testers and inspectors (22230)
- Supervisors, mineral and metal processing (92010)

#### *Main duties*

This group performs some or all of the following duties:

- Inspect mineral ore, metal, cement, glass, clay or concrete products at various stages of processing to ensure adherence to specifications
- Grade and label raw materials or finished products according to size, thickness, composition or other classification standards
- Take samples of products during or after processing operation for routine analysis or for subsequent laboratory analysis
- Test product for strength, density, durability and conformance to specifications
- Advise supervisor or central control operator and process machine operators of problems and product deficiencies
- Complete inspection and test reports.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Experience as a machine or process operator in mineral and metal processing is usually required.

### **94105 Metalworking and forging machine operators**

Light metalworking machine operators operate metalworking machines which shape and form sheet or other light metal into parts or products. Heavy metalworking machine operators operate metalworking machines which shape and form steel or other heavy metal into parts or products. Forging machine operators operate forging machines to form and shape metal into various shapes and sizes and impart desired strength, hardness or other characteristics. Light metalworking machine operators are employed by sheet metal products manufacturing companies, sheet metal shops and other light metal products manufacturing establishments. Heavy metalworking machine operators are employed by structural steel fabrication, boiler and platework manufacturing companies, heavy machinery manufacturing companies and in the shipbuilding industry. Forging machine operators are employed primarily in the fabricated metal products, machinery and transportation equipment manufacturing industries.

#### *Illustrative example(s)*

- bending press operator - metal fabrication
- cold press operator - metal forging
- disk flange operator - metal fabrication

- drop hammer operator - metal forging
- electric arc cutter - metal products manufacturing
- forging press operator
- metal-forming machine set-up operator
- metalworking machine operator
- power brake operator - metal fabrication
- power press operator - metal fabrication
- punch press setter - metalworking
- roll operator - metal fabrication
- saw operator - metal fabrication
- shear setter - metal fabrication
- sheet metal roll operator - metal fabrication

#### *Exclusion(s)*

- Sheet metal workers (72102)
- Structural metal and platework fabricators and fitters (72104)
- Supervisors, other mechanical and metal products manufacturing (92023)

#### *Main duties*

This group performs some or all of the following duties:

##### Metalworking machine operators

- Read specifications or follow verbal instructions
- Lay out, set up and operate one or more light or heavy metalworking machines such as shears, power presses, saws, plate rolls, drills, brakes, slitters, punch presses, computer numerically controlled (CNC) equipment, and other hand tools to cut, bend, roll, ream, punch and drill, weld or otherwise shape and form metal stock into parts or products
- Operate machines or equipment which weld, solder, bolt, screw or rivet metal parts together
- Check products for correct shapes, dimensions and other specifications
- Troubleshoot and perform corrective action or minor repairs
- May select and transport material to work area manually or using crane or hoist
- May document work completed
- May build staging or erect scaffolding as required for heavy metalworking jobs
- May clean or lubricate equipment and replace parts as required.

##### Forging machine operators

- Operate gas or oil fired furnaces to heat metal to proper temperature prior to forging
- Place metal pieces in furnace using hand tongs or overhead cranes and remove from furnace when colour of metal indicates proper forging temperature, or load and unload furnace with automatic conveyor
- Position heated or cold metal pieces, on die of press or other forging machinery
- Operate presses or other forging machines to perform hot or cold forging by flattening, straightening, twisting, forming, drawing, upsetting, splitting, cutting, punching, piercing, bending, coining, or other operations to shape or form metal
- Position and adjust dies on anvil of forging machinery using overhead cranes or other hoisting devices and hand tools.

### *Employment requirements*

- Completion of secondary school education may be required.
- Previous experience as a labourer or helper in the same company may be required.
- On-the-job training is usually provided.

### *Additional information*

- There is little or no mobility between operators of light and heavy metalworking machines.
- Progression to structural metal fabricator or supervisory positions is possible with experience for metalworking machine operators.
- Progression to blacksmith, die setting, or supervisory positions is possible with experience for forging machine operators.

## **94106 Machining tool operators**

Machining tool operators set up and operate or tend metal-cutting machines designed for repetitive machining work. They are employed by metal products and other manufacturing companies and in machine shops. This unit group also includes workers who etch or chemically mill metal pieces.

### *Illustrative example(s)*

- aircraft parts etcher
- boring mill operator - metal machining
- computer numerical control (CNC) machining tool operator
- lathe machining operator
- machining tool operator
- milling machine set-up operator
- radial drill operator - metal machining

### *Exclusion(s)*

- Computer numerical control (CNC) programmer (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Computer-assisted design/computer-assisted manufacturing (CAD/CAM) programmer (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations (72010)
- Machinists and machining and tooling inspectors (72100)
- Tool and die makers (72101)

### *Main duties*

This group performs some or all of the following duties:

- Study job orders and interpret blueprints to determine machining operations to be performed
- Set up and operate machine tools to perform repetitive machining operations, such as turning, milling, drilling, boring, planing, honing, broaching, grinding or other machining operations
- Verify dimensions of parts machined using micrometers, callipers and other precision measuring instruments

- Prepare etching solution and immerse metal parts or workpiece in etching solution to remove unwanted portions
- Perform routine maintenance on equipment and machinery
- May enter codes specifying speed, feed and cut of the toolpath for computer numerical controlled (CNC) machine tools.

#### *Employment requirements*

- Secondary school education is required.
- College or other courses in machining may be required.
- Several weeks of on-the-job training are provided.
- Senior positions in this unit group, such as set-up operator, require experience as a machine operator.

#### *Additional information*

- Experienced machining tool operators may become machinists or tool and die makers through apprenticeship training.

### **94107 Machine operators of other metal products**

Other metal products machine operators operate one or more automatic or multi-purpose machines to produce a variety of metal parts and products, such as wire mesh, nails, bolts and chains. They are employed by a wide variety of metal products manufacturing companies.

#### *Illustrative example(s)*

- bolt machine operator
- bullet maker
- can-forming machine operator
- chain-making machine operator
- metal cable maker operator
- nail making machine tender
- spring machine operator
- wire screen maker
- wire weaver

#### *Exclusion(s)*

- Machining tool operators (94106)
- Metalworking and forging machine operators (94105)
- Supervisors, other mechanical and metal products manufacturing (92023)

#### *Main duties*

This group performs some or all of the following duties:

- Operate or tend automatic or multi-purpose machines including wire looms to produce metal parts and metal products such as wire screening, fencing, tinware, metal baskets, racks, hooks, metal tubing and similar articles
- Fit and assemble components using hand and power tools
- Clean, polish, file or otherwise finish products

- Check products for quality and other specifications
- May clean and lubricate machinery.

#### *Employment requirements*

- Some secondary school education is usually required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required.

#### *Additional information*

- There is some mobility among machine operators in this unit group.
- Progression to supervisory positions is possible with experience.

### **9411 Machine operators and related workers in chemical, plastic and rubber processing**

This minor group comprises machine operators and related workers in chemical, plastic and rubber processing, including chemical plant machine operators; plastics processing machine operators; and rubber processing machine operators and related workers. They are employed in chemical, cleaning compound, ink and adhesive industries; by chemical processing departments in other industries; plastic products manufacturing companies; and tire manufacturers and other rubber products manufacturing companies.

#### **94110 Chemical plant machine operators**

Chemical plant machine operators monitor and operate units and machinery to blend, mix, process and package a wide range of specialty chemicals, pharmaceuticals, cleaning and toiletry products. They are primarily employed in chemical, cleaning compound, ink and adhesive industries, but may also be employed by chemical processing departments in other industries.

#### *Illustrative example(s)*

- batch mixer - chemical processing
- blender operator - chemical processing
- capsule machine operator - chemical processing
- evaporator operator - chemical processing
- formulations blender operator - chemical processing
- glue blender - chemical processing
- granulator machine operator - chemical processing
- mixer - chemical processing
- screener - chemical processing
- soap maker

#### *Exclusion(s)*

- Central control and process operators, petroleum, gas and chemical processing (93101)
- Supervisors, petroleum, gas and chemical processing and utilities (92011)



*Main duties*

This group performs some or all of the following duties:

- Monitor meters, gauges and electronic instrumentation on one or more chemical processing or formulation units, such as mixers, kettles, blenders, dryers, tableting, encapsulation, granulation and coating machines
- Measure, weigh and load chemical ingredients following formulation cards
- Start up, shut down, troubleshoot and clean equipment
- Adjust processing machines and equipment
- Monitor reaction processes and transfers of products in conformance with safety procedures
- Take samples and perform routine chemical and physical tests of products
- Record production data
- May operate equipment from a control room or from control consoles located near the production units.

*Employment requirements*

- Completion of secondary school is usually required.
- Completion of several weeks of on-the-job training or informal/formal company training is usually required.
- Completion of additional training may be required for some operators working in pharmaceutical, explosives and agricultural chemical or in specialty chemical plants.
- Previous experience in chemical products processing as an assistant, labourer or helper may be required for some occupations in this unit group.
- Certification in the transportation of dangerous goods (TDG), forklift operator certification, first aid, firefighting, workplace hazardous materials information system (WHMIS) and other health and safety training may be required for some occupations in this unit group.

*Additional information*

- Mobility between employers producing similar products is possible for some of the more skilled operators in this unit group.
- Progression to supervisory positions or to process control occupations is possible with experience.
- Personal protective equipment may be required when working with some types of chemicals or pharmaceuticals.

**94111 Plastics processing machine operators**

Plastics processing machine operators set up and operate plastic mixing, calendaring, extruding and moulding processing machines used in the manufacture of plastic parts and plastic products. They are employed by plastic products manufacturing companies.

*Illustrative example(s)*

- bag machine operator
- banbury operator - plastic manufacturing
- blow moulding machine operator - plastic manufacturing
- calender operator - plastic manufacturing
- extruder operator - plastic manufacturing
- injection moulding operator - plastic manufacturing
- plastics press operator
- printing roller moulder - plastic manufacturing

- solution mixer operator - plastic manufacturing
- thermoforming operator

#### *Exclusion(s)*

- Labourers in rubber and plastic products manufacturing (95104)
- Plastic products assemblers, finishers and inspectors (94212)
- Rubber processing machine operators and related workers (94112)
- Supervisors, plastic and rubber products manufacturing (92013)

#### *Main duties*

This group performs some or all of the following duties:

##### Mixing machine operators

- Weigh resins, colourants and other chemicals according to formula
- Place weighed materials in mixing machine and operate machine to blend plastic and other chemicals to a specified consistency or viscosity
- Monitor operation, regulate material supply and add chemicals and colourants to mixture
- Operate controls to regulate temperature, speed and other processing conditions
- Unload mixture into container or conveyor for further processing
- Maintain and perform minor repairs on machinery as required
- Maintain inventory of material and clean working area.

##### Calendering process operators

- Set up and operate calendering machines which transform dough-consistent plastic mass into continuous sheets or films of specified thickness
- Troubleshoot, maintain and make minor repairs to equipment and adjust calender rollers for production line change
- Monitor quality of material produced
- Maintain inventory of material and clean working area.

##### Extruding process operators

- Set up and operate one or more extruding machines which extrude plastic composites products through a nozzle or die
- Change dies on extruding machines according to production line change
- Troubleshoot, maintain and make minor repairs to equipment
- Monitor quality of material produced
- Maintain inventory of material and clean working area.

##### Moulding process operators

- Set up and operate one or more moulding machines which mould plastic products according to specifications
- Change moulds and adjust equipment for production line change
- Troubleshoot, maintain and make minor repairs to equipment
- Monitor quality of material produced and adjust machine settings as required

- Follow formulation card to mix ingredient batches for injection moulding process
- Maintain inventory of material and clean working area.

#### *Employment requirements*

- For all operators in this unit group, completion of secondary school is usually required.
- Several years of experience as a helper, tender or packer in the same company may be required.
- Completion of a statistical process control (SPC) course may be required.
- Completion of courses in hydraulics, pneumatics and electronics systems may be required for moulding process operators.
- On-the-job training is provided.

#### *Additional information*

- Mobility among the various operators in this unit is possible.
- Progression to supervisory positions is possible with experience.

### **94112 Rubber processing machine operators and related workers**

Rubber processing machine operators and related workers operate rubber processing machinery and assemble and inspect rubber products. They are employed by tire manufacturers and other rubber products manufacturing companies.

#### *Illustrative example(s)*

- banbury operator - rubber products manufacturing
- blow-out and test operator - rubber products
- calender machine operator - rubber products manufacturing
- cure operator - rubber products manufacturing
- extruder operator - rubber products manufacturing
- moulding press tender - rubber products manufacturing
- refiner mill tender - rubber products manufacturing
- rubber belt builder
- rubber hose builder
- rubber processing machine operator
- rubber products assembler
- rubber products manufacturing inspector
- scrap rubber grinder - recycling
- tire builder
- tire inspector

#### *Exclusion(s)*

- Labourers in rubber and plastic products manufacturing (95104)
- Plastic products assemblers, finishers and inspectors (94212)
- Plastics processing machine operators (94111)
- Supervisors, plastic and rubber products manufacturing (92013)

### *Main duties*

This group performs some or all of the following duties:

#### Rubber processing machine operators

- Set up, operate and tend machinery used for mixing, calendaring, extruding, moulding and curing rubber materials or rubber products
- Load or feed rubber, pigments, filler, oil and chemicals into machines
- Check and monitor processing conditions and product quality
- Adjust machines to proper setting as required
- Train or assist in training new workers.

#### Rubber products assemblers

- Lay out and prepare rubber materials for assembly
- Operate machines or equipment or use hand tools to cut, shape, splice, fit and cement rubber materials to form rubber parts or finished rubber products
- Operate finishing machines or equipment to trim, grind, or buff rubber products into final form
- Train or assist in training new workers.

#### Rubber products inspectors

- Inspect finished rubber products for defects and conformance to specifications and quality standards, visually or using instruments
- Affix seals or tags to approved products and mark and reroute defective products for repair or recycle
- Fill out product inspection report
- May make minor adjustments or repairs to products.

### *Employment requirements*

- Completion of secondary school may be required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

### *Additional information*

- Mobility among the various labourers in this unit group is possible.
- Progression to supervisory positions is possible with experience.

## **9412 Machine operators and related workers in pulp and paper production and wood processing and manufacturing**

This minor group comprises machine operators and related workers in pulp and paper production and wood processing and manufacturing, including sawmill machine operators; pulp mill, papermaking and finishing machine operators; paper converting machine operators; lumber graders and other wood processing inspectors and graders; and woodworking machine operators. They are employed by sawmills and planing mills; pulp and paper companies; woodrooms of pulp mills, wood treatment plants, waferboard plants and other wood processing plants; paper products manufacturing companies; and furniture, fixture and other wood products manufacturing establishments.

## 94120 Sawmill machine operators

Sawmill machine operators operate, monitor and control automated lumbermill equipment to saw timber logs into rough lumber; saw, trim and plane rough lumber into dressed lumber of various sizes; and saw or split shingles and shakes. They are employed in sawmills and planing mills.

### *Illustrative example(s)*

- circular saw operator
- edgerman/woman
- head sawyer
- log cut-off operator
- planer operator
- resaw operator
- shake splitter
- trimmerman/woman

### *Exclusion(s)*

- Labourers in wood, pulp and paper processing (95103)
- Lumber graders and other wood processing inspectors and graders (94123)
- Other wood processing machine operators (94129)
- Supervisors, forest products processing (92014)
- Woodworking machine operators (94124)

### *Main duties*

This group performs some or all of the following duties:

- Operate front-end loaders and stationary deck cranes to feed logs into the sawmill
- Examine logs and rough lumber to determine size, condition, quality and other characteristics to decide best lumber cuts to carry out, or use automated equipment to convey logs through laser scanners which determine the most productive and profitable cutting patterns
- Operate automated lumbermill from control rooms or consoles to saw logs into rough lumber; saw, trim and plane rough lumber into dressed lumber of various sizes; and saw or split shingles and shakes
- Start conveyor system to move logs and lumber to and from saws
- Set up and adjust saw equipment and replace blades or bands using wrenches, gauges and other hand tools
- Operate equipment to sort and stack lumber by length and thickness, move stacks to storage areas or drying kilns, and feed lumber through planers
- Monitor movement of lumber and computer screens to ensure cuts are made according to specifications, and print production reports
- Clean and lubricate sawmill equipment.

### *Employment requirements*

- Completion of secondary school is usually required.
- College courses in wood processing technology may be required.
- Several weeks of on-the-job training are usually provided.

- Head sawyers and planer operators usually require several years of experience in other sawmill machine operating positions in the same company.
- A certificate in industrial first aid may be required.

*Additional information*

- There is some mobility among jobs in this occupational group.
- Progression to supervisory positions is possible with experience.

## **94121 Pulp mill, papermaking and finishing machine operators**

Pulp mill and papermaking and finishing machine operators operate and monitor various types of processing machinery and equipment to produce pulp and assist papermaking and coating control operators to produce, coat and finish paper. They are employed by pulp and paper companies.

*Illustrative example(s)*

- assistant bleacher operator - pulp and paper
- assistant coating operator - pulp and paper
- calender operator - pulp and paper
- cook - pulp and paper
- digester operator - pulp and paper
- embossing calender operator - pulp and paper
- fourth hand - pulp and paper
- graderman/woman - pulp and paper
- grinderman/woman - pulp and paper
- paper machine operator
- paper-coating machine operator
- refiner operator - pulp and paper
- sheeter operator - pulp and paper
- thermomechanical pulp assistant operator
- thermomechanical pulp operator
- winder operator - pulp and paper
- winderman/woman - pulp and paper

*Exclusion(s)*

- Labourers in wood, pulp and paper processing (95103)
- Paper converting machine operators (94122)
- Pulping, papermaking and coating control operators (93102)
- Supervisors, forest products processing (92014)

*Main duties*

This group performs some or all of the following duties:

- Operate and monitor paper mill, papermaking and finishing process machinery and equipment such as screening equipment, bleaching equipment, digesters, mixing tanks, and washers to carry out one or more cellulose processing steps and equipment such as dryers, laminators, cutters, coaters, calenders and hoists to carry out one or more papermaking and finishing process steps

- Observe equipment and machinery panel indicators, gauges, level indicators and other equipment instruments to detect machinery and equipment malfunctions and ensure process steps are carried out according to specifications
- Communicate with pulping, papermaking and coating control operators to make process adjustments and start up or shut down machinery and equipment as required
- Collect processing samples and conduct titration tests, pH readings, specific density tests and other routine tests on pulp and solutions
- Inspect paper visually for wrinkles, holes, discolouration, streaks or other defects and take corrective action
- Complete and maintain production reports.

#### *Employment requirements*

- Completion of secondary school is required.
- A college diploma in forest products processing or a related subject may be required.
- Completion of several weeks of formal company training and/or on-the-job training is required.
- Previous experience as a labourer within the same company is usually required.
- A certificate in industrial first aid may be required.
- A competency certificate in natural gas may be required.

#### *Additional information*

- There is limited mobility among jobs within this occupational group.
- Progression to pulping or papermaking and coating control operator occupations is possible with experience.

### **94122 Paper converting machine operators**

Paper converting machine operators operate various machines which fabricate and assemble paper products such as paper bags, containers, boxes, envelopes and similar articles. They are employed by paper products manufacturing companies.

#### *Illustrative example(s)*

- box maker operator
- carton forming machine operator
- core maker - paper converting
- envelope maker operator
- paper bag machine operator
- paper box machine operator

#### *Exclusion(s)*

- Plateless printing equipment operators (94150)
- Printing press operators (73401)
- Pulp mill, papermaking and finishing machine operators (94121)

### *Main duties*

This group performs some or all of the following duties:

- Operate machines which cut, fold, glue or clip paper and cardboard to make boxes, corrugated cartons and other articles
- Operate machines which glue paper to cardboard and cut it into required lengths
- Operate machines which press paper to form drinking cups and other containers
- Operate machines which cut, glue and fold paper to make envelopes or paper bags
- Operate other paper converting machines to form products such as paper tubes, cards, paper towels or diapers
- Clean and lubricate machine and perform other routine machine maintenance
- Set up machines.

### *Employment requirements*

- Completion of secondary school is required by the pulp and paper industry and other large employers.
- Several weeks of on-the-job training are provided.
- Previous experience as a labourer within the same company may be required.

### *Additional information*

- There is some mobility between jobs in this occupational group.

## **94123 Lumber graders and other wood processing inspectors and graders**

Lumber graders and other wood processing inspectors and graders inspect and grade lumber, shingles, veneer, waferboard and similar wood products to identify defects, ensure conformance to company specifications and classify products according to industry standards. They are employed by sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies.

### *Illustrative example(s)*

- grader - wood processing
- grader tallyman/woman - wood processing
- lumber grader
- particleboard grader - wood processing
- plywood grader
- plywood inspector
- veneer grader
- wood measurer

### *Exclusion(s)*

- Forest products technologist (See 22100-Chemical technologists and technicians)
- Log scaler (See 22112-Forestry technologists and technicians)
- Production technologist - sawmill (See 22302-Industrial engineering and manufacturing technologists and technicians)
- Supervisors, forest products processing (92014)



*Main duties*

This group performs some or all of the following duties:

*Lumber graders*

- Examine lumber visually for knots, holes, splits and other defects and sort for further drying, trimming or remanufacturing
- Measure lumber using callipers, gauges and tape measures to ensure specified thickness, length and width
- Classify and sort lumber according to industry standards and stamp lumber to indicate grade, wood type, moisture level and other characteristics
- Tally lumber
- Complete and maintain reports.

*Other wood processing inspectors and graders*

- Inspect plywood panels, veneer sheets, panelboards, shingles and similar wood products visually for knots, holes, splits, straightness and other defects
- Mark defects and sort for repair or reprocessing
- Measure wood products to ensure conformance to specifications using standard measuring instruments
- Grade and label wood products according to quality standards
- Complete and maintain inspection and grading reports.

*Employment requirements*

- Completion of secondary school is usually required.
- On-the-job training and up to two weeks of classroom training are provided for lumber graders.
- Previous experience as a sawmill machine operator, other wood processing operator or as a labourer in wood processing is usually required for graders and inspectors in this unit group.
- Lumber graders require a lumber grader's licence issued by a provincial lumber association.

*Additional information*

- There is some mobility between employers processing similar wood products.

**94124 Woodworking machine operators**

Woodworking machine operators set up, program and operate one or more woodworking machines to fabricate or repair wooden parts for furniture, fixtures or other wood products. They are employed in furniture, fixture and other wood products manufacturing establishments.

*Illustrative example(s)*

- boring machine operator - woodworking
- computer numerically controlled (CNC) band saw operator
- drill operator - woodworking
- drum sander - woodworking
- edge bander operator - woodworking
- glue machine operator - woodworking
- lathe operator - woodworking
- planer operator - woodworking
- rough mill operator - woodworking

- shaper - woodworking
- woodworking machine operator

#### *Exclusion(s)*

- Cabinetmakers (72311)
- Carpenters (72310)
- Woodworking machine operators supervisor - furniture and fixtures manufacturing (See 92022-Supervisors, furniture and fixtures manufacturing)

#### *Main duties*

This group performs some or all of the following duties:

- Set up, program and operate one or more computer numerically controlled (CNC) or manual woodworking machines such as saws, moulders, lathes, routers, planers, edgers, pressing machines, shapers, drills and sanders to fabricate or repair wooden parts for furniture, fixtures and other wood products
- Operate gluing machines to glue pieces of wood together or press and affix wood veneer to wood surfaces
- Operate preset special-purpose woodworking machines to fabricate wood products such as coat hangers, mop handles, clothes pins and other products
- Read and interpret specifications or follow verbal instructions
- May clean and lubricate equipment, and replace parts as necessary.

#### *Employment requirements*

- Some secondary school education is usually required.
- On-the-job training is usually provided.
- Experience as a labourer in the same company may be required.

#### *Additional information*

- Mobility is common among jobs in this unit group.
- Progression to supervisory positions is possible with experience.

### **94129 Other wood processing machine operators**

Other wood processing machine operators operate and tend wood processing equipment and machines to remove bark from logs, produce wood chips, preserve and treat wood, and produce waferboards, particleboards, hardboards, insulation boards, plywood, veneers and similar wood products. They are employed in sawmills, woodrooms of pulp mills, planing mills, wood treatment plants, waferboard plants and other wood processing plants.

#### *Illustrative example(s)*

- barker operator
- chipper operator
- lumber kiln operator
- particleboard line operator
- plywood panel assembler
- timber treating tank operator
- veneer dryer tender

- veneer lathe operator
- waferboard press operator
- wood treater operator

#### *Exclusion(s)*

- Labourers in wood, pulp and paper processing (95103)
- Sawmill machine operators (94120)
- Supervisors, forest products processing (92014)

#### *Main duties*

This group performs some or all of the following duties:

- Operate and tend various wood processing equipment and machines to remove bark, knots and dirt from logs; reduce logs or sawmill waste into wood chips or flakes; stack and band lumber; screen wood chips; and produce waferboards, particleboards, hardboards and insulation boards
- Operate and tend conveyors, lathes, sanding machines and other equipment to peel and slice veneer from logs and log sections, and to glue, press, trim, sand and splice veneer sheets
- Operate and tend kilns, treating tanks and other equipment to dry lumber and other wood products, and to treat chemically and impregnate wood products with preservatives
- Observe equipment, panel indicators, video monitors, and other instruments to detect malfunctions and ensure that processes are operating according to specifications
- Assemble plywood panels and repair plywood and veneer mechanically or manually
- Start up, shut down, set up, adjust and assist in maintaining processing equipment and machines as required
- Complete and maintain production reports.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Several weeks of on-the-job training are provided.
- For lumber kiln operators, particleboard operators and waferboard operators, some combination of college or company courses and up to one year of on-the-job training may be required.
- Previous experience as a labourer in wood processing may be required.

#### *Additional information*

- There is some mobility among jobs in this unit group.
- Progression to other positions in the wood, pulp and paper industries is possible with experience.

### **9413 Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing**

This minor group comprises machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing, including textile fibre and yarn, hide and pelt processing machine operators and workers; weavers, knitters and other fabric making occupations; industrial sewing machine operators; inspectors and graders, textile, fabric, fur and leather products manufacturing. They are employed by textile manufacturing companies; leather tanning, fur dressing and leather and fur dyeing establishments; garment and mattress manufacturing companies; clothing manufacturers and other manufacturers of fabric products; furriers and fur products manufacturers; shoe and other leather products manufacturers; and footwear and other manufacturing establishments.

## 94130 Textile fibre and yarn, hide and pelt processing machine operators and workers

Textile fibre and yarn processing machine operators and workers operate machines to prepare textile fibres; spin, wind or twist yarn or thread; and bleach, dye or finish yarn, thread, cloth or textile products. They are employed by textile manufacturing companies. Hide and pelt processing machine operators and workers trim, scrape, clean, tan, buff and dye animal hides, pelts or skins to produce leather stock and finished furs. They are employed by leather tanning, fur dressing and leather and fur dyeing establishments.

### *Illustrative example(s)*

- autoclave tender - textile manufacturing
- bleaching range operator - textile manufacturing
- calender operator - textile manufacturing
- carding machine operator - textile manufacturing
- dyeing range operator - textile manufacturing
- fabric-printing machine operator
- finishing range operator - textile manufacturing
- leather buffer - hide and pelt processing
- leather stretcher - hide and pelt processing
- tanner - hide and pelt processing
- twisting operator - textile manufacturing
- yarn doubler - textile manufacturing

### *Exclusion(s)*

- Master dyer - textiles (See 22100-Chemical technologists and technicians)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (92015)
- Textile colour technologist (See 22100-Chemical technologists and technicians)

### *Main duties*

This group performs some or all of the following duties:

#### Textile fibre, yarn, hide and pelt processing machine operators

- Operate and feed machines that wash, mix, blend, pick, card, lap, comb or draw fibres, finish yarn, hides or pelts
- Operate spinning, twisting, winding or reeling machines
- Operate a variety of machines to clean, bleach, dye, coat or finish fabric, thread, yarn, hide, pelt and other textile products
- Mix dyes or chemicals according to established formulas
- Operate machinery to print designs onto textile products
- Oversee work area, examine products for defects and ensure adherence to quality standards
- Investigate machine stoppages and notify supervisor or mechanic in the event of equipment malfunction
- May set up machines and assist with maintenance and minor repairs to machinery.

#### Textile, hide and pelt dyeing and finishing machine operators

- Set up machines for proper processing
- Operate machines to bleach, dye, coat and finish fabric, thread, other textile products, hide or pelt
- Operate machines to print designs onto textile products or hide

- Examine products for defects and ensure adherence to quality standards
- Mix dyes and chemicals according to established formulas
- Notify supervisors and mechanics of equipment malfunctions.

#### *Employment requirements*

- Completion of secondary school may be required.
- On-the-job training is provided for several weeks, depending on the complexity of the process and the number of machines operated.

#### *Additional information*

- Progression is possible within the group to operate more complex dye ranges and textile printing equipment.
- Progression to supervisory positions is possible with experience for fibre and yarn preparation machine operators and hide and pelt processing machine operators and workers.
- Progression to supervisory positions in textile processing usually requires completion of a college program in textiles, chemistry or a related subject.
- There is some mobility among jobs in this unit group.

### **94131 Weavers, knitters and other fabric making occupations**

Weavers, knitters and other workers in fabric making occupations operate machines to process yarn or thread into woven, non-woven and knitted products such as cloth, lace, carpets, rope, industrial fabric, hosiery and knitted garments or to quilt and embroider fabric. This unit group also includes workers who perform activities such as reproducing patterns, drawing-in and tying warps and setting up looms. They are employed by textile companies and by garment and mattress manufacturing companies.

#### *Illustrative example(s)*

- carpet weaver
- drawer-in - textiles
- drawing-in machine operator
- embroidery machine operator
- hosiery knitter
- knitter - textiles
- knitting machine operator
- loom operator
- mattress sewing machine operator
- pinning machine operator
- quilting machine operator
- tufting operator
- warp knitting machine tender
- warp tier-in
- weaver - textiles

### *Exclusion(s)*

- Craft weaver (See 53124-Artisans and craftspersons)
- Hand knitter (See 53124-Artisans and craftspersons)
- Industrial sewing machine operators (94132)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (92015)
- Textile machinery mechanic (See 72400-Construction millwrights and industrial mechanics)

### *Main duties*

This group performs some or all of the following duties:

- Set up looms or other processing machines
- Read loom patterns and prepare loom pattern mechanisms for processing
- Operate looms to weave yarn or thread into textile fabrics or products
- Operate machines that produce twine, ropes or nets
- Operate batteries of knitting machines to produce knitted fabric, hosiery, garments or other products
- Operate carpet tufting machines, felt making needle-punch machines and other machines to produce textile products
- Operate large automatic multi-needle machines to embroider material or to sew lengths of several layers of material to make yard goods, quilts or mattress coverings
- Patrol machines and check fabrics or products for defects and to verify efficient operation
- Investigate machine stoppages
- Repair minor mechanical problems such as broken or defective needles
- Notify supervisor or repairers of mechanical malfunctions.

### *Employment requirements*

- On-the-job training is provided for periods up to several months, depending on the complexity of the product, whether equipment set-up and maintenance is done by the operator, and the number of machines operated.
- Previous experience as a labourer in the same company may be required for some operators in this group.

### *Additional information*

- Mobility among employers may be limited by differences in machines and products.
- Progression to textile machinery mechanics and repairers or to supervisory positions is possible with experience and training.

## **94132 Industrial sewing machine operators**

Industrial sewing machine operators operate sewing machines to sew fabric, fur, leather or synthetic materials to produce or repair garments and other articles. They are employed in clothing, footwear, textile products, fur products and other manufacturing establishments and by furriers.

### *Illustrative example(s)*

- fur sewing machine operator
- leather products sewing machine operator
- lining stitcher
- sample sewer

- serging machine operator
- sewing machine operator
- shoe sewer

#### *Exclusion(s)*

- Embroidery machine operator (See 94131-Weavers, knitters and other fabric making occupations)
- Inspectors and graders, textile, fabric, fur and leather products manufacturing (94133)
- Mattress sewing machine operator (See 94131-Weavers, knitters and other fabric making occupations)
- Sewing machine operators supervisor (See 95105-Labourers in textile processing and cutting)

#### *Main duties*

This group performs some or all of the following duties:

- Assemble pieces of garments by matching patterns and dye lots
- Operate single, double or multi-needle serging, flat bed felling, banding and other sewing machines, to join sections of garments or other articles into finished products on a piece-work or production basis
- Operate fur sewing machines to join fur pelt strips to required size and shape and join pelts into garment sections or shells
- Operate stitching machines to sew leather parts together for leather garments, handbags, shoes and other leather articles
- Operate serging machines to sew and overcast edges of material simultaneously
- Operate tackers, pocketsetters, buttonhole makers and fusing, hemmer and other machines to perform various operations in the fabrication of garments and other articles
- Examine garments and operate sewing machines, sergers and other machines to repair garments and other articles during the manufacturing process
- Complete production reports
- May perform minor maintenance and repairs on sewing machine.

#### *Employment requirements*

- Some secondary school education is usually required.
- Experience operating a sewing machine is usually required.
- On-the-job training may be provided.

#### *Additional information*

- Industrial sewing machine operators may progress to supervisory positions with experience.

### **94133 Inspectors and graders, textile, fabric, fur and leather products manufacturing**

Inspectors and graders in textile, fabric, fur and leather products manufacturing inspect and grade textile, fabric, fur and leather products. They are employed by textile companies, leather tanning and fur dressing establishments and garment, fur and leather products manufacturers.

#### *Illustrative example(s)*

- cloth inspector
- colour grader - textiles
- fabric examiner

- fibre inspector - textiles
- fur grader
- fur matcher - fur products manufacturing
- garment inspector
- hide and pelt processing inspector
- leather goods inspector
- leather grader
- quality control inspector - textiles
- shoe inspector
- textile grader
- textile product sampler
- yarn inspector

#### *Exclusion(s)*

- Supervisors, textile, fabric, fur and leather products processing and manufacturing (92015)

#### *Main duties*

This group performs some or all of the following duties:

- Examine natural, synthetic and hybrid textile, fabric, fur and leather garments or products for conformity to quality standards
- Inspect and grade animal hides and pelts according to size, condition and weight
- Verify fit or size of finished garments and products by measuring or comparing products with samples and patterns
- Mark defects, repair minor imperfections, cut excess material using scissors, and remove lint and spots using brushes, lint removers and cleaning solutions
- Grade and sort finished products and tag according to size, style and quality
- Record information on products inspected
- May package products.

#### *Employment requirements*

- Some secondary school education is usually required.
- On-the-job training is provided.
- Work experience in the manufacturing of the products inspected is usually required.

#### *Additional information*

- There is limited mobility among the different inspectors and graders in this unit group.

### **9414 Machine operators and related workers in food, beverage and associated products processing**

This minor group comprises machine operators and related workers in food, beverage and associated products processing, including process control and machine operators, food and beverage processing; industrial butchers and meat cutters, poultry preparers and related workers; fish and seafood plant workers; and testers and graders, food and beverage processing. They are employed by fruit and vegetable processing plants, dairies, flour



mills, bakeries, sugar refineries, meat plants, breweries, leaf tobacco products plants and other food, beverage and associated products processing establishments; meat and poultry slaughtering, processing and packing establishments; and fish and seafood processing plants.

### **94140 Process control and machine operators, food and beverage processing**

Process control and machine operators in food and beverage processing operate multi-function process control machinery and single-function machines to process and package food and beverage products. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, meat plants, breweries, and other food and beverage processing establishments.

#### *Illustrative example(s)*

- bakery machine operator - food and beverage processing
- brewhouse operator
- canning machine operator
- chocolate refiner
- cigarette machine tender
- citrus juice extractor
- control room operator - food and beverage processing
- corn sugar refinery operator
- dry foods mixer operator
- dryer tender - tobacco processing
- fermenter operator
- fruit preserver - food and beverage processing
- fryer operator - food and beverage processing
- grain-processing machine operator
- meat grinder - food and beverage processing
- pasteurizer operator - food and beverage processing
- tobacco blender
- winery-press operator

#### *Exclusion(s)*

- Bakers (63202)
- Fish and seafood plant workers (94142)
- Industrial butchers and meat cutters, poultry preparers and related workers (94141)
- Labourers in fish and seafood processing (95107)
- Labourers in food and beverage processing (95106)
- Meat cutters and fishmongers - retail and wholesale (65202)
- Supervisors, food and beverage processing (92012)
- Testers and graders, food and beverage processing (94143)

### *Main duties*

This group performs some or all of the following duties:

#### Process control operators

- Operate multi-function process control machinery through control panels, computer terminals or other control systems to grind, extract, mix, blend, cook or otherwise process food products and to bag, box or otherwise package food products
- Operate multi-function process control machinery to grind, extract, mix, blend, distill, ferment or otherwise process alcoholic or non-alcoholic beverages and to bottle, can or otherwise package beverages
- Observe gauges, computer printouts and video monitors to verify specified processing conditions and make adjustments to process variables such as cooking times, ingredient inputs, flow rates and temperature settings
- Maintain shift log of production and other data.

#### Machine operators

- Set up and adjust food or beverage processing and packaging machines
- Operate single-function machines to grind, extract, mix, blend, dry, freeze, cook or otherwise process food or beverage products
- Operate single-function machines to box, can or otherwise package food or beverage products
- Check products to ensure conformance to company standards and clear machine blockages as required
- Record production information such as quantity, weight, size, date and type of products packaged
- Perform corrective machine adjustments, clean machines and immediate work areas.

### *Employment requirements*

- Completion of secondary school may be required.
- On-the-job training is provided.
- Experience as a machine operator in food or beverage processing is usually required for industrial process control operators.
- Experience as a labourer in food or beverage processing may be required for machine operators.

### *Additional information*

- There is little mobility among the various types of process control operators within the food and beverage processing industry.
- Process control operators may progress to supervisory positions in food and beverage processing with experience.
- There is mobility among machine operators within the food and beverage processing industry.
- Machine operators may progress to process control operation or supervisory positions in food and beverage processing with experience.

## **94141 Industrial butchers and meat cutters, poultry preparers and related workers**

Industrial butchers and meat cutters, poultry preparers and related workers prepare meat and poultry for further processing or for packaging for wholesale distribution. They are employed in meat and poultry slaughtering, processing and packing establishments.

### *Illustrative example(s)*

- beef boner

- ham cutter
- industrial butcher
- industrial meat cutter
- meat trimmer
- poultry preparer
- slaughterer

#### *Exclusion(s)*

- Butchers - retail and wholesale (63201)
- Labourers in food and beverage processing (95106)
- Meat grader (See 94143-Testers and graders, food and beverage processing)
- Meat inspector (See 22111-Agricultural and fish products inspectors)
- Meat packing supervisor (See 92012-Supervisors, food and beverage processing)

#### *Main duties*

This group performs some or all of the following duties:

##### Industrial butchers

- Slaughter livestock using stunning devices and knives
- Skin, clean and trim carcasses
- Remove viscera and other inedible parts from carcasses
- Split carcasses into smaller portions to facilitate handling
- May slaughter cattle, calves and sheep as prescribed by religious laws.

##### Industrial meat cutters

- Cut beef, lamb, pork or veal carcasses or sides or quarters of carcasses into primal cuts for further cutting, processing or packaging
- Remove bones from meat
- Cut meat and poultry into specific cuts for institutional, commercial or other wholesale use
- Remove skin, excess fat, bruises or other blemishes from carcasses or meat portions.

##### Poultry preparers

- Slaughter poultry and remove inedible parts
- Remove feathers and singe and wash poultry to prepare for further processing or packaging.

#### *Employment requirements*

- Completion of secondary school may be required.
- For industrial meat cutters, completion of a program in industrial meat cutting or experience as an industrial butcher is required.
- On-the-job training is provided for industrial butchers, meat cutters and poultry preparers.

#### *Additional information*

- Industrial meat cutters may progress to inspecting, testing and grading jobs.
- Progression to supervisory positions is possible with experience.

## 94142 Fish and seafood plant workers

Labourers in fish and seafood processing perform clean-up, packaging, material handling and other elemental activities related to fish and seafood processing. They are employed in fish and seafood processing and packaging plants.

### *Illustrative example(s)*

- fish cake maker
- fish canning machine operator - fish processing
- fish cleaner and cutter - fish processing
- fish cutting machine operator - fish processing
- fish plant worker
- seafood preparer - fish and seafood processing
- shellfish processor
- shellfish shucker
- trimmer - fish processing

### *Exclusion(s)*

- Labourers in fish and seafood processing (95107)
- Supervisors, food and beverage processing (92012)

### *Main duties*

This group performs some or all of the following duties:

#### Fish and seafood plant machine operators

- Set up and operate machines to clean, cut, cook, smoke, brine, dehydrate or otherwise process fish or seafood products
- Set up and operate machines to can, bag, box or otherwise package fish and seafood products
- Check products and packaging for defects and to ensure conformance to company standards and perform corrective machine adjustments as required
- Record production information such as quantity, weight, date and type of products packaged.

#### Fish and seafood plant cutters and cleaners

- Cut, clean and trim fish or seafood prior to marketing or further processing
- Scrape away scales, cut fish, separate fillets and remove scrap parts using knife
- Check fish fillets to determine optimal number and size of fillet sections, cut sections according to specifications and place in container for weighing
- Disjoint and remove meat from lobsters or other crustaceans preparatory to canning or further processing.

### *Employment requirements*

- Some secondary school education may be required.
- On-the-job training is required.

### *Additional information*

- Progression to supervisory positions is possible with experience.

## 94143 Testers and graders, food and beverage processing

Testers and graders in food and beverage processing test or grade ingredients and finished food or beverage products to ensure conformance to company standards. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, fish plants, meat plants, breweries and other food and beverage processing plants.

### *Illustrative example(s)*

- beef grader
- beer tester
- cheese grader
- fish grader
- milk grader
- poultry grader
- product tester - food and beverage processing
- tobacco grader

### *Exclusion(s)*

- Agricultural and fish products inspectors (22111)
- Food processing quality control technician (See 22100-Chemical technologists and technicians)
- Food processing quality control technologist (See 22100-Chemical technologists and technicians)
- Supervisors, food and beverage processing (92012)

### *Main duties*

This group performs some or all of the following duties:

- Take samples of products at various stages of processing
- Examine ingredients or finished products by sight, touch, taste and smell or weigh materials to ensure conformance to company standards
- Conduct routine tests for product specifications such as colour, alcohol content, carbonation, moisture content, temperature, fat content and packaging
- Grade or sort raw materials or finished products
- Ensure hygiene and sanitation practices conform to policies and regulations
- Advise supervisors of ingredient or product deficiencies.

### *Employment requirements*

- Completion of secondary school is usually required.
- Experience as a machine operator or labourer in the food or beverage processing industry may be required.
- On-the-job training is usually provided.

### *Additional information*

- There is little mobility among the various types of testers and graders in this unit group.
- Progression to supervisory positions is possible with experience.

## 9415 Printing equipment operators and related occupations

This minor group comprises printing equipment operators and related occupations, including plateless printing equipment operators; camera, platemaking and other prepress occupations; binding and finishing machine operators; and photographic and film processors. They are employed by rapid printing services, newspaper and magazine publishing companies and commercial printing companies; firms that specialize in colour graphics or platemaking and cylinder preparation and commercial publishing companies; binderies, other publishing companies and establishments in the public and private sectors that have in-house printing, binding and finishing departments; and film processing laboratories and retail photofinishing establishments.

### 94150 Plateless printing equipment operators

Plateless printing equipment operators operate laser printers, computerized high speed colour copiers and other printing machines to print text, illustrations and designs on a wide variety of materials such as paper, plastic, glass, leather, and metal. They are employed in rapid printing services, newspaper and magazine publishing companies, commercial printing companies and in manufacturing and other establishments that have in-house printing facilities.

#### *Illustrative example(s)*

- colour copier operator
- electronic sign maker operator
- embossing-imprinting machine operator
- laser printer operator
- printing machine operator - printing
- quick print machine operator
- silk-screen printing machine operator
- wallpaper printer

#### *Exclusion(s)*

- Printing press operators (73401)
- Supervisors, printing and related occupations (72022)
- Textile printer (See 94130-Textile fibre and yarn, hide and pelt processing machine operators and workers)

#### *Main duties*

This group performs some or all of the following duties:

- Review work order to determine job specifications, such as ink colour and quantity required
- Set up and make adjustments to printing machine, such as filling ink or paint reservoirs and loading stock
- Input codes and key in programming data on console keyboard of computerized machines
- Operate and monitor printing machines during print run and make adjustments as required
- Clean machines and replace worn parts.

#### *Employment requirements*

- Completion of secondary school may be required.
- Completion of college or other specialized courses in printing may be required.
- On-the-job training is provided.

## 94151 Camera, platemaking and other prepress occupations

Camera and platemaking workers operate graphic arts cameras and scanners, assemble film and negatives and prepare, engrave and etch printing plates or cylinders for various types of printing presses. They are employed in firms that specialize in colour graphics or platemaking and cylinder preparation, commercial publishing and printing companies, newspapers, magazines, and in various establishments in the public and private sectors that have in-house printing departments.

### *Illustrative example(s)*

- camera operator - graphic arts
- cylinder preparer - printing
- dot etcher - printing
- file preparation operator
- film stripper-assembler
- platemaker - printing
- pre-flight operator - printing
- prepress technician
- printing plate engraver
- proofmaker
- screenmaker
- studio-image-processing system operator

### *Exclusion(s)*

- Desktop publishing (DTP) operator (14112-Desktop publishing operators and related occupations)
- Graphic arts technicians (52111)
- Graphic designers and illustrators (52120)
- Photographic and film processors (94153)
- Supervisors, printing and related occupations (72022)

### *Main duties*

This group performs some or all of the following duties:

Graphic arts camera operators, scanner operators, film strippers and assemblers

- Set up and adjust black and white or colour separation process cameras to convert graphic art and photographs into film for assembly and exposure onto printing plates or cylinders
- Operate computerized scanning machines or digital cameras to make colour separations and corrections from colour copy or transparencies for use in preparing film, digital files, printing plates or cylinders
- Assemble and position, either using automated equipment or by hand, pieces of film containing all parts of a printing job to produce flats or composite negatives for preparing printing plates or cylinders.

Etchers and engravers

- Examine the text, design, or pattern to determine how it will be etched or engraved onto the workpiece
- Prepare surface of workpiece for etching or engraving by cleaning, polishing, treating, and applying additional methods
- Etch or engrave the text, design or pattern onto the workpiece using hand tools, etching machines, photogravure or laser processes.

**Prepress technicians, platemakers, proofmakers, and pre-flight/file-preparation operators**

- Operate various computer-controlled studio systems to perform colour separation, retouching and editing that allow changes to be made to a colour negative for printing purposes, plan page layouts and electronically alter shape, size and positions of illustrations and text
- Prepare and initiate the development of printing plates for the offset process and are responsible for the maintenance of plate flasher type devices (CTP, Computer to plate)
- Operate vacuum frames, plate processors and step and repeat machines to produce printing plates for various types of presses
- Operate computerized equipment to prepare film, laser or dylux proofs for quality control purposes and for customers' review.

**Employment requirements**

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology or a combination of on-the-job training and specialized college, industry or other courses may be required.
- Trade certification for some occupations in this group is available, but voluntary, in Ontario, Alberta, the Northwest Territories and Nunavut.

**94152 Binding and finishing machine operators**

Binding and finishing machine operators set up, operate or oversee the operation of machines, equipment or computerized units that bind and finish printed material. Workers who perform finishing operations in the paper, carton and packaging industries, as well as those who encode and stamp plastic cards, are included in this unit group. They are employed by binderies, commercial printing companies, newspapers, magazines, and other publishing companies, and establishments in both the public and private sectors that have in-house printing, binding and finishing departments.

**Illustrative example(s)**

- binder - printing
- binder and finisher
- bindery operator
- bookbinding machine operator
- Cerlox binder operator
- cutter operator - printing
- finishing machine operator - printing
- foil stamper - printing
- gathering machine set-up operator - printing
- gold leaf stamper
- laminating machine operator
- machine bookbinder
- perforator operator - printing
- stitcher operator - printing

**Exclusion(s)**

- Feeder - printing (See 95109-Other labourers in processing, manufacturing and utilities)
- Hand bookbinder (See 53124-Artisans and craftspersons)



- Offbearer - printing (See 95109-Other labourers in processing, manufacturing and utilities)
- Pocket-folding machine feeder-loader - printing (See 95109-Other labourers in processing, manufacturing and utilities)
- Printing press operators (73401)
- Supervisors, printing and related occupations (72022)

#### *Main duties*

This group performs some or all of the following duties:

- Set up and operate specialized equipment and machines that cut, fold, gather and bind or finish brochures, pamphlets, business forms, magazines, books and other printed material
- Set up and operate specialized equipment and machines that die cut, emboss, imprint, laminate, heat stamp and perform other finishing operations on printed material
- Perform pre-production runs of binding or finishing jobs to verify output and to ensure that product specifications are met
- Operate automatic and semi-automatic equipment and machines to bind or finish print material according to specifications
- Pack, weigh and stack bound and finished products on pallet for shipment
- May repair and rebind damaged or worn books.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Completion of a college program in graphic arts technology or a combination of on-the-job training and specialized college, industry or other courses may be required.

#### *Additional information*

- There is some mobility among various types of binding and finishing machine operator occupations in this group.
- Progression to supervisory positions is possible with experience.

### **94153 Photographic and film processors**

Photographic and film processors process and finish still photographic film and motion picture film. They are employed in film processing laboratories and retail photofinishing establishments.

#### *Illustrative example(s)*

- darkroom technician
- film developer
- film printing machine operator
- film processor
- photofinisher
- photograph developer
- photograph inspector - photographic processing
- photographic processor

*Exclusion(s)*

- Film stripper-assembler (See 94151-Camera, platemaking and other prepress occupations)
- Negative spotter - printing (See 94151-Camera, platemaking and other prepress occupations)
- Photographic and film processing supervisor (See 72022-Supervisors, printing and related occupations)

*Main duties*

This group performs some or all of the following duties:

- Operate equipment to develop negatives and slides, and to print black and white and colour photographs
- Operate photographic enlarging equipment to produce prints and enlargements from negatives
- Operate equipment to develop motion picture film
- Tend automatic equipment in retail establishments to develop colour negatives, prints and slides
- Operate equipment to transfer film to video tape
- Retouch photographic negatives or original prints to correct defects
- Splice film and mount film on reels
- Measure and mix chemicals required for processing
- Inspect rolls of photographic prints for conformance to specifications; or motion picture film to detect defects in developing and printing.

*Employment requirements*

- Completion of secondary school is usually required.
- For employment in film processing laboratories, completion of a college or other specialized photography program or extensive related experience is required.
- For employment as a film printing machine operator in retail outlets, on-the-job training is provided.

*Additional information*

- There is mobility among occupations within laboratory processing operations.
- Progression is possible from automatic machine tenders in retail establishments to laboratory processing occupations.

**942 Assemblers and inspectors in manufacturing**

This sub-major group comprises assemblers and inspectors in manufacturing, including mechanical, electrical and electronics assemblers and inspectors, and furniture, wood, plastic and other products assemblers, finishers and inspectors.

**9420 Mechanical, electrical and electronics assemblers and inspectors**

This minor group comprises mechanical, electrical and electronics assemblers and inspectors, including motor vehicle assemblers, inspectors and testers; electronics assemblers, fabricators, inspectors and testers; assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing; assemblers, fabricators and inspectors, industrial electrical motors and transformers; mechanical assemblers and inspectors; and machine operators and inspectors, electrical apparatus manufacturing. They are employed by plants which manufacture automobiles, vans and light trucks; electronics manufacturing plants; electrical appliance and electrical equipment manufacturing companies; manufacturers of industrial electric motors, transformers, control equipment, railway locomotives, transit vehicles and other heavy electrical equipment; machinery and transportation equipment manufacturers; and by other manufacturing companies.

## 94200 Motor vehicle assemblers, inspectors and testers

Motor vehicle assemblers assemble and install prefabricated motor vehicle parts and components to form subassemblies and finished motor vehicles. Motor vehicle inspectors and testers inspect and test parts, subassemblies, accessories and finished products to ensure proper performance and conformity to quality standards. They are employed in plants which manufacture automobiles, vans and light trucks.

### *Illustrative example(s)*

- assembly inspector - motor vehicle manufacturing
- auto assembly worker
- body assembler - motor vehicle manufacturing
- car assembler
- chassis inspector - motor vehicle manufacturing
- door fitter
- motor vehicle assembler
- sport utility vehicle (SUV) assembler
- test driver - automobile assembly
- transmission installer
- van assembler

### *Exclusion(s)*

- Automobile assembly painter (See 94213-Industrial painters, coaters and metal finishing process operators)
- Automotive mechanical repairer (See 72410-Automotive service technicians, truck and bus mechanics and mechanical repairers)
- Mechanical assemblers and inspectors (94204)
- Supervisors, motor vehicle assembling (92020)
- Vehicle cleaner-coater (See 94213-Industrial painters, coaters and metal finishing process operators)

### *Main duties*

This group performs some or all of the following duties:

#### Motor vehicle assemblers

- Read electrical schematics, blueprints and other technical diagrams
- Bolt, screw, clip, weld, solder or otherwise fasten motor vehicle parts and components together using hand and power tools and equipment
- Operate and tend automated assembling equipment such as robotic and fixed automation equipment
- Connect cables, tubes and wires to complete assemblies and installations
- Position and install parts, subassemblies and accessories such as engines, transmissions, door panels or instrument panels using hand and power tools and other aids such as overhead hoists
- Fit and adjust parts such as doors, hoods and trunk lids.

#### Motor vehicle inspectors and testers

- Check motor vehicle exterior priming and colour coats, sealers and glazers, and mark, record and report defects to be repaired
- Test motor vehicle electrical assemblies, equipment and wiring for proper performance using testing devices such as meters, analyzers and timing lights

- Inspect auto parts and fully assembled motor vehicles for defects to ensure that the defects have been corrected
- Drive and test motor vehicles on roll testing device to ensure that transmission, axle, engine and brakes function properly.

#### *Employment requirements*

- Completion of secondary school is usually required.
- Skills required for occupations in this unit group are normally acquired through on-the-job training.

#### *Additional information*

- Mobility is possible to jobs in the same production department.
- Progression to supervisory positions is possible with experience.

### **94201 Electronics assemblers, fabricators, inspectors and testers**

Electronics assemblers and fabricators assemble and fabricate electronic equipment, parts and components. Electronics inspectors and testers inspect and test electronic and electromechanical assemblies, subassemblies, parts and components to ensure conformance to prescribed standards. They are employed in electronics manufacturing plants.

#### *Illustrative example(s)*

- capacitor assembler
- circuit board assembler
- component inserting machine operator
- crystal final tester
- electronic components tester
- electronics assembler
- electronics inspector - electronic equipment manufacturing
- finished product inspector - electronic equipment manufacturing
- precision instrument assembler - electronic equipment manufacturing
- printed circuit board (PCB) assembly inspector
- surface mount assembler
- through-hole assembler
- wafer fabrication operator
- wave soldering machine operator
- wiring and assembly operator

#### *Exclusion(s)*

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (94202)
- Electrical and electronics engineering technologists and technicians (22310)
- Electronic service technicians (household and business equipment) (22311)
- Supervisors, electronics and electrical products manufacturing (92021)

*Main duties*

This group performs some or all of the following duties:

**Electronics assemblers and fabricators**

- Solder and manually assemble various electronic components such as resistors, diodes, transistors, capacitors, integrated circuits, switches, wires and other electronic parts to designated locations on printed circuit boards
- Assemble microcircuits requiring fine hand assembly, the use of microscopes and adherence to cleanroom procedures
- Install, mount, fasten, align and adjust parts, components, wiring and harnesses to subassemblies and assemblies using hand and small power tools
- Operate automatic and semi-automatic machines to position, solder and clean prescribed components on printed circuit boards
- Operate and monitor process equipment including automatic and semi-automatic machines to fabricate electronic components, solder, clean, seal and stamp components and perform other process operations as specified
- Set up process equipment and adhere to cleanroom procedures as required
- May replace defective components and repair and overhaul older devices.

**Electronics inspectors and testers**

- Inspect electronic components and assemblies to ensure correct component selection and placement, wiring and soldering quality, proper pin insertions, location and diameter of plated holes, breaks in circuitry and line spacing in printed circuit board and other specified requirements while products are being assembled or fabricated
- Check final assembly for finish, labelling and packaging methods
- Check mechanical dimensions and perform “go-no-go” electrical tests
- Identify and mark acceptable and defective assemblies and return faulty assemblies to production for repair
- Collect, record and summarize inspection results
- Investigate equipment malfunction and instruct on proper operation
- Operate various test equipment and tools to perform simple electrical and continuity testing of electronic components, parts and systems
- Set up and operate automatic testing equipment to locate circuit and wiring faults, shorts and component defects
- Compare test results to specifications and set parts or products aside for repair or replace components or parts as indicated by test equipment
- Maintain test result reports
- May conduct life tests (burn-ins) on components, subassemblies and assemblies.

*Employment requirements*

- Completion of secondary school is usually required for electronics assemblers, fabricators, inspectors and testers.
- On-the-job training is usually provided for occupations in this unit group.
- A two-year apprenticeship program and trade certification for electronics assemblers are available but voluntary in Saskatchewan.

- Electronics testers may require post-secondary courses in basic electronic theory, testing techniques and testing equipment.
- Electronics inspectors and testers may require experience as an electronics assembler or component fabricator.

#### *Additional information*

- Progression from electronics assembler or component fabricator to electronics inspector or tester is possible with additional training and experience.

### **94202 Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing**

Assemblers in electrical appliance, apparatus and equipment manufacturing assemble prefabricated parts to produce household, commercial and industrial appliances and equipment. Inspectors inspect and test the assembled products. This unit group also includes workers who set up and prepare assembly lines for operation. They are employed by electrical appliance and electrical equipment manufacturing companies.

#### *Illustrative example(s)*

- circuit breaker assembler
- coffee maker assembler
- dishwasher assembler
- electric clothes dryer assembler
- electric lawn mower assembler
- electric refrigerator assembler
- electrical appliance assembler
- electrical appliance assembly inspector
- electrical control assembly inspector
- electrical equipment production assembler
- hair dryer assembler

#### *Exclusion(s)*

- Appliance servicers and repairers (72421)
- Assemblers, fabricators and inspectors, industrial electrical motors and transformers (94203)
- Electrical mechanics (72422)
- Electronics assemblers, fabricators, inspectors and testers (94201)
- Machine operators and inspectors, electrical apparatus manufacturing (94205)
- Supervisors, electronics and electrical products manufacturing (92021)

#### *Main duties*

This group performs some or all of the following duties:

##### Assemblers

- Assemble prefabricated parts on an assembly line, or at work benches using screw guns and other hand and power tools
- Assemble small and large household electrical appliances such as coffeemakers, toasters, vacuum cleaners, lawn mowers, refrigerators and dishwashers

- Assemble small transformers, small electrical motors and transmissions used in appliances or other electrical products
- Assemble circuit breakers, switches or other electrical control equipment and position and fasten components such as springs, toggles or other parts into assembly casings
- Wind coils and armatures for small electric motors and transformers
- Perform minor repairs to products rejected from production assembly line
- Set up assembly line with materials and supplies required for production, and set up and adjust production tools.

#### Inspectors and testers

- Check products at different stages of production for visual defects and faulty electrical and mechanical connections, or operate automatic or other testing equipment to ensure product quality
- Identify and mark acceptable and defective assemblies and return faulty assemblies to production for repair
- Collect, record and summarize inspection results.

#### *Employment requirements*

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Inspectors may require experience as an assembler in the same company.
- Some types of inspectors may require completion of a college program in electronics.

#### *Additional information*

- With experience assemblers may progress to inspecting and testing positions.
- Progression to supervisory positions is possible with experience.

### **94203 Assemblers, fabricators and inspectors, industrial electrical motors and transformers**

Assemblers, fabricators and inspectors of industrial electrical motors and transformers assemble, fabricate, fit, wire and inspect heavy-duty industrial electrical equipment. They are employed by manufacturers of industrial electric motors, transformers, control equipment, railway locomotives, transit vehicles and other heavy electrical equipment.

#### *Illustrative example(s)*

- alternating current (AC) and direct current (DC) motor inspector and tester
- alternating current (AC) and direct current (DC) motors fitter-assembler
- control panel assembler
- electrical control panel inspector
- electrical fitter
- electrical switchgear panel wirer
- motor and generator assembler and wirer
- panelboard assembler - industrial electrical equipment
- power transformer assembler
- switchgear and control panel assembler - industrial electrical equipment
- switchgear fitter-wirer
- transformer coil winder

- transformer inspector
- transformer winder

#### *Exclusion(s)*

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (94202)
- Electrical and electronics engineering technologists and technicians (22310)
- Electrical mechanics (72422)
- Supervisors, electronics and electrical products manufacturing (92021)

#### *Main duties*

This group performs some or all of the following duties:

##### Assemblers

- Assemble and fit metal and other prefabricated parts to close tolerances according to blueprints to build heavy-duty electric motors or transformers
- Assemble stators or armatures for heavy-duty electric motors; compress steel laminations to build transformer cores; assemble windings into core using overhead cranes and make electrical connections using crimping, brazing and soldering equipment
- Assemble and fit electrical motor or transformer auxiliary equipment such as bushings, tap changes, conduit boxes, heating devices, protective equipment and cooling equipment
- Set up and adjust production machinery and equipment, such as coil winding machines, for the manufacture of heavy-duty electrical equipment
- May perform basic tests on electric motors.

##### Electrical fitters and wirers

- Interpret engineering drawings, electrical schematics and blueprints
- Fit motor starters, contactors, capacitors, circuit breakers, voltage regulators, printed circuit boards or other electrical control devices into switchboards and panelboards to produce automated processing control equipment, electrical distribution panels, or other industrial electrical control equipment
- Wire electrical connections for switchboards and panelboards
- Assemble panelboard and switchboard cabinets and install bus bars used to carry heavy electrical current
- May operate metal fabricating equipment to fabricate or modify bus bars.

##### Inspectors

- Monitor production and troubleshoot production problems
- Check final assembly of electric motors, transformers or control equipment for adherence to quality control standards
- Collect, record and summarize inspection results.

#### *Employment requirements*

- Completion of secondary school is usually required.
- College courses in electricity or electro-technology may be required.
- Several years of on-the-job training are usually provided.
- Set-up persons, inspectors and leadhands in this unit group may require experience as an assembler, fitter or wirer in the same company.



*Additional information*

- Progression to supervisory positions is possible with experience.

**94204 Mechanical assemblers and inspectors**

Mechanical assemblers assemble a wide variety of mechanical products such as trucks, buses, snowmobiles, garden tractors, automotive engines, transmissions, outboard motors, gearboxes, hydraulic pumps and sewing machines. Inspectors check and inspect subassemblies and finished products to ensure proper quality and product specifications. They are employed by machinery and transportation equipment manufacturers and by other manufacturing companies.

*Illustrative example(s)*

- automotive engine assembler
- garden machinery assembler
- gearbox assembler
- gearcase assembler
- hydraulic hoist assembler
- mechanical assembler
- sewing machine assembler
- snowmobile assembler
- tractor assembler
- transmission assembler
- truck assembler
- truck assembly inspector
- truck trailer assembler
- vending machine assembler

*Exclusion(s)*

- Aircraft assemblers and aircraft assembly inspectors (93200)
- Machine fitters (72405)
- Motor vehicle assemblers, inspectors and testers (94200)
- Supervisors, other mechanical and metal products manufacturing (92023)

*Main duties*

This group performs some or all of the following duties:

**Mechanical assemblers**

- Assemble, fit and install prefabricated parts to form subassemblies or finish products using hand and power tools
- Position, align and adjust parts for proper fit and assembly and connect cables, tubes and wires
- Fasten parts together using bolting and riveting equipment or other fastening and joining techniques
- Operate or tend automated assembling equipment, such as robotics and fixed automation equipment
- Operate small cranes to transport or position larger parts as required.

### Mechanical inspectors

- Check subassemblies and inspect finished products for proper quality
- Check mechanical assemblies and subassemblies for alignment and proper functioning
- Test and check electrical assemblies and wiring for proper connections
- Perform minor adjustments and repairs.

### *Employment requirements*

- Some secondary school education is required.
- Up to two years of on-the-job training are provided.
- Experience as a mechanical assembler may be required for inspectors in this unit group.

### *Additional information*

- There is little or no mobility among the various assemblers and inspectors in this unit group.
- Progression to supervisory positions is possible with experience.

## **94205 Machine operators and inspectors, electrical apparatus manufacturing**

Machine operators and inspectors in electrical apparatus manufacturing operate machinery or equipment to fabricate complete products or parts for use in the assembly of electrical appliances and equipment, and electrical apparatus, such as batteries, fuses and plugs. Inspectors in this unit group inspect and test completed parts and production items. Workers in this unit group are employed by electrical appliance and electrical equipment manufacturing companies.

### *Illustrative example(s)*

- assembly machine setter - electrical equipment manufacturing
- dry cell charge machine operator
- electrical dry battery inspector
- electrical light bulb inspector
- epoxy coating machine operator
- machine operator - electrical equipment manufacturing
- machine set-up operator - electrical appliance manufacturing
- production line battery repairer - electrical equipment manufacturing

### *Exclusion(s)*

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (94202)
- Supervisors, electronics and electrical products manufacturing (92021)

### *Main duties*

This group performs some or all of the following duties:

#### Machine operators in electrical apparatus manufacturing

- Operate machinery to assemble, test or package dry cell batteries
- Position lead acid storage batteries on assembly line and insert battery contents into casing
- Operate machinery, such as pasting and stacking machines, to fabricate plates for lead acid storage batteries

- Load machinery with glass tubes, bulbs and other parts used to produce incandescent, fluorescent and other types of light bulbs and tubes, and remove and pack finished product
- Operate or feed machinery and equipment to produce electrical wiring devices such as fuses, plugs, caps, sockets, connectors and switches
- Operate equipment to apply protective coatings to items such as freezer cabinets, small electric motors or transformer assemblies
- Perform minor repairs to items rejected from production line
- Set up and adjust production machinery and equipment for operation.

#### Inspectors and testers in electrical apparatus manufacturing

- Check in-process and completed production items for visual or mechanical defects or operate testing equipment to maintain quality of products
- Identify and mark acceptable and defective assemblies and return faulty assemblies to production for repair
- Collect, record and summarize inspection results.

#### *Employment requirements*

- Some secondary school education is usually required.
- On-the-job training is provided.
- Inspectors may require experience as an assembler in the same company.

#### *Additional information*

- With experience, machine operators may progress to inspecting and testing positions.
- Progression to supervisory positions is possible with experience.

## **9421 Furniture, wood, plastic and other products assemblers, finishers and inspectors**

This minor group comprises furniture, wood, plastic and other products assemblers, finishers and inspectors, including furniture and fixture assemblers, finishers, refinishers and inspectors; assemblers and inspectors of other wood products; plastic products assemblers, finishers and inspectors; industrial painters, coaters and metal finishing process operators; and other products assemblers, finishers and inspectors. They are employed by furniture manufacturing companies; establishments engaged in manufacturing a variety of wood and millwork products; retail furniture stores and furniture refinishing and repair shops; plastic products manufacturing companies and plastic parts divisions of aircraft and other manufacturing companies; custom refinishing, coating and plating shops; and a wide variety of manufacturing companies; or they may be self-employed.

### **94210 Furniture and fixture assemblers, finishers, refinishers and inspectors**

Furniture and fixture assemblers assemble parts to form subassemblies or complete articles of furniture and fixtures. Furniture finishers finish new wood or metal furniture to specified colour and finish. Furniture refinishers refinish repaired, used or old furniture. Inspectors inspect furniture and fixture subassemblies and finished products to ensure product quality. They are employed by furniture manufacturing companies, manufacturing plants, retail furniture stores, refinishing and repair shops, or may be self-employed.

#### *Illustrative example(s)*

- assembly inspector - furniture manufacturing
- chair assembler
- desk assembler
- fixture assembler

- furniture assembler
- furniture finisher
- furniture inspector
- furniture polisher - furniture finishing
- furniture refinisher
- furniture stainer
- furniture stripper
- metal furniture assembler
- table assembler
- touch-up person - furniture finishing
- trimmer - furniture finishing
- wash-off operator - furniture finishing
- wood finisher - furniture finishing and refinishing
- wood furniture assembler

*Exclusion(s)*

- Assemblers and inspectors of other wood products (94211)
- Supervisors, furniture and fixtures manufacturing (92022)
- Upholsterers (63221)
- Woodworking machine operators (94124)

*Main duties*

This group performs some or all of the following duties:

Furniture and fixture assemblers

- Prepare, sand and trim wooden furniture and fixture parts using hand and power tools
- Assemble wooden or metal furniture and fixture parts to form subassemblies and complete articles using hand and power tools
- Assemble a combination of parts made of wood, metal, plastic, cane or other materials to form subassemblies or complete furniture articles
- Reinforce assembled furniture and fixtures with dowels or other supports
- Install hardware such as hinges or clasps on furniture and fixtures.

Furniture finishers

- Set up and operate finishing machines or finish furniture by hand
- Stain or finish wood to specified colour with stains, paints or other materials using brush or spray gun
- Apply toners, highlights, glazes or shaders to obtain desired finish
- Apply lacquer or other sealers
- Decorate wood surfaces or mark surfaces to create antique or other effects using hand and power tools
- Clean and polish furniture
- Sand metal furniture to prepare for finish and spray with paint or other materials.

### Furniture refinishers

- Strip old finish from wood surfaces using steel wool, sandpaper and solvents
- Smooth gouges with wood filler and sand wood
- Match colours to obtain original finish and apply appropriate finish to stripped wood
- Polish and wax refinished surfaces
- Sand or grind metal surfaces to prepare for coating, and paint metal surfaces using electrostatic method, spray gun or other painting equipment
- Make minor repairs to furniture
- May perform duties of furniture finisher.

### Furniture and fixture inspectors

- Inspect furniture and fixture subassemblies and finished products for conformance to quality standards
- Mark defective parts or products for repair
- Make minor adjustments and repairs
- Record information on products inspected.

### *Employment requirements*

- Secondary school education is usually required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required for furniture and fixtures assemblers and inspectors.
- College, high school or industry courses in furniture finishing or refinishing may be required.

### *Additional information*

- Mobility is possible between jobs in this unit group.
- Progression to supervisory positions is possible with experience.

## **94211 Assemblers and inspectors of other wood products**

Assemblers of other wood products assemble a variety of wood products and millwork, such as window sashes and doors. Inspectors inspect wood products to ensure product quality. They are employed by establishments engaged in manufacturing a variety of wood and millwork products.

### *Illustrative example(s)*

- manufactured housing production worker
- millwork assembler
- prefabricated housing assembler
- sash and door inspector
- wood products assembler
- wood products assembling inspector
- wood products bench assembler
- wooden box assembler
- wooden crate builder

- wooden door maker
- wooden pallet maker

*Exclusion(s)*

- Cabinetmakers (72311)
- Carpenters (72310)
- Furniture and fixture assemblers, finishers, refinishers and inspectors (94210)
- Supervisors, other products manufacturing and assembly (92024)
- Woodworking machine operators (94124)

*Main duties*

This group performs some or all of the following duties:

Other wood products assemblers

- Read production orders and diagrams
- Trim and sand joints, moulding, or other wooden parts to be assembled using hand and power tools
- Assemble wood products such as window sashes, doors, boxes, pallets, ladders and barrels using glue, staples, screws, bolts or other fasteners
- Assemble door panels, trusses, modular components and other parts on assembly line to make prefabricated housing using jigs, overhead cranes and hand and power tools
- Reinforce assembled products with dowelling or other supports, and install hardware such as knobs and hinges
- May assist with maintenance of machinery.

Other wood products inspectors

- Inspect wood products for conformance to quality standards
- Mark defective parts or products for repair
- Make minor adjustments and repairs
- Record information on products inspected.

*Employment requirements*

- Secondary school education is usually required.
- Experience as a labourer in the same company may be required.
- Inspectors may require related assembly experience.
- On-the-job training is provided.

**94212 Plastic products assemblers, finishers and inspectors**

Plastic products assemblers, finishers and inspectors assemble, finish and inspect plastic parts and finished products. They are employed by plastic products manufacturing companies and plastic parts divisions of aircraft or other manufacturing companies.

*Illustrative example(s)*

- fibreglass laminator
- plastic bottle trimmer
- plastic parts assembler

- plastic products fabricator
- plastic products inspector and tester
- plastic tank assembler
- plastics assembler
- plastics inspector
- plastics trimmer
- skylight assembler - plastic products manufacturing

#### *Exclusion(s)*

- Labourers in rubber and plastic products manufacturing (95104)
- Plastics processing machine operators (94111)
- Rubber processing machine operators and related workers (94112)
- Supervisors, plastic and rubber products manufacturing (92013)

#### *Main duties*

This group performs some or all of the following duties:

##### Plastic products assemblers and finishers

- Operate machines or equipment, or use hand tools to cut, shape, splice and fit plastic materials to form parts and assemblies
- Assemble composite materials on patterns to form parts and assemblies using bonding agents
- Operate spray-gun unit to apply resin mixtures to metal or wooden mould to form plastic products
- Load and operate autoclave oven to cure and bond plastic and composite parts and subassemblies
- Operate finishing equipment to trim, grind or buff plastic products into final form.

##### Plastic products inspectors

- Inspect manufactured plastic products for defects and conformance to specifications and quality standards, visually or using instruments
- Affix seals or tags to approved plastic products and mark and reroute defective products for repair or recycle
- Prepare reports on products inspected
- Make minor adjustments and repairs to products
- May train or assist in training new workers.

#### *Employment requirements*

- Secondary school education is usually required.
- Experience as a labourer in the same company may be required for assemblers, finishers and inspectors.
- On-the-job training is provided.

#### *Additional information*

- Mobility among the various workers in this unit group is possible.
- Progression to supervisory positions is possible with experience.

## 94213 Industrial painters, coaters and metal finishing process operators

Industrial painters and coaters operate and tend machines or use brushes and spray equipment to apply paint, enamel, lacquer or other non-metallic protective and decorative coatings to surfaces of various products. Metal finishing process operators operate machines or equipment to deposit metallized substances on workpieces and surfaces to provide decorative, protective and restorative coatings. These workers are employed by manufacturing companies and custom refinishing, coating and plating shops.

### *Illustrative example(s)*

- assembly line painter
- automatic paint-sprayer operator
- automobile painter - motor vehicle manufacturing
- aviation painter
- ceramic and enamel refinisher
- coating machine operator - industrial painting and coating
- electrogalvanizing machine operator
- enameller - ship and boat building
- hot-dip galvanizer - metal plating
- industrial products painter
- metal coater operator
- metal electroplater
- production painter-finisher
- spray paint operator

### *Exclusion(s)*

- Auto body collision, refinishing and glass technicians and damage repair estimators (72411)
- Furniture and fixture assemblers, finishers, refinishers and inspectors (94210)
- Machining tool operators (94106)
- Painters and decorators (except interior decorators) (73112)
- Supervisors, motor vehicle assembling (92020)
- Supervisors, other mechanical and metal products manufacturing (92023)
- Supervisors, plastic and rubber products manufacturing (92013)

### *Main duties*

This group performs some or all of the following duties:

#### Industrial painters and coaters

- Select appropriate paint or mix paints using automated paint mixing equipment according to a predetermined formula
- Operate or tend equipment to clean, wash, strip, sand, remove corrosion, fill dents or otherwise prepare items for application of paint, lacquer or other protective or decorative coatings
- Operate or tend automated spray paint, dip or flow coating equipment or other mechanized painting or product coating application equipment
- Operate hand-held spray guns to spray paint or coat stationary items or items on moving conveyor system with protective or decorative coatings
- Paint small items and apply touch-ups using paint brushes



- Clean and maintain painting and coating, ventilation, compressed air and personal protective equipment
- May prepare and apply stencils, computer-generated decals or other decorative items on finished products.

#### Industrial metal finishing process operators

- Prepare and mix metallizing solutions according to formulas or specifications
- Operate or tend equipment to clean, degrease, pickle and etch metal and non-metal surfaces to prepare workpieces with desired surface characteristics
- Tend automatic metal coating machines which convey objects through a series of cleaning, rinsing and plating solutions
- Operate and control electroplating equipment to coat metal and other workpieces
- Operate hot-dip metal plating equipment to galvanize metal and other workpieces
- Operate spray equipment to build up worn or damaged parts or to bond protective or decorative coatings on various objects
- Check proper thickness of plating using micrometers, calipers or other devices
- May operate equipment to polish metallic surfaces of products
- May tend ovens which cure metal coating.

#### *Employment requirements*

- Secondary school education is usually required.
- Some experience in operating production machinery or equipment may be required.
- Several months of on-the-job training are usually provided.
- Some industrial painters, such as aviation painters, may require specialized training and certification or college courses.

#### *Additional information*

- Progression to supervisory positions is possible with experience.

### **94219 Other products assemblers, finishers and inspectors**

Other products assemblers, finishers and inspectors assemble, finish and inspect components or products of various materials, such as jewellery, silverware, buttons, pencils, non-prescription lenses, brushes, clocks and watches, musical instruments, sporting goods, toys, boats and other miscellaneous products. They are employed by a wide variety of manufacturing companies.

#### *Illustrative example(s)*

- aluminum boat assembler
- antenna assembler
- bicycle assembler
- boat assembler
- boat inspector
- brush making machine operator
- button machine operator
- camera assembly inspector
- canoe assembler
- crayon making machine tender

- eyeglass frame assembler
- fibreglass boat assembler
- golf club assembler
- jewellery annealer
- jewellery inspector
- lampshade assembler
- motorboat assembler
- piano assembly inspector
- prism maker operator
- sailboat assembler
- skate press operator
- sports ball moulder
- stuffing machine tender
- tennis ball maker operator
- toy inspector
- Venetian blind assembler
- watch assembler

*Exclusion(s)*

- Boat assembly helper (See 95109-Other labourers in processing, manufacturing and utilities)
- Boat assembly labourer (See 95109-Other labourers in processing, manufacturing and utilities)
- Canoe builder - arts and crafts (See 53124-Artisans and craftspersons)
- Marine repair technician (See 72423-Motorcycle, all-terrain vehicle and other related mechanics)
- Metal shipwright (See 72104-Structural metal and platework fabricators and fitters)
- Shipbuilding fitter (See 72104-Structural metal and platework fabricators and fitters)
- Supervisors, other products manufacturing and assembly (92024)
- Wood shipwright (See 72310-Carpenters)
- Wooden boatbuilder (See 72310-Carpenters)

*Main duties*

This group performs some or all of the following duties:

Assemblers and finishers

- Operate machines, use hand tools or power tools to cut, shape and fit materials to form parts and to fabricate components or products
- Load supplies into hoppers of dispensing units or manually align, feed or otherwise place materials into machines
- Screw, clip, glue, bond, weld or otherwise assemble parts and components to form final products
- Sand, trim, grind or clean products into final form using hand tools
- Clean work stations and remove scraps, dust, shavings or other by-products from machinery and surrounding areas
- May make routine changes of dies, nozzles or other machinery attachments as required

- May caulk decks and hulls using caulking gun, and install trims, rudders, seats, engine mounts and other accessories using hand tools
- May repair boats.

#### Inspectors

- Check manufactured items for defects and for conformance to specifications and quality standards, visually or using sample models and instruments
- Affix seals or tags to approved items and return defective products for repair or recycle
- Complete reports and record information on product inspection
- May make minor adjustments and repairs.

#### *Employment requirements*

- Secondary school education is usually required.
- Experience as a helper or labourer in the same company may be required.
- Experience as an assembler may be required for inspectors.
- On-the-job training is provided.
- Completion of college or other courses in boat building may be required.

#### *Additional information*

- There is little or no mobility among the various assemblers and inspectors in this unit group.
- Progression to supervisory positions is possible with experience.

## **95 Labourers in processing, manufacturing and utilities**

This major group comprises labourers in processing, manufacturing and utilities. These occupations come with Training, Education, Experience and Responsibility (TEER) identified as TEER 5. Occupations classified in TEER 5, as those included in this group with a 5 as the second digit of their code, are typically accessible with short work demonstration and no formal educational requirements.

### **951 Labourers in processing, manufacturing and utilities**

This sub-major group comprises labourers in processing, manufacturing and utilities, including labourers in mineral and metal processing; labourers in metal fabrication; labourers in chemical products processing and utilities; labourers in wood, pulp and paper processing; labourers in rubber and plastic products manufacturing; labourers in textile processing and cutting; labourers in food and beverage processing; labourers in fish and seafood processing; and other labourers in processing, manufacturing and utilities.

#### **9510 Labourers in processing, manufacturing and utilities**

This minor group comprises labourers in processing, manufacturing and utilities, including labourers in mineral and metal processing; labourers in metal fabrication; labourers in chemical products processing and utilities; labourers in wood, pulp and paper processing; labourers in rubber and plastic products manufacturing; labourers in textile processing and cutting; labourers in food and beverage processing; labourers in fish and seafood processing; and other labourers in processing, manufacturing and utilities. They are employed by mineral ore and metal processing plants, cement processing plants, clay, glass and stone processing plants and foundries; structural steel, boiler and platework fabrication plants, heavy machinery manufacturing plants, sheet metal fabrication shops, shipbuilding and other metal products manufacturing companies; petroleum and natural gas processing, pipeline and petrochemical, chemical and pharmaceutical companies; electrical, water and waste treatment utilities and services; pulp and paper, and paper converting companies, sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies; rubber and plastic

products manufacturing companies; textile manufacturing companies; fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, meat plants, breweries and other food, beverage and associated products processing and packaging plants; fish and seafood processing and packaging plants; companies that manufacture other products; and printing and packaging companies.

## **95100 Labourers in mineral and metal processing**

Labourers in mineral and metal processing perform material handling, clean-up, packaging and other elemental activities related to mineral ore and metal processing. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries, cement processing plants, clay, glass and stone processing plants and foundries.

### *Illustrative example(s)*

- asbestos worker - mineral processing
- brick and tile kiln cleaner
- core shop labourer - foundry
- extrusion helper - primary metal processing
- fibreglass oven charger helper
- furnace loader - primary metal and mineral products processing
- glass packer
- lime kiln operator helper - mineral products processing
- metal pourer helper
- rolling mill worker - primary metal processing
- salt screening labourer
- tailings disposal labourer - primary metal processing

### *Exclusion(s)*

- Labourers in metal fabrication (95101)
- Machine operators and related workers in mineral and metal products processing and manufacturing (9410)
- Supervisors, mineral and metal processing (92010)

### *Main duties*

This group performs some or all of the following duties:

- Transport raw materials, finished products, scrap and recyclable materials throughout plant manually or using forklift or other powered equipment
- Feed conveyors, crushers and other equipment; open valves and start pumps; skim dross from furnaces; sort, stack, bundle and stamp materials; and perform other activities to assist process and machine operators in mineral ore and metal processing
- Clean work areas and equipment
- May assist with minor repairs and maintenance.

### *Employment requirements*

- Completion of secondary school may be required for some positions in this group.

### *Additional information*

- Progression to machine and process operator positions is possible with experience.

## 95101 Labourers in metal fabrication

Labourers in metal fabrication remove excess metal and unwanted materials from metal parts, castings and other metal products and perform other labouring activities. They are employed in structural steel, boiler and platework fabrication plants, heavy machinery manufacturing plants, sheet metal fabrication shops, shipbuilding and other metal products manufacturing companies.

### *Illustrative example(s)*

- blacksmith helper
- buffing machine tender - metal products manufacturing
- grinder-deburrer
- labourer - metal fabrication
- metal cleaner - metal products manufacturing
- metalworking machine helper
- plater helper - metal fabrication
- shipfitter helper
- shotblaster - metal fabrication
- wheelabrator operator - metal products manufacturing

### *Exclusion(s)*

- Labourers in mineral and metal processing (95100)

### *Main duties*

This group performs some or all of the following duties:

- Read and interpret work orders
- Operate metal cleaning equipment such as wheelabrators, deburrers and shotblasters to remove excess welds, rust, scale and other material from surfaces of metal parts, castings and other metal products
- Polish metal products to mirror finish
- Immerse metal products in cleaning solutions
- Assist structural steel and platework fitters, sheet metal workers, metalworking machine operators or other metal workers
- Transport raw materials and finished metal products manually or using hoists or other devices
- Sort metal sheets and parts, scrap metal and other materials
- Clean work areas and equipment
- Load and unload vehicles using hand truck or dolly
- May cut, grind or chip excess metal from metal products using hand tools.

### *Employment requirements*

- Some secondary school education may be required.

### *Additional information*

- There is some mobility among occupations in this unit group.
- Progression to metalworking machine operator positions is possible with experience.

## 95102 Labourers in chemical products processing and utilities

Labourers in chemical products processing and utilities carry out a variety of material handling, cleaning and routine general labouring activities. They are employed by petroleum and natural gas processing, pipeline and petrochemical, chemical and pharmaceutical companies, and by electrical, water and waste treatment utilities and services.

### *Illustrative example(s)*

- coating machine feeder - chemical processing
- filter cleaner - chemical processing
- helper - chemical processing
- labourer - gas utility
- loader - chemical processing
- retort unloader
- still cleaner - chemical processing
- water intake tender
- waterworks labourer

### *Exclusion(s)*

- Central control and process operators, petroleum, gas and chemical processing (93101)
- Chemical plant machine operators (94110)
- Supervisors, petroleum, gas and chemical processing and utilities (92011)
- Utility Maintenance Workers (74204)
- Water and waste treatment plant operators (92101)

### *Main duties*

This group performs some or all of the following duties:

- Feed and unload production machinery and equipment
- Clean chemical processing machines and equipment and production areas
- Move, sort and pile materials and products manually and using powered equipment
- Assist other workers to operate, repair and maintain process equipment, gas distribution, water filtration and waste plant equipment
- Perform general duties such as basic construction, painting and other manual tasks.

### *Employment requirements*

- Completion of secondary school may be required.

### *Additional information*

- Considerable mobility is possible among jobs in this unit group.
- Progression to operator positions in the chemical or utility industry is possible with experience and appropriate qualifications.

## 95103 Labourers in wood, pulp and paper processing

Labourers in wood, pulp and paper processing carry out a variety of general labouring and routine wood processing activities and assist pulp mill and papermaking machine operators. They are employed by pulp and paper, and paper converting companies, sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies.

### *Illustrative example(s)*

- beater operator helper - pulp and paper
- chip bin attendant - wood processing
- conveyor cleaner - pulp and paper
- green wood chainman/woman - wood processing
- grinder feeder - pulp and paper
- labourer - pulp and paper
- labourer - wood processing
- lumber straightener - wood processing
- plywood dryer feeder
- sheeter helper - pulp and paper
- utility man/woman - pulp and paper

### *Exclusion(s)*

- Machine operators and related workers in pulp and paper production and wood processing and manufacturing (9412)
- Supervisors, forest products processing (92014)

### *Main duties*

This group performs some or all of the following duties:

- Feed logs onto conveyor and into hopper of grinding machine and align logs manually, using crowbar, picaroon or other tools and equipment
- Load wood chips, pulpwood, sulphur and other processing materials onto conveyors or processing tanks, remove recyclable paper and pulp from pulp and papermaking machines and transport recyclable paper and pulp to plant processing machines and equipment using forklift or other powered equipment
- Sort, pile and transport lumber, veneer sheets, panelboards and similar wood products during various stages of wood processing, manually or with powered equipment
- Remove scrap lumber and wood chips for reprocessing using forklift or other powered equipment
- Feed conveyors, saws, drying machines and other equipment to process lumber, shingles, veneer, plywood and similar wood products
- Clean wood processing machines and equipment and work areas using shovels, hoses and other tools
- Assist other wood processing workers to operate, maintain and repair various machines and equipment and carry out other wood processing activities.

### *Employment requirements*

- Completion of secondary school is required by the pulp and paper industry and by other large employers.

#### *Additional information*

- There is considerable mobility among jobs within individual establishments.
- Progression to machine or plant operating positions is possible with experience.

### **95104 Labourers in rubber and plastic products manufacturing**

Labourers in rubber and plastic products manufacturing assist machine operators, transport materials and perform other similar tasks. They are employed by rubber and plastic products manufacturing companies.

#### *Illustrative example(s)*

- belt builder helper
- labourer - plastic products manufacturing
- labourer - rubber products manufacturing
- machine offbearer - rubber products manufacturing
- mould cleaner - rubber products manufacturing
- moulded products stripper - rubber and plastic products manufacturing
- roll changer - rubber manufacturing
- spreader operator helper - plastic products manufacturing

#### *Exclusion(s)*

- Plastic products assemblers, finishers and inspectors (94212)
- Plastics processing machine operators (94111)
- Rubber processing machine operators and related workers (94112)
- Supervisors, plastic and rubber products manufacturing (92013)

#### *Main duties*

This group performs some or all of the following duties:

- Assist machine operators or assemblers in performing their duties
- Assist in setting up and dismantling machinery and equipment
- Clean and lubricate machinery and equipment
- Transport materials and tools to and from work areas using hand trucks or other conveyance
- Prepare raw materials for mixing process
- Monitor machines to watch for jammed materials or defective products.

#### *Employment requirements*

- Some secondary school education is usually required.

#### *Additional information*

- Progression to machine operator or assembler positions in rubber and plastic products manufacturing is possible with experience.



## 95105 Labourers in textile processing and cutting

Labourers in textile processing perform a variety of manual duties to assist in processing fibres into yarn or thread, or to assist in weaving, knitting, bleaching, dyeing or finishing textile fabrics or other textile products. Labourers in textile cutting cut fabric, fur, or leather to make parts for garments, linens, shoes and other articles. Labourers in textile processing and cutting are employed by clothing and textile manufacturers and other manufacturers of fabric products such as leather and fur.

### *Illustrative example(s)*

- clothing cutter - clothing manufacturing
- doffer
- dyeing and finishing machine loader
- fabric cutter - fabric products manufacturing
- fur cutter
- glove cutter
- helper - textiles
- leather cutter
- sample cutter
- shoe cutter
- textile machine cleaner
- waste machine feeder
- yarn handler

### *Exclusion(s)*

- Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing (9413)
- Shoe repairers and shoemakers (63220)
- Supervisors, other products manufacturing and assembly (92024)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (92015)
- Tailors, dressmakers, furriers and milliners (64200)
- Upholsterers (63221)

### *Main duties*

This group performs some or all of the following duties:

#### Labourers in textile processing

- Load and off-load machines
- Clean textile machines and work areas
- Push carts, trucks, or cans of fibres from one work area to another
- Assist machine operators and other textile workers as required.

#### Fabric cutters

- Place patterns on top of layers of fabric and cut fabric using electric or manual knives, cutters or computer numerically controlled (CNC) cutting devices
- Adjust cutting technique to type of fabric and style of garment
- May cut fabric samples.

#### Fur cutters

- Cut fur skins in diagonal strips to specified length and shape of pelt using furrier's knives and cutters
- Number pelts to indicate their location on pattern
- May sort or match skins, and may prepare fur samples.

#### Leather cutters

- Select leather and cutting dies for leather goods and shoe parts according to specifications
- Position leather on cutting bed of machine, maximizing usage according to skin grain, skin flaws and skin stretch
- Operate clicker or punch press to stretch leather
- Operate machine to strip and cut leather or cut single leather skins by hand to make leather products
- May cut leather samples.

#### *Employment requirements*

- Some secondary school education may be required.
- Experience as a fabric, fur or leather cutter is required for fabric, fur or leather sample cutters.
- On-the-job training is provided for some occupations in this unit group.

#### *Additional information*

- Progression to machine operator or supervisory positions is possible with experience.
- There is little mobility among the different kinds of cutters in this unit group.

### **95106 Labourers in food and beverage processing**

Labourers in food and beverage processing perform material handling, clean-up, packaging and other elemental activities related to food and beverage processing. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, meat plants, breweries and other food and beverage processing and packaging plants.

#### *Illustrative example(s)*

- bottle-washing machine tender - food and beverage processing
- brewery labourer
- candy packer
- dairy helper - food and beverage processing
- food processing labourer
- frozen food packer
- meat packager
- nut sorter - food and beverage processing
- production helper - food and beverage processing
- tobacco processing labourer

#### *Exclusion(s)*

- Fish and seafood plant workers (94142)
- Labourers in fish and seafood processing (95107)

- Process control and machine operators, food and beverage processing (94140)
- Supervisors, food and beverage processing (92012)
- Testers and graders, food and beverage processing (94143)

#### *Main duties*

This group performs some or all of the following duties:

- Transport raw materials, finished products and packaging materials throughout plant and warehouse manually, or with powered equipment
- Measure and dump ingredients into hoppers of mixing and grinding machines or mobile tank trucks
- Feed and unload food and beverage processing machines
- Feed flattened boxes into forming machines to construct containers
- Remove filled containers from conveyors and manually pack goods into bags, boxes or other containers
- Clean work areas and equipment
- Check products and packaging for basic quality defects
- Assist process control and machine operators in performing their duties.

#### *Employment requirements*

- Some secondary school education may be required.

#### *Additional information*

- There is some mobility among occupations in this unit group.
- Labourers in food and beverage processing may progress to machine or process operating positions with experience.

### **95107 Labourers in fish and seafood processing**

Labourers in fish and seafood processing perform clean-up, packaging, material handling and other elemental activities related to fish and seafood processing. They are employed in fish and seafood processing and packaging plants.

#### *Illustrative example(s)*

- cannery labourer
- fish briner - fish processing
- fish plant labourer
- fish salter - fish processing
- fish weigher
- shellfish labourer
- shellfish packer - fish processing

#### *Exclusion(s)*

- Fish and seafood plant workers (94142)
- Supervisors, food and beverage processing (92012)

### *Main duties*

This group performs some or all of the following duties:

- Unload fish and shellfish from fishing vessels and transport them by hand or forklift truck to work area in fish processing plant
- Immerse fresh fish fillets in brine solution to condition them for wrapping or freezing
- Weigh fish or shellfish, record weight and pack fish in ice
- Sort fish according to species, weight and destination
- Clean work areas and equipment
- Transport supplies and packaging materials throughout plant and storage area manually or with powered equipment
- Measure and dump ingredients into hoppers of mixing and grinding machines.

### *Employment requirements*

- Some secondary school education may be required.

### *Additional information*

- Progression to other occupations in the fish processing industry is possible with experience.

## **95109 Other labourers in processing, manufacturing and utilities**

Other labourers in processing, manufacturing and utilities perform material handling, clean-up, packaging and other elemental activities in processing, manufacturing and utilities. They are employed by companies that manufacture products such as clothing, footwear, furniture and electrical and electronic products and by printing and packaging companies.

### *Illustrative example(s)*

- bindery helper
- box packer
- carton marker
- chair sander
- clothing plant labourer
- electrical products labourer
- film cutter - film processing
- furniture packer
- garment folder
- lens blocker
- machine packager
- seed packager
- shoe manufacturing labourer
- sorter - recyclable materials
- upholsterer helper

*Exclusion(s)*

- Supervisors, electronics and electrical products manufacturing (92021)
- Supervisors, furniture and fixtures manufacturing (92022)
- Supervisors, other products manufacturing and assembly (92024)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (92015)

*Main duties*

This group performs some or all of the following duties:

- Transport raw materials, finished products and equipment throughout plant manually or using powered equipment
- Check and weigh materials and products
- Sort, pack, crate and package materials and products
- Assist machine operators, assemblers and other workers
- Clean work areas and equipment
- Perform other labouring and elemental activities.

*Employment requirements*

- Some secondary school education may be required.

*Additional information*

- There is some mobility among occupations in this unit group.
- Progression to machine operating positions is possible with experience.

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**52120** 2D animator  
**52120** 3D animation artist  
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**52120** 3D modeler  
**14404** 911 dispatcher  
**12013** 911 emergency centre operations officer

## A

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**92012** abattoir supervisor  
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**41403** Aboriginal affairs officer  
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**40021** Aboriginal school principal  
**41221** Aboriginal school teacher - elementary school  
**94104** abrasive and clay products grader  
**94219** abrasive belt cutter  
**94103** abrasive mixer - stone products  
**94103** abrasive products kiln fireman/woman - non-metallic mineral products  
**95100** abrasive reclaimer - mineral products processing  
**95109** abrasive sheets inspector  
**94219** abrasive wheel binder  
**94103** abrasive wheel grinder  
**94103** abrasive wheel maker  
**94103** abrasive wheel moulder  
**94104** abrasive wheel tester  
**94103** abrasives furnace preparer - stone products  
**93101** absorption operator  
**93101** absorption plant operator  
**42200** abstractor  
**41320** academic adviser  
**00013** academic affairs vice-president - post-secondary education  
**00013** academic association president  
**00013** academic business vice-president  
**41320** academic counsellor  
**40020** academic dean - college or university  
**40021** academic dean - high school  
**41320** academic skills counsellor  
**41220** academic subjects high school teacher  
**41220** academic subjects secondary school teacher  
**41210** academic subjects teacher - college level  
**40021** academic superintendent  
**60040** academy of music manager  
**75110** access floor installer helper  
**72310** access floor specialist carpenter  
**72204** access technician - telecommunication  
**13100** access to information and privacy officer  
**13100** access to information officer  
**12202** accident and sickness underwriter - insurance  
**13101** accommodation coordinator  
**13101** accommodation officer  
**13101** accommodation planning officer

<b>60031</b> accommodations manager	<b>10021</b> accounts manager - banking, credit and investment
<b>51122</b> accompanist	<b>12011</b> accounts payable analyst
<b>73209</b> accordion repairer	<b>14200</b> accounts payable and receivable clerk
<b>51122</b> accordion teacher - private, conservatory or studio lessons	<b>14200</b> accounts payable clerk
<b>14200</b> account audit clerk	<b>12011</b> accounts payable supervisor
<b>60010</b> account manager - sales	<b>14200</b> accounts receivable clerk
<b>11102</b> account manager	<b>12011</b> accounts receivable supervisor
<b>13102</b> account records clerk - payroll	<b>14201</b> accounts representative - financial sector
<b>10019</b> account records manager	<b>62023</b> accounts supervisor - financial services
<b>14200</b> account verification clerk	<b>12203</b> accredited appraiser
<b>11100</b> accountant	<b>95102</b> acetylene cylinder preparer
<b>11100</b> accountant-controller	<b>94110</b> acetylene plant attendant
<b>11100</b> accountants supervisor	<b>94105</b> acetylene torch operator - metal fabrication
<b>14200</b> accounting and auditing clerk	<b>72106</b> acetylene welder
<b>10010</b> accounting and financial control chief	<b>95109</b> acid bottler
<b>10010</b> accounting and financial control director	<b>95100</b> acid conditioning worker - primary metal processing
<b>14200</b> accounting assistant	<b>94121</b> acid maker - pulp and paper
<b>12200</b> accounting bookkeeper	<b>93101</b> acid mixer operator
<b>14200</b> accounting clerk - Canadian Armed Forces	<b>93101</b> acid plant operator
<b>14200</b> accounting clerk	<b>94110</b> acid pumper - chemical processing
<b>12011</b> accounting clerks supervisor	<b>65311</b> acid tank cleaner
<b>11100</b> accounting controller	<b>84101</b> acid treater - oil field services
<b>10010</b> accounting department manager	<b>84101</b> acid truck driver - oil field services
<b>10010</b> accounting director	<b>95109</b> acid-bottling machine tender
<b>10029</b> accounting firm manager - business services	<b>84101</b> acidizer - oil field services
<b>10029</b> accounting firm manager	<b>94110</b> acidulation plant tender
<b>10010</b> accounting manager - financial services department	<b>22230</b> acoustic emission technician
<b>10010</b> accounting manager	<b>22230</b> acoustic emission tester
<b>10010</b> accounting office manager	<b>73102</b> acoustic tile and drywall installer
<b>10019</b> accounting records manager	<b>73102</b> acoustic tile installer
<b>12011</b> accounting section head	<b>94219</b> acoustic tile surfacer
<b>12011</b> accounting supervisor	<b>73102</b> acoustical ceiling installer
<b>41210</b> accounting teacher - college level	<b>21301</b> acoustical engineer
<b>41220</b> accounting teacher - secondary school	<b>21301</b> acoustics and vibration engineer
<b>12200</b> accounting technician	<b>21301</b> acoustics engineer
<b>14201</b> accounts clerk - financial sector	<b>21100</b> acoustics physicist
<b>64409</b> accounts information clerk	<b>21112</b> acreage-quota assignment officer
<b>64400</b> accounts information service clerk - financial institution	<b>53121</b> acrobat
	<b>40042</b> acting sub-lieutenant

<b>53121</b> acting teacher - private or studio	<b>64409</b> adjustment clerk
<b>33109</b> activationist - health support services	<b>40010</b> adjustment programs director - government services
<b>33109</b> activities coordinator - health support services	<b>33109</b> adjuvant
<b>54100</b> activities leader - seniors	<b>13100</b> administration analyst
<b>33109</b> activity aide - health support services	<b>10019</b> administration and property management services director
<b>33109</b> activity leader - seniors	<b>13100</b> administration officer
<b>33109</b> activity worker - health support services	<b>13100</b> administration services coordinator
<b>11202</b> actor agent	<b>41210</b> administration teacher
<b>53121</b> actor/actress	<b>13100</b> administrative analyst
<b>21210</b> actuarial analyst	<b>13111</b> administrative assistant - judicial
<b>21210</b> actuarial assistant	<b>13111</b> administrative assistant - legal
<b>14201</b> actuarial clerk	<b>13112</b> administrative assistant - medical
<b>20011</b> actuarial department manager	<b>13110</b> administrative assistant - office
<b>21210</b> actuary	<b>13110</b> administrative assistant
<b>32209</b> acupressure therapist	<b>14100</b> administrative clerk - Canadian Armed Forces
<b>33109</b> acupuncture assistant	<b>14100</b> administrative clerk
<b>33109</b> acupuncture attendant	<b>12010</b> administrative clerks supervisor
<b>32200</b> acupuncturist	<b>14301</b> administrative contract clerk
<b>31300</b> acute care coordinator - nursing	<b>13100</b> administrative coordinator
<b>31302</b> acute care nurse practitioner	<b>31121</b> administrative dietitian
<b>31100</b> acute care specialist	<b>41100</b> administrative judge
<b>14112</b> ad compositor - typesetting	<b>41101</b> administrative lawyer
<b>51111</b> ad writer	<b>50010</b> administrative librarian
<b>41300</b> addiction social worker	<b>10019</b> administrative manager
<b>41301</b> addictions counsellor	<b>31121</b> administrative nutritionist
<b>42201</b> addictions worker - compulsive gambling	<b>13100</b> administrative officer
<b>42201</b> addictions worker	<b>13100</b> administrative planning officer
<b>73209</b> adding machine repairer	<b>10019</b> administrative records department manager
<b>14100</b> address forms clerk	<b>10019</b> administrative records manager
<b>74100</b> addressing machine operator - mail and parcel sorting	<b>13110</b> administrative secretary
<b>74100</b> address-labelling machine tender	<b>10019</b> administrative services chief
<b>74100</b> address-plate inserter	<b>13100</b> administrative services coordinator
<b>94219</b> adhesive bandage machine tender	<b>10019</b> administrative services director
<b>21320</b> adhesives engineer	<b>10019</b> administrative services manager
<b>12104</b> adjudication officer - employment insurance	<b>13100</b> administrative services officer
<b>43203</b> adjudication officer - immigration	<b>13100</b> administrative support officer
<b>12104</b> adjudicator - employment insurance	<b>10019</b> administrative support services manager
<b>12201</b> adjuster - insurance	<b>13100</b> administrative technician
<b>12201</b> adjuster trainee - insurance	<b>40010</b> administrative tribunal judge - government services
<b>12201</b> adjuster	



<b>50011</b> administrator of studio and broadcasting station	<b>12102</b> advertising buyer
<b>40042</b> admiral	<b>11202</b> advertising campaign organizer
<b>10019</b> admissions director - health care	<b>14301</b> advertising clerk
<b>40020</b> admissions director - post-secondary education	<b>12012</b> advertising clerks supervisor
<b>13100</b> admissions officer - post-secondary educational institution	<b>14202</b> advertising collector
<b>14101</b> admitting clerk	<b>11202</b> advertising consultant
<b>41403</b> adoption project officer	<b>51111</b> advertising copywriter
<b>31302</b> adult care nurse practitioner	<b>52120</b> advertising designer
<b>32122</b> adult echocardiographer	<b>10022</b> advertising director
<b>41405</b> adult education consultant	<b>51110</b> advertising editor
<b>40020</b> adult education dean	<b>52120</b> advertising illustrator chief
<b>41405</b> adult education program officer	<b>52120</b> advertising illustrator
<b>40012</b> adult education services director	<b>75201</b> advertising item delivery person
<b>41220</b> adult education teacher - secondary school	<b>52120</b> advertising layout designer
<b>32102</b> advanced care paramedic	<b>10022</b> advertising manager
<b>32102</b> advanced emergency medical assistant	<b>14301</b> advertising space measurer
<b>32102</b> advanced life support attendant	<b>64101</b> advertising space representative - print media
<b>32102</b> advanced life support coordinator	<b>11202</b> advertising specialist
<b>32102</b> advanced life support paramedic	<b>64101</b> advertising time sales representative
<b>31302</b> advanced nurse practitioner	<b>51111</b> advertising writer
<b>31302</b> advanced practice nurse	<b>41403</b> adviser for the integration of persons with disabilities
<b>32120</b> advanced registered medical laboratory technologist	<b>41101</b> advisory counsel
<b>64320</b> adventure travel site interpreter	<b>94124</b> adzing and boring machine operator
<b>75201</b> advertisement delivery person	<b>53121</b> aerial acrobat - entertainment
<b>11202</b> advertising account executive	<b>72600</b> aerial crop duster
<b>11202</b> advertising account manager	<b>72600</b> aerial crop dusting service contractor
<b>10022</b> advertising administrator	<b>22214</b> aerial photograph analyst
<b>64101</b> advertising agency broker	<b>22214</b> aerial photograph interpreter
<b>10022</b> advertising agency manager	<b>22214</b> aerial photograph technician
<b>00012</b> advertising agency president	<b>53110</b> aerial photographer
<b>41402</b> advertising analyst	<b>72600</b> aerial sprayer
<b>11202</b> advertising and promotions coordinator	<b>75119</b> aerial spraying assistant
<b>11202</b> advertising and promotions specialist	<b>75119</b> aerial spraying lineman/woman
<b>52120</b> advertising art director	<b>72600</b> aerial survey flight supervisor
<b>52120</b> advertising art supervisor	<b>72600</b> aerial survey pilot
<b>41210</b> advertising art teacher	<b>22214</b> aerial survey technician
<b>52120</b> advertising artist	<b>22214</b> aerial survey technologist
<b>14301</b> advertising assistant	<b>73400</b> aerial tram operator
<b>94219</b> advertising button assembler	<b>54100</b> aerobics instructor
	<b>12013</b> aerodrome supervisor

<b>21100</b> aerodynamicist	<b>72421</b> after-sales service technician - electrical appliances
<b>21390</b> aerodynamics engineer	<b>10022</b> agency marketing department manager
<b>72404</b> aero-engine mechanic	<b>64312</b> agent ticket and information - airline
<b>72404</b> aero-engine technician	<b>94130</b> aging machine operator - textile manufacturing
<b>22214</b> aerological observer	<b>94130</b> aging machine tender - textile manufacturing
<b>22214</b> aerological technician	<b>21112</b> agricultural advisor
<b>32129</b> aeromedical instructor	<b>41400</b> agricultural association analyst
<b>32129</b> aeromedical technician	<b>21101</b> agricultural chemist
<b>32129</b> aeromedicine technician	<b>20011</b> agricultural chemistry branch director
<b>22212</b> aeronautical draftsman	<b>41210</b> agricultural college teacher
<b>21390</b> aeronautical engineer	<b>21112</b> agricultural consultant
<b>21390</b> aeronautical project engineer	<b>41401</b> agricultural economist
<b>22301</b> aeronautical technologist	<b>21399</b> agricultural engineer
<b>21100</b> aerophysicist	<b>22300</b> agricultural engineering technician
<b>72601</b> aerospace control operator - Canadian Armed Forces	<b>62100</b> agricultural equipment and supplies technical salesperson
<b>21390</b> aerospace engineer - design and development	<b>94204</b> agricultural equipment assembler
<b>21390</b> aerospace engineer - flight operations	<b>92023</b> agricultural equipment assembly foreman/woman
<b>21390</b> aerospace engineer - flight support	<b>94204</b> agricultural equipment assembly inspector
<b>21390</b> aerospace engineer - flight test	<b>94204</b> agricultural equipment bench assembler
<b>21390</b> aerospace engineer - mass properties	<b>94204</b> agricultural equipment inspector
<b>21390</b> aerospace engineer - material stress	<b>72401</b> agricultural equipment technician
<b>21390</b> aerospace engineer - materials and processes	<b>21112</b> agricultural extension supervisor
<b>21390</b> aerospace engineer - propulsion systems	<b>94204</b> agricultural implement assembly inspector
<b>21390</b> aerospace engineer - systems analysis	<b>94204</b> agricultural implement bench assembler
<b>21390</b> aerospace engineer - systems	<b>94204</b> agricultural implement gearcase assembler
<b>21390</b> aerospace engineer - weight and balance	<b>94204</b> agricultural implements assembly inspector
<b>21390</b> aerospace engineer	<b>41400</b> agricultural issues lobbyist
<b>20010</b> aerospace engineering manager	<b>21112</b> agricultural livestock specialist
<b>21390</b> aerospace engineering officer - Canadian Armed Forces	<b>72405</b> agricultural machinery builder
<b>22301</b> aerospace engineering technician	<b>72405</b> agricultural machinery fitter
<b>22301</b> aerospace engineering technologist	<b>21103</b> agricultural meteorologist
<b>21390</b> aerospace reliability specialist	<b>40011</b> agricultural policy director - government services
<b>21100</b> aerospace research scientist	<b>22111</b> agricultural products inspection supervisor
<b>21390</b> aerospace structural engineer	<b>22111</b> agricultural products inspector
<b>21390</b> aerospace systems engineer	<b>40011</b> agricultural products market development director - government services
<b>21390</b> aerospace test engineer	<b>40011</b> agricultural products market director
<b>11202</b> affiliated stations relations administrator	<b>40011</b> agricultural programs manager - government services
<b>41403</b> affirmative action advisor	
<b>72410</b> after sales service technician - motor vehicles	

<b>21112</b> agricultural representative	<b>72020</b> air conditioning and refrigeration foreman/woman
<b>20011</b> agricultural representatives director	<b>72020</b> air conditioning and refrigeration mechanic foreman/woman
<b>20011</b> agricultural representatives regional manager	<b>72402</b> air conditioning and refrigeration mechanic
<b>41210</b> agricultural school teacher	<b>72020</b> air conditioning contractor
<b>22110</b> agricultural sciences technician	<b>75119</b> air conditioning mechanic helper
<b>21110</b> agricultural scientist	<b>72020</b> air conditioning mechanics foreman/woman
<b>21112</b> agricultural soil and crop specialist	<b>92100</b> air conditioning system operator
<b>21112</b> agricultural specialist	<b>22212</b> air conditioning systems draftsman
<b>22110</b> agricultural technician	<b>94202</b> air conditioning unit tester
<b>22110</b> agricultural technologist	<b>64410</b> air courier guard
<b>41402</b> agriculture and food sector development consultant	<b>65311</b> air duct cleaner
<b>41402</b> agriculture and food sector marketing consultant	<b>65311</b> air duct cleaning technician
<b>82030</b> agriculture foreman/woman	<b>94219</b> air filter assembler
<b>41200</b> agriculture professor - university	<b>70020</b> air freight manager
<b>21112</b> agriculturist	<b>75110</b> air gun operator
<b>41402</b> agri-food sector marketing consultant	<b>75110</b> air hammer operator - construction
<b>21101</b> agrochemist	<b>94105</b> air hammer operator - metal forging
<b>21110</b> agrogeologist	<b>94141</b> air knife meat cutter - meat packing plant
<b>21112</b> agrologist	<b>75110</b> air lock tender
<b>22110</b> agrology technician	<b>72600</b> air navigator
<b>22110</b> agrology technologist	<b>72600</b> air patrol pilot
<b>21112</b> agronomist	<b>72600</b> air pilot and flight engineer supervisor
<b>21399</b> agronomy engineer	<b>72600</b> air pilot
<b>22110</b> agronomy technician	<b>72600</b> air pilots and navigators supervisor
<b>22110</b> agronomy technologist	<b>22300</b> air pollution field technician
<b>21399</b> agroprocessing engineer	<b>21103</b> air quality meteorologist
<b>93200</b> aileron fitter - aircraft assembly	<b>75110</b> air tool operator
<b>94112</b> air brake hose builder - rubber products manufacturing	<b>75110</b> air track drill operator helper
<b>72403</b> air brake inspector - railway car	<b>72601</b> air traffic control assistant
<b>75110</b> air breaker operator	<b>72601</b> air traffic control chief
<b>22231</b> air carrier maintenance inspector	<b>72601</b> air traffic control officer
<b>40042</b> air combat systems officer	<b>72601</b> air traffic controller (ATC) - Canadian Armed Forces
<b>92100</b> air compressor operator	<b>72601</b> air traffic controller (ATC)
<b>73209</b> air compressor repairer	<b>72601</b> air traffic coordinator
<b>94202</b> air conditioner coil assembler	<b>22231</b> air transport inspector
<b>72421</b> air conditioner repairer - window unit	<b>12013</b> air transport operations supervisor
<b>72402</b> air conditioning and heating mechanic	<b>12013</b> air transport operations support supervisor
<b>72020</b> air conditioning and refrigeration contractor	<b>14405</b> air transport schedule analyst
	<b>73200</b> air treatment installer

<b>42102</b> air weapons systems technician	<b>22313</b> aircraft electrician
<b>94112</b> airbag and tube curer - rubber products manufacturing	<b>22313</b> aircraft electronic components technician
<b>94112</b> airbag builder - rubber products manufacturing	<b>22313</b> aircraft electronic equipment inspector and tester
<b>95104</b> airbag extractor - rubber products manufacturing	<b>22313</b> aircraft electronic equipment installer
<b>22214</b> airborne data acquisition specialist	<b>22313</b> aircraft electronic system mechanic
<b>22310</b> airborne electronic sensor operator - Canadian Armed Forces	<b>22313</b> aircraft electronics inspector
<b>43204</b> airborne electronic sensor operator	<b>72404</b> aircraft engine accessories overhaul mechanic
<b>22101</b> airborne geophysical equipment operator	<b>72020</b> aircraft engine assemblers foreman/woman
<b>52111</b> airbrush artist	<b>72405</b> aircraft engine assembly fitter
<b>94213</b> airbrush painter	<b>72020</b> aircraft engine assembly foreman/woman
<b>94204</b> air-cooled engine assembler	<b>72405</b> aircraft engine fitter
<b>72429</b> air-cooled engine mechanic	<b>72020</b> aircraft engine fitters foreman/woman
<b>72404</b> aircraft accessories mechanic	<b>72404</b> aircraft engine inspector
<b>72404</b> aircraft accessories overhaul mechanic	<b>72404</b> aircraft engine mechanic
<b>72404</b> aircraft accessories overhaul technician	<b>72404</b> aircraft engine mechanical systems overhaul inspector
<b>72404</b> aircraft accessories repairer	<b>72404</b> aircraft engine mechanical systems technician
<b>72404</b> aircraft accessories repairman/woman	<b>72020</b> aircraft engine overhaul foreman/woman
<b>22313</b> aircraft and missile electrotechnician - avionics	<b>72404</b> aircraft engine overhaul inspector
<b>93200</b> aircraft assembler	<b>72404</b> aircraft engine overhaul mechanic
<b>92023</b> aircraft assembly foreman/woman	<b>94106</b> aircraft engine parts machine tool set-up operator
<b>92023</b> aircraft assembly inspection foreman/woman	<b>72100</b> aircraft engine parts machinist
<b>93200</b> aircraft assembly inspector	<b>72404</b> aircraft engine repair and overhaul mechanic
<b>93200</b> aircraft assembly rigger	<b>72020</b> aircraft engine repair foreman/woman
<b>92023</b> aircraft assembly supervisor	<b>72404</b> aircraft engine technician
<b>22313</b> aircraft avionics technician	<b>72404</b> aircraft engine tester
<b>93200</b> aircraft bench assembler	<b>93200</b> aircraft fabrication inspector
<b>72404</b> aircraft body repairer	<b>93200</b> aircraft final assembly inspector
<b>95101</b> aircraft bumper operator	<b>93200</b> aircraft fitter-assembler - aircraft assembly
<b>74202</b> aircraft cleaner	<b>64311</b> aircraft flight attendant
<b>72404</b> aircraft composite and sheet metal repairer	<b>63221</b> aircraft furnishing technician
<b>93200</b> aircraft control assembler	<b>92023</b> aircraft fuselage assembly foreman/woman
<b>63221</b> aircraft custom upholsterer	<b>72404</b> aircraft gas turbine engine technician
<b>21390</b> aircraft design engineer	<b>74202</b> aircraft groomer
<b>22313</b> aircraft electrical equipment inspector and tester	<b>94219</b> aircraft heat shield maker
<b>22313</b> aircraft electrical inspector	<b>92023</b> aircraft hydraulic equipment installation foreman/woman
<b>22313</b> aircraft electrical mechanic	<b>72404</b> aircraft hydraulics inspector
<b>22313</b> aircraft electrical system mechanic	<b>72404</b> aircraft hydraulics mechanic
<b>22313</b> aircraft electrical technician	<b>72020</b> aircraft hydraulics repair shop foreman/woman

<b>72404</b> aircraft hydraulics shop technician	<b>72020</b> aircraft mechanical systems mechanics foreman/woman
<b>72404</b> aircraft hydraulics technician	<b>72404</b> aircraft mechanical systems modification mechanic
<b>72404</b> aircraft hydraulics tester	<b>72404</b> aircraft mechanical systems preflight mechanic
<b>72404</b> aircraft inspector	<b>72404</b> aircraft mechanical systems repair and overhaul inspector
<b>22313</b> aircraft instrument inspector	<b>72404</b> aircraft mechanical systems repair inspector
<b>75119</b> aircraft instrument mechanic helper	<b>72404</b> aircraft mechanical systems repair shop inspector
<b>22313</b> aircraft instrument mechanic	<b>72404</b> aircraft mechanical systems technician
<b>22313</b> aircraft instrument technician	<b>72020</b> aircraft mechanics and inspectors foreman/woman - mechanical systems
<b>52121</b> aircraft interior designer	<b>72020</b> aircraft mechanics and inspectors foreman/woman
<b>72101</b> aircraft jig and template maker	<b>72020</b> aircraft mechanics and repairers foreman/woman - mechanical systems
<b>72101</b> aircraft jig and tool maker	<b>72020</b> aircraft mechanics foreman/woman
<b>72102</b> aircraft layout man/woman sheet metal	<b>72999</b> aircraft mock-up maker
<b>72100</b> aircraft machinist	<b>72999</b> aircraft model maker
<b>72020</b> aircraft maintenance chief	<b>22230</b> aircraft non-destructive inspection technician
<b>22313</b> aircraft maintenance engineer (AME) - avionics	<b>92023</b> aircraft painter foreman/woman
<b>72404</b> aircraft maintenance engineer (AME) (except avionics)	<b>94213</b> aircraft painter
<b>72020</b> aircraft maintenance engineer (AME) chief	<b>94212</b> aircraft parts assembly repairer - plastic products manufacturing
<b>72020</b> aircraft maintenance engineers (AME) supervisor	<b>94106</b> aircraft parts etcher
<b>72404</b> aircraft maintenance mechanic apprentice	<b>92023</b> aircraft parts etching foreman/woman
<b>72020</b> aircraft maintenance mechanics foreman/woman - aircraft mechanical systems	<b>93200</b> aircraft parts fitter - aircraft assembly
<b>72020</b> aircraft maintenance service supervisor	<b>95109</b> aircraft parts packager
<b>72020</b> aircraft maintenance supervisor - aircraft mechanical systems	<b>95109</b> aircraft parts wrapper
<b>72404</b> aircraft maintenance technician	<b>63221</b> aircraft patternmaker and upholsterer
<b>72404</b> aircraft mechanic experimental	<b>72999</b> aircraft patternmaker
<b>75119</b> aircraft mechanic helper	<b>94212</b> aircraft plastic panelling assembler
<b>72404</b> aircraft mechanic learner	<b>94212</b> aircraft plastic parts trimmer-assembler
<b>72404</b> aircraft mechanic	<b>72404</b> aircraft plumbing and hydraulics mechanic
<b>72404</b> aircraft mechanical and fuel systems overhaul and repair mechanic	<b>93200</b> aircraft power plant assembler-installer
<b>72404</b> aircraft mechanical systems flight tests inspector	<b>72404</b> aircraft power plant mechanic
<b>72404</b> aircraft mechanical systems inspector	<b>72404</b> aircraft propeller inspector
<b>72404</b> aircraft mechanical systems junior mechanic	<b>72020</b> aircraft propeller repair foreman/woman
<b>72020</b> aircraft mechanical systems maintenance service supervisor	<b>72404</b> aircraft propeller systems technician
<b>72020</b> aircraft mechanical systems maintenance supervisor	<b>72404</b> aircraft propulsion technician
<b>72404</b> aircraft mechanical systems maintenance technician	<b>72404</b> aircraft reciprocating engine technician
<b>72404</b> aircraft mechanical systems mechanic	<b>14100</b> aircraft records clerk

<b>74202</b> aircraft refueler	<b>72601</b> airline dispatcher
<b>72404</b> aircraft repair and overhaul inspector	<b>70020</b> airline division manager
<b>72404</b> aircraft repair shop inspector	<b>70020</b> airline division superintendent
<b>53100</b> aircraft restoration technician - museum	<b>70020</b> airline express manager
<b>93200</b> aircraft rigger - aircraft assembly	<b>70020</b> airline fleet operations manager
<b>93200</b> aircraft rigging and controls mechanic - aircraft assembly	<b>70020</b> airline flight schedule design manager
<b>92023</b> aircraft rigging foreman/woman	<b>65201</b> airline food assembler
<b>72404</b> aircraft rotary mechanical systems technician	<b>12013</b> airline load control supervisor
<b>72404</b> aircraft safety systems mechanic	<b>64312</b> airline load planner
<b>62100</b> aircraft sales representative	<b>70020</b> airline manager
<b>93200</b> aircraft sealer - aircraft assembly	<b>64312</b> airline passenger agent
<b>72020</b> aircraft servicing foreman/woman	<b>72600</b> airline pilot instructor
<b>72020</b> aircraft servicing supervisor	<b>72600</b> airline pilot
<b>72404</b> aircraft sheet metal technician	<b>64311</b> airline purser
<b>72404</b> aircraft skin repairer	<b>14404</b> airline radio operator
<b>72404</b> aircraft structural repair technician	<b>64312</b> airline reservation agent
<b>72404</b> aircraft structural technician	<b>64312</b> airline sales and service agent
<b>93200</b> aircraft structure and surface assembler	<b>62022</b> airline sales and service agents supervisor
<b>93200</b> aircraft structure assembler	<b>70020</b> airline superintendent
<b>72404</b> aircraft structures technician - Canadian Armed Forces	<b>72600</b> airline test pilot
<b>72404</b> aircraft systems inspector	<b>64312</b> airline ticket agent
<b>62100</b> aircraft technical sales specialist	<b>72600</b> airplane pilot
<b>93200</b> aircraft tester - aircraft assembly	<b>72601</b> airport air traffic controller
<b>95104</b> aircraft tire tube balancer	<b>65310</b> airport cleaner
<b>94112</b> aircraft tire tube builder - rubber products manufacturing	<b>21300</b> airport engineer
<b>74202</b> aircraft towing equipment operator	<b>73209</b> airport equipment maintenance repairer
<b>63221</b> aircraft upholsterer	<b>40041</b> airport fire department chief
<b>72106</b> aircraft welder	<b>42101</b> airport firefighter
<b>93200</b> aircraft wing assembler	<b>65312</b> airport janitor
<b>93200</b> airframe assembler - aircraft assembly	<b>75200</b> airport limousine driver
<b>93200</b> airframe assembler	<b>73201</b> airport maintenance worker
<b>93200</b> airframe fitter - aircraft assembly	<b>70012</b> airport manager
<b>72404</b> airframe mechanic	<b>74202</b> airport ramp attendant
<b>93200</b> airframe subassembler	<b>72021</b> airport road paving foreman/woman
<b>93200</b> airframe unit assembler	<b>72021</b> airport runways road foreman/woman
<b>64312</b> airline baggage agent	<b>64410</b> airport security guard
<b>64312</b> airline cargo agent	<b>70012</b> airport services manager
<b>64312</b> airline customer service representative	<b>70012</b> airport terminal manager
<b>41210</b> airline customer-service instructor	<b>64322</b> airship pilot
	<b>73402</b> air-track drill operator - construction
	<b>22231</b> airworthiness inspector

<b>64410</b> alarm investigator	<b>94100</b> alumina clarifier operator
<b>14404</b> alarm system dispatcher	<b>92010</b> alumina plant foreman/woman
<b>14404</b> alarm system operator	<b>95100</b> alumina recovery helper
<b>64101</b> alarm system sales representative	<b>94100</b> alumina recovery operator
<b>22311</b> alarm system technician	<b>94201</b> aluminizing equipment operator - electronic equipment manufacturing
<b>22311</b> alarm systems installer	<b>94219</b> aluminum awning assembler
<b>41301</b> alcohol addiction counsellor	<b>73200</b> aluminum awning installer
<b>64101</b> alcoholic beverage sales representative - wholesale	<b>94219</b> aluminum awning maker
<b>00010</b> alderman/woman	<b>94219</b> aluminum boat assembler
<b>41220</b> algebra teacher - secondary school	<b>94219</b> aluminum boat leak tester
<b>21110</b> algologist	<b>94100</b> aluminum classifier
<b>94201</b> aligner - electronic equipment manufacturing	<b>94219</b> aluminum door and window assembler
<b>74200</b> aligner-tamper operator - railway	<b>73200</b> aluminum door and window installer
<b>72410</b> alignment and brakes technician	<b>94219</b> aluminum door assembler
<b>94151</b> alignment examiner - printing	<b>73200</b> aluminum door installer
<b>93101</b> alkylation chief operator	<b>94100</b> aluminum electrolytic tank reconditioner
<b>93101</b> alkylation operator	<b>94100</b> aluminum electrolytic tank tender
<b>93101</b> alkylation tower tender	<b>94100</b> aluminum oxide controller
<b>31100</b> allergist	<b>94100</b> aluminum pourer - primary metal processing
<b>31100</b> allergologist	<b>94100</b> aluminum powder maker
<b>93100</b> alloy control operator - zinc casting	<b>64101</b> aluminum products sales representative - wholesale
<b>95100</b> alloy mixer - primary metal processing	<b>64100</b> aluminum products salesperson - retail
<b>95100</b> alloy processor - primary metal processing	<b>94105</b> aluminum sheet cutter - ductwork
<b>72423</b> all-terrain vehicle repairer	<b>94105</b> aluminum sheet cutter - metal fabrication
<b>94204</b> all-terrain vehicles inspector	<b>95100</b> aluminum sheet separator
<b>64322</b> alpine guide	<b>94105</b> aluminum sheet trimmer - ductwork
<b>64200</b> alterations dressmaker	<b>73200</b> aluminum siding installer
<b>64200</b> alterations seamstress	<b>64100</b> aluminum siding salesperson - retail
<b>92015</b> alterations supervisor - clothing manufacturing	<b>94100</b> aluminum slurry pump tender
<b>62100</b> alternate heating energy consultant	<b>94100</b> aluminum stretcher-leveller operator
<b>94203</b> alternating current (AC) and direct current (DC) armature winder	<b>94219</b> aluminum window assembler
<b>94203</b> alternating current (AC) and direct current (DC) motor inspector and tester	<b>73200</b> aluminum window installer
<b>94203</b> alternating current (AC) and direct current (DC) motors fitter-assembler	<b>94100</b> aluminum-briquetting equipment operator
<b>94203</b> alternating current (AC) and direct current (DC) motors inspector	<b>94100</b> aluminum-casting machine operator - primary metal processing
<b>94203</b> alternator tester	<b>93101</b> alum-liquor plant operator
<b>51122</b> alto	<b>00013</b> alumni association executive director
<b>95100</b> alumina clarifier helper	<b>94100</b> amalgamation process tender
	<b>53200</b> amateur athlete
	<b>53201</b> amateur athletics team coach

<b>50012</b> amateur sport manager	<b>21310</b> analog and mixed-signal design engineer
<b>53201</b> amateur sports team coach	<b>21210</b> analysis supervisor - statistics
<b>53201</b> amateur track and field team coach	<b>41402</b> analyst - market research
<b>00011</b> ambassador	<b>11100</b> analyst-accountant
<b>32102</b> ambulance attendant trainee	<b>21101</b> analytical biochemist
<b>32102</b> ambulance attendant	<b>21101</b> analytical chemist
<b>32102</b> ambulance attendants supervisor	<b>22100</b> analytical chemistry technician
<b>14404</b> ambulance dispatcher	<b>22100</b> analytical chemistry technologist
<b>32102</b> ambulance driver	<b>31100</b> anatomical pathologist
<b>32102</b> ambulance driver-attendant	<b>32120</b> anatomical pathology technologist
<b>32102</b> ambulance services field supervisor	<b>21110</b> anatomist
<b>32102</b> ambulance services supervisor	<b>41200</b> anatomy professor - university
<b>32102</b> ambulance services unit chief	<b>74200</b> anchor-applicator operator - railway
<b>32102</b> ambulance technician	<b>51113</b> anchorman/woman
<b>31301</b> ambulatory care nurse	<b>41405</b> andragogy specialist
<b>51114</b> American Sign Language (ASL) interpreter	<b>32103</b> anesthesia assistant
<b>93101</b> ammonia plant operator	<b>31302</b> anesthesia nurse practitioner
<b>94219</b> ammunition assembler	<b>32103</b> anesthesia technologist
<b>94101</b> ammunition caster - foundry	<b>31100</b> anesthesiologist - Canadian Armed Forces
<b>12013</b> ammunition foreman/woman	<b>31100</b> anesthesiologist
<b>94219</b> ammunition inspector	<b>33102</b> anesthetic attendant - hospital
<b>94219</b> ammunition loading inspector	<b>31100</b> anesthetist
<b>94219</b> ammunition maker	<b>94105</b> angle shear operator - metal fabrication
<b>94219</b> ammunition manufacturing inspector	<b>53122</b> animal art painter
<b>22231</b> ammunition safety inspector	<b>53122</b> animal art sculptor
<b>94219</b> ammunition salvage inspector	<b>65220</b> animal attendant
<b>14401</b> ammunition storekeeper	<b>65220</b> animal attendants supervisor
<b>42102</b> ammunition technician	<b>31103</b> animal behavior veterinarian
<b>94219</b> ammunition worker	<b>80020</b> animal breeder
<b>72400</b> ammunition-assembling machine adjuster	<b>32104</b> animal care technician
<b>72400</b> ammunition-loading machine adjuster	<b>32104</b> animal care technologist
<b>31112</b> amplification audiologist	<b>65220</b> animal care worker (except farm)
<b>22311</b> amplifier repairer	<b>43202</b> animal control inspector
<b>95109</b> ampoule filler	<b>43202</b> animal control officer
<b>95109</b> ampoule inspector - pharmaceuticals and toiletries manufacturing	<b>43202</b> animal control supervisor
<b>65211</b> amusement attraction operator	<b>73202</b> animal control trapper
<b>65211</b> amusement concession operator	<b>21110</b> animal ecologist
<b>65211</b> amusement park attendant	<b>94141</b> animal eviscerator - meat packing plant
<b>65211</b> amusement ride attendant	<b>82030</b> animal farm foreman/woman
<b>65211</b> amusement ride operator	<b>80020</b> animal farmer
	<b>95106</b> animal feed sack filler



<b>21110</b> animal geneticist	<b>75201</b> announcement deliverer
<b>65220</b> animal groomer (except horses)	<b>52114</b> announcer
<b>65220</b> animal health care assistant	<b>11103</b> annuity representative - investments
<b>22111</b> animal health inspector	<b>94104</b> anode adjuster - primary metal processing
<b>32104</b> animal health technician - agriculture	<b>94100</b> anode caster - primary metal processing
<b>32104</b> animal health technician	<b>94100</b> anode caster
<b>32104</b> animal health technologist supervisor	<b>94100</b> anode operator
<b>32104</b> animal health technologist	<b>94100</b> anode paste plant operator
<b>82030</b> animal husbandry foreman/woman	<b>94100</b> anode press operator
<b>21110</b> animal nutritionist	<b>94213</b> anodizer
<b>32104</b> animal operating room attendant	<b>92010</b> anodizing foreman/woman - primary metal processing
<b>31103</b> animal pathologist	<b>14101</b> answering service operator
<b>22111</b> animal primary products inspector	<b>94219</b> antenna assembler
<b>94141</b> animal skinner - meat packing plant	<b>21310</b> antenna engineer
<b>94141</b> animal sticker - meat packing plant	<b>73200</b> antenna installer - electronic equipment
<b>94141</b> animal stunner	<b>94201</b> antenna-tuner inspector - electronic equipment manufacturing
<b>21110</b> animal taxonomist	<b>41409</b> anthropologist
<b>65220</b> animal trainer (except horses or marine mammals)	<b>41200</b> anthropology professor - university
<b>52119</b> animal wrangler - motion pictures, broadcasting and performing arts	<b>93101</b> antibiotics fermenter
<b>52120</b> animated cartoon artist - visual arts	<b>95109</b> antichecking steel bander
<b>52120</b> animated cartoon artist	<b>40040</b> anti-gambling section inspector - police
<b>52120</b> animated cartoon colourist	<b>72411</b> antique car body restorer
<b>52111</b> animated cartoon inker	<b>60020</b> antique dealer
<b>52111</b> animated cartoon painter	<b>72411</b> antique vehicle body restorer
<b>52111</b> animated cartoon technician	<b>94210</b> antiquer - furniture finishing
<b>52111</b> animated cartoons inker and painter	<b>94219</b> anvil-seating press tender
<b>52120</b> animation artist	<b>72999</b> anvilsmith
<b>52111</b> animation camera operator	<b>65312</b> apartment building caretaker
<b>52111</b> animation inker	<b>65312</b> apartment building concierge
<b>52120</b> animation layout designer	<b>73201</b> apartment building maintenance worker
<b>52111</b> animation painter	<b>73201</b> apartment maintenance man/woman
<b>21232</b> animation programmer	<b>13101</b> apartment rental agent
<b>52120</b> animator - animated films	<b>80020</b> apiarist
<b>42204</b> animator - spiritual guidance	<b>84120</b> apiary technician
<b>94102</b> annealer - glass products manufacturing	<b>85100</b> apiary worker
<b>94100</b> annealer - primary metal processing	<b>21110</b> apiculture entomologist
<b>95100</b> annealer helper - primary metal processing	<b>80020</b> apiculturist
<b>92010</b> annealing foreman/woman - primary metal processing	<b>41210</b> apparel design teacher
<b>92010</b> annealing foreman/woman	<b>12104</b> appeal judge - employment insurance

<b>12104</b> appeal officer - taxation	<b>21300</b> appraisal engineer
<b>12104</b> appeal officer	<b>21111</b> appraisal forester
<b>41100</b> appellate court judge	<b>12203</b> appraisal technician
<b>80020</b> apple grower	<b>12203</b> appraiser (except customs)
<b>82030</b> apple orchard foreman/woman	<b>72404</b> apprentice aircraft maintenance engineer (AME)
<b>85101</b> apple picker	<b>72404</b> apprentice aircraft mechanical systems mechanic
<b>80020</b> apple producer	<b>72421</b> apprentice appliance service technician
<b>94140</b> applesauce processor operator	<b>72100</b> apprentice automotive machinist
<b>62101</b> appliance buyer	<b>22313</b> apprentice avionics technician
<b>72020</b> appliance repair contractor	<b>63202</b> apprentice baker - retail
<b>72020</b> appliance repair shop foreman/woman	<b>72310</b> apprentice boat carpenter
<b>72020</b> appliance repair shop supervisor	<b>72320</b> apprentice bricklayer
<b>72421</b> appliance repairer apprentice	<b>72320</b> apprentice brickmason
<b>64100</b> appliance salesperson - retail	<b>63201</b> apprentice butcher - retail or wholesale
<b>72421</b> appliance service technician apprentice	<b>72403</b> apprentice carman/woman - railway
<b>72421</b> appliance service technician	<b>72310</b> apprentice carpenter
<b>72421</b> appliance servicer	<b>72310</b> apprentice carpenter-joiner
<b>41210</b> appliance servicing teacher - vocational institute	<b>73100</b> apprentice cement finisher
<b>60020</b> appliance store manager	<b>72205</b> apprentice communication electrician - switching
<b>21231</b> application architect	<b>72200</b> apprentice construction electrician
<b>14301</b> application clerk	<b>63200</b> apprentice cook
<b>20012</b> application development director - information technology (IT)	<b>32110</b> apprentice dental mechanic
<b>21232</b> application programmer	<b>32112</b> apprentice dental prosthesis maker
<b>14201</b> application reviewer - insurance	<b>32112</b> apprentice dental technician
<b>21220</b> application security engineer	<b>65320</b> apprentice dry cleaner
<b>21311</b> application specific integrated circuit (ASIC) design engineer	<b>73102</b> apprentice drywall applicator
<b>22221</b> application support analyst	<b>72205</b> apprentice electrician - telecommunications equipment
<b>22222</b> application tester	<b>72200</b> apprentice electrician
<b>22222</b> application testing technician	<b>72406</b> apprentice elevator mechanic
<b>21222</b> applications analyst - computer systems	<b>62201</b> apprentice embalmer
<b>41409</b> applied anthropologist	<b>72401</b> apprentice farm equipment mechanic
<b>41210</b> applied arts teacher - college level	<b>72401</b> apprentice farm machinery mechanic
<b>41409</b> applied geographer	<b>72104</b> apprentice fitter - shipbuilding
<b>41409</b> applied linguist	<b>73113</b> apprentice floor covering installer
<b>21210</b> applied mathematician	<b>72302</b> apprentice gas fitter
<b>21103</b> applied meteorologist	<b>73111</b> apprentice glazier
<b>21210</b> applied statistician	<b>73400</b> apprentice heavy equipment operator
<b>14101</b> appointment clerk	<b>72201</b> apprentice industrial electrician
<b>13110</b> appointment secretary	

<b>22312</b> apprentice industrial instrument mechanic	<b>73401</b> apprentice press operator - printing
<b>72400</b> apprentice industrial mechanic	<b>73401</b> apprentice press operator
<b>73112</b> apprentice industrial painter and decorator	<b>73401</b> apprentice pressman/woman - printing
<b>22312</b> apprentice instrument mechanic	<b>73401</b> apprentice pressman/woman
<b>72321</b> apprentice insulator	<b>73401</b> apprentice printing press operator
<b>72105</b> apprentice ironworker	<b>72423</b> apprentice recreation vehicle mechanic
<b>62202</b> apprentice jeweller	<b>72402</b> apprentice refrigeration and air conditioning mechanic
<b>72203</b> apprentice line maintainer - electric power systems	<b>73110</b> apprentice roofer
<b>72203</b> apprentice lineman/woman - electric power systems	<b>72999</b> apprentice saw repairer
<b>72204</b> apprentice lineman/woman - telecommunications	<b>65101</b> apprentice service station attendant
<b>72100</b> apprentice machinist	<b>72102</b> apprentice sheet metal worker
<b>72201</b> apprentice marine electrician	<b>73110</b> apprentice shingle roofer
<b>72603</b> apprentice marine engineer officer	<b>72104</b> apprentice shipfitter
<b>72423</b> apprentice marine repair technician	<b>72104</b> apprentice ship's plater
<b>72320</b> apprentice mason	<b>52111</b> apprentice sign painter
<b>72602</b> apprentice master - minor waters	<b>72429</b> apprentice small engine mechanic
<b>72104</b> apprentice metal fabricator	<b>72301</b> apprentice sprinkler system fitter
<b>72104</b> apprentice metal shipwright	<b>92100</b> apprentice stationary engineer
<b>72105</b> apprentice metal structure erector	<b>72301</b> apprentice steamfitter
<b>72400</b> apprentice millwright	<b>72104</b> apprentice steel fabricator
<b>83100</b> apprentice miner	<b>72104</b> apprentice structural metal and platework fabricator
<b>72500</b> apprentice mobile crane operator	<b>72104</b> apprentice structural steel and platework fitter
<b>72410</b> apprentice motor vehicle mechanic	<b>72104</b> apprentice structural steel fabricator
<b>94101</b> apprentice moulder - foundry	<b>72205</b> apprentice telephone switchman/woman
<b>32129</b> apprentice ocularist	<b>73101</b> apprentice tilesetter
<b>32100</b> apprentice optician	<b>72102</b> apprentice tinsmith
<b>72423</b> apprentice outboard motor mechanic	<b>72101</b> apprentice tool and die maker
<b>72411</b> apprentice painter - motor vehicle repair	<b>72501</b> apprentice water well driller
<b>73112</b> apprentice painter and decorator	<b>72106</b> apprentice welder
<b>72301</b> apprentice pipefitter	<b>40010</b> apprenticeship training director - government services
<b>72301</b> apprentice pipefitter-steamfitter	<b>40010</b> apprenticeship training service director - government services
<b>73102</b> apprentice plasterer	<b>80022</b> aquaculture director
<b>72300</b> apprentice plumber	<b>80022</b> aquaculture manager
<b>92100</b> apprentice power dispatcher - electrical power systems	<b>80022</b> aquaculture operator
<b>92100</b> apprentice power dispatcher	<b>85102</b> aquaculture support worker
<b>92100</b> apprentice power engineer	<b>22110</b> aquaculture technician
<b>72203</b> apprentice power line repairer	<b>85102</b> aquaculture worker
<b>72202</b> apprentice power system electrician	<b>65220</b> aquarist

<b>53100</b> aquarium interpreter	<b>21300</b> architectural engineer
<b>21110</b> aquatic biologist	<b>20011</b> architectural manager
<b>22110</b> aquatic biology technician	<b>21200</b> architectural project manager
<b>41406</b> aquatic program coordinator	<b>20011</b> architectural service manager
<b>11103</b> arbitrator	<b>21200</b> architectural standards specialist
<b>94205</b> arbor press tender - electrical equipment manufacturing	<b>22210</b> architectural technician
<b>22114</b> arboriculturist	<b>22210</b> architectural technologist
<b>22114</b> arborist	<b>41210</b> architectural technology instructor
<b>94105</b> arc cutter - metal fabrication	<b>52100</b> archival assistant
<b>72106</b> arc welder - pipeline	<b>50010</b> archival document manager
<b>72106</b> arc welder	<b>52100</b> archival management technician
<b>94111</b> arch cushion press operator - plastic manufacturing	<b>52100</b> archive assistant
<b>41409</b> archaeological consultant	<b>52100</b> archive attendant
<b>41409</b> archaeological field worker	<b>52100</b> archive technician
<b>53100</b> archaeological technician	<b>50010</b> archives chief
<b>41409</b> archaeologist	<b>14301</b> archives clerk
<b>51101</b> archaeology curator	<b>50010</b> archives director
<b>51101</b> archaeology museum curator	<b>50010</b> archives manager
<b>41200</b> archaeology professor - university	<b>51102</b> archivist
<b>41302</b> archbishop	<b>92020</b> area coordinator - motor vehicle assembly
<b>94112</b> arch-cushion-skiving machine operator	<b>92020</b> area coordinator - motor vehicle manufacturing
<b>41302</b> archdeacon	<b>41402</b> area development officer - government
<b>53200</b> archer	<b>92100</b> area dispatch chief operator - electrical power systems
<b>73209</b> archery bow finisher - sporting goods manufacturing	<b>92100</b> area dispatch chief operator
<b>73209</b> archery bow finisher	<b>92100</b> area load centre dispatcher
<b>94219</b> archery bow limb aligner	<b>10021</b> area manager - banking, credit and investment
<b>94219</b> archery bow maker	<b>70021</b> area manager - postal service
<b>73209</b> archery bow repairer - sporting goods manufacturing	<b>60020</b> area manager - retail store chain
<b>73209</b> archery bow repairer	<b>60010</b> area sales manager
<b>94219</b> archery bow string maker	<b>40021</b> area superintendent - schools
<b>21200</b> architect	<b>65211</b> arena ice patroller
<b>22300</b> architectural and engineering technologists and technicians supervisor	<b>70012</b> arena manager
<b>22210</b> architectural assistant	<b>94203</b> armature assembler - industrial electrical equipment
<b>51101</b> architectural conservator	<b>94202</b> armature bander
<b>22210</b> architectural design technician	<b>94203</b> armature coil former - industrial electrical equipment
<b>22210</b> architectural design technologist	<b>94203</b> armature coil winder - industrial electric equipment
<b>22212</b> architectural draftsman	<b>94203</b> armature inspector - industrial electrical equipment

<b>94203</b> armature insulator - industrial electrical equipment	<b>53122</b> art instructor (except primary, secondary, post-secondary education)
<b>72422</b> armature repairman/woman	<b>53122</b> art instructor
<b>94205</b> armature tester	<b>52120</b> art layout designer
<b>94203</b> armature winder - industrial electrical equipment	<b>51100</b> art librarian
<b>72422</b> armature winder repairer	<b>51101</b> art object curator
<b>64410</b> armed security guard	<b>51101</b> art objects conservator
<b>44200</b> armour defence gunner	<b>53100</b> art objects preparator
<b>40042</b> armour officer	<b>53100</b> art restoration technician
<b>64410</b> armoured car driver	<b>64100</b> art sales consultant - retail
<b>64410</b> armoured car guard	<b>64100</b> art salesperson
<b>44200</b> armoured soldier - Canadian Army	<b>60040</b> art school manager
<b>72205</b> army communication and information systems specialist	<b>41221</b> art teacher - elementary school
<b>32209</b> aromatherapist	<b>41220</b> art teacher - secondary school
<b>51121</b> arranger	<b>53122</b> art teacher (except primary, secondary and post-secondary education)
<b>94219</b> arrow assembler	<b>41301</b> art therapist
<b>94219</b> arrow point assembler	<b>41301</b> art therapists' supervisor
<b>94100</b> arsenic recovery operator	<b>41301</b> art therapy consultant
<b>55109</b> art and photography model	<b>41301</b> art therapy teacher (except education)
<b>41405</b> art coordinator - education	<b>52111</b> art work assembler
<b>51113</b> art critic	<b>41101</b> articling law student
<b>60020</b> art dealer	<b>73301</b> articulated bus operator
<b>14300</b> art department library clerk	<b>51101</b> artifact conservator
<b>51120</b> art director - graphic design	<b>32129</b> artificial eye maker
<b>51120</b> art director - motion pictures, broadcasting and performing arts	<b>53124</b> artificial flower presser
<b>51110</b> art editor	<b>65211</b> artificial ice maker - rink
<b>11202</b> art educator - museum	<b>82030</b> artificial insemination service contractor
<b>50010</b> art gallery administrator	<b>84120</b> artificial inseminator
<b>50010</b> art gallery assistant director	<b>21211</b> artificial intelligence (AI) analyst
<b>50010</b> art gallery chief curator	<b>21211</b> artificial intelligence (AI) consultant
<b>51101</b> art gallery conservator	<b>21211</b> artificial intelligence (AI) designer
<b>50010</b> art gallery coordinator	<b>21211</b> artificial intelligence analyst
<b>51101</b> art gallery curator	<b>21211</b> artificial intelligence consultant
<b>50010</b> art gallery director	<b>21232</b> artificial intelligence programmer
<b>60020</b> art gallery manager - retail	<b>32129</b> artificial limb assembler
<b>50010</b> art gallery manager assistant	<b>32129</b> artificial limb finisher
<b>50010</b> art gallery manager	<b>32129</b> artificial limb maker
<b>53100</b> art gallery preparator	<b>73101</b> artificial marble setter
<b>53100</b> art gallery registrar	<b>94219</b> artificial pearl maker
	<b>72320</b> artificial stone mason

<b>94203</b> armature insulator - industrial electrical equipment	<b>53122</b> art instructor (except primary, secondary, post-secondary education)
<b>72422</b> armature repairman/woman	<b>53122</b> art instructor
<b>94205</b> armature tester	<b>52120</b> art layout designer
<b>94203</b> armature winder - industrial electrical equipment	<b>51100</b> art librarian
<b>72422</b> armature winder repairer	<b>51101</b> art object curator
<b>64410</b> armed security guard	<b>51101</b> art objects conservator
<b>44200</b> armour defence gunner	<b>53100</b> art objects preparator
<b>40042</b> armour officer	<b>53100</b> art restoration technician
<b>64410</b> armoured car driver	<b>64100</b> art sales consultant - retail
<b>64410</b> armoured car guard	<b>64100</b> art salesperson
<b>44200</b> armoured soldier - Canadian Army	<b>60040</b> art school manager
<b>72205</b> army communication and information systems specialist	<b>41221</b> art teacher - elementary school
<b>32209</b> aromatherapist	<b>41220</b> art teacher - secondary school
<b>51121</b> arranger	<b>53122</b> art teacher (except primary, secondary and post-secondary education)
<b>94219</b> arrow assembler	<b>41301</b> art therapist
<b>94219</b> arrow point assembler	<b>41301</b> art therapists' supervisor
<b>94100</b> arsenic recovery operator	<b>41301</b> art therapy consultant
<b>55109</b> art and photography model	<b>41301</b> art therapy teacher (except education)
<b>41405</b> art coordinator - education	<b>52111</b> art work assembler
<b>51113</b> art critic	<b>41101</b> articling law student
<b>60020</b> art dealer	<b>73301</b> articulated bus operator
<b>14300</b> art department library clerk	<b>51101</b> artifact conservator
<b>51120</b> art director - graphic design	<b>32129</b> artificial eye maker
<b>51120</b> art director - motion pictures, broadcasting and performing arts	<b>53124</b> artificial flower presser
<b>51110</b> art editor	<b>65211</b> artificial ice maker - rink
<b>11202</b> art educator - museum	<b>82030</b> artificial insemination service contractor
<b>50010</b> art gallery administrator	<b>84120</b> artificial inseminator
<b>50010</b> art gallery assistant director	<b>21211</b> artificial intelligence (AI) analyst
<b>50010</b> art gallery chief curator	<b>21211</b> artificial intelligence (AI) consultant
<b>51101</b> art gallery conservator	<b>21211</b> artificial intelligence (AI) designer
<b>50010</b> art gallery coordinator	<b>21211</b> artificial intelligence analyst
<b>51101</b> art gallery curator	<b>21211</b> artificial intelligence consultant
<b>50010</b> art gallery director	<b>21232</b> artificial intelligence programmer
<b>60020</b> art gallery manager - retail	<b>32129</b> artificial limb assembler
<b>50010</b> art gallery manager assistant	<b>32129</b> artificial limb finisher
<b>50010</b> art gallery manager	<b>32129</b> artificial limb maker
<b>53100</b> art gallery preparator	<b>73101</b> artificial marble setter
<b>53100</b> art gallery registrar	<b>94219</b> artificial pearl maker
	<b>72320</b> artificial stone mason

<b>72320</b> artificial stone setter	<b>95100</b> asbestos mould stripper
<b>94219</b> artificial turf maker	<b>95100</b> asbestos moulder
<b>40042</b> artillery officer	<b>75110</b> asbestos remover
<b>44200</b> artillery soldier	<b>94130</b> asbestos rope maker
<b>53124</b> artisan	<b>94100</b> asbestos screen tender
<b>11202</b> artist agent	<b>94103</b> asbestos shingle assembler
<b>53122</b> artist	<b>94103</b> asbestos shingle cutter
<b>11202</b> artistic agent	<b>95100</b> asbestos shingle floor hand
<b>53124</b> artistic bouquet designer	<b>94104</b> asbestos shingle inspector
<b>51120</b> artistic director - motion picture	<b>94103</b> asbestos shingle maker
<b>51121</b> artistic director - music	<b>94103</b> asbestos shingle presser
<b>53124</b> artistic floral arranger	<b>94107</b> asbestos wire finisher
<b>53124</b> artistic floral bouquet designer	<b>75110</b> asbestos worker - construction
<b>53124</b> artistic floral designer	<b>95100</b> asbestos worker - mineral processing
<b>52120</b> artistic illustrator	<b>95100</b> asbestos worker
<b>53122</b> artistic painter	<b>95100</b> asbestosboard sander
<b>53122</b> artistic printmaker	<b>95100</b> asbestosboard shearer
<b>53111</b> artistic rigger	<b>94107</b> asbestos-covered wire finisher
<b>50010</b> arts administrator	<b>75101</b> ash handler
<b>54100</b> arts and crafts instructor	<b>41200</b> Asian studies professor - university
<b>54100</b> arts and crafts leader - sports and recreation	<b>73110</b> asphalt and gravel roofer
<b>54100</b> arts and crafts leader	<b>73400</b> asphalt batch plant operator
<b>41406</b> arts and crafts programs coordinator	<b>94110</b> asphalt coater - chemical processing
<b>41220</b> arts and crafts teacher - secondary school	<b>75110</b> asphalt cold patcher
<b>53124</b> arts and crafts teacher (except education)	<b>21300</b> asphalt engineer
<b>00013</b> arts and culture association chairperson	<b>94110</b> asphalt heater tender
<b>54100</b> arts and leisure leader	<b>75110</b> asphalt mixer
<b>54100</b> arts and recreation leader	<b>72021</b> asphalt paving foreman/woman
<b>00013</b> arts association executive director	<b>72021</b> asphalt paving labour gang foreman/woman
<b>94103</b> asbestos board curer	<b>94110</b> asphalt plant dryer tender
<b>94103</b> asbestos board machine operator	<b>75110</b> asphalt plant labourer - construction
<b>94103</b> asbestos board machinery setter	<b>73400</b> asphalt plant operator
<b>94103</b> asbestos brake lining finisher	<b>75110</b> asphalt raker
<b>94104</b> asbestos classifier	<b>73400</b> asphalt roller operator
<b>94100</b> asbestos dryer	<b>75110</b> asphalt roofer helper
<b>94104</b> asbestos fibre inspector and tester	<b>73110</b> asphalt roofer
<b>75110</b> asbestos fibre preparer	<b>72014</b> asphalt roofers foreman/woman
<b>94104</b> asbestos grader	<b>72014</b> asphalt roofing contractor
<b>72321</b> asbestos insulator	<b>72014</b> asphalt roofing foreman/woman
<b>92010</b> asbestos manufacturing foreman/woman	<b>94110</b> asphalt roofing material mixer
<b>94103</b> asbestos mixer tender	<b>94110</b> asphalt roofing materials inspector

<b>94219</b> asphalt roofing materials slitter operator	<b>72405</b> assembly fitter
<b>94219</b> asphalt roofing slitter operator	<b>92020</b> assembly foreman/woman - motor vehicle manufacturing
<b>73110</b> asphalt shingle roofer	<b>92023</b> assembly foreman/woman, helicopters
<b>73110</b> asphalt shingler	<b>92021</b> assembly foreman/woman, semiconductors
<b>73400</b> asphalt spreader operator	<b>94201</b> assembly inspector - electronic equipment manufacturing
<b>75110</b> asphalt spreader	<b>94210</b> assembly inspector - furniture manufacturing
<b>73400</b> asphalt street paver operator	<b>94200</b> assembly inspector - motor vehicle manufacturing
<b>75110</b> asphalt worker - road	<b>94212</b> assembly inspector - plastic manufacturing
<b>73400</b> asphalt-grooving machine operator	<b>94202</b> assembly inspector, electrical appliances
<b>73400</b> asphalt-paving machine operator	<b>94202</b> assembly lead hand - electrical equipment manufacturing
<b>73400</b> asphalt-paving screed operator	<b>94202</b> assembly lead hand, large electrical appliances
<b>43204</b> assault pioneer	<b>94202</b> assembly lead hand, small electrical appliances
<b>22101</b> assayer - mineralogy	<b>94202</b> assembly line expeditor - electrical equipment manufacturing
<b>22101</b> assayer	<b>95109</b> assembly line general labourer
<b>94210</b> assembled furniture inspector	<b>94211</b> assembly line gluer - wood products manufacturing
<b>94211</b> assembled wood products repairer	<b>94202</b> assembly line inspector - electrical equipment manufacturing
<b>94200</b> assembler - automobile assembly	<b>94212</b> assembly line inspector - plastic manufacturing
<b>94201</b> assembler - electronic equipment manufacturing	<b>94202</b> assembly line inspector and tester - electrical equipment manufacturing
<b>65320</b> assembler - laundry and dry cleaning	<b>94213</b> assembly line painter
<b>94202</b> assembler air conditioner	<b>94112</b> assembly line tire repairer
<b>72106</b> assembler tack welder	<b>94205</b> assembly machine setter - electrical equipment manufacturing
<b>94200</b> assembler-mechanic - motor vehicle manufacturing	<b>94205</b> assembly machine set-up person - electrical equipment manufacturing
<b>92013</b> assemblers foreman/woman - rubber and plastic manufacturing	<b>72405</b> assembly mechanic-fitter lead hand
<b>94211</b> assemblers lead hand - wood products manufacturing	<b>72020</b> assembly mechanics foreman/woman
<b>92015</b> assemblers supervisor - fabric, fur and leather products manufacturing	<b>94213</b> assembly painter
<b>92013</b> assemblers supervisor - rubber and plastic products manufacturing	<b>94219</b> assembly press operator
<b>93200</b> assembly and installation aircraft inspector	<b>94219</b> assembly press set-up operator
<b>92021</b> assembly and test electronic equipment manufacturing supervisor	<b>94200</b> assembly quality upgrader - motor vehicle manufacturing
<b>92021</b> assembly and test foreman/woman - electronics manufacturing	<b>92021</b> assembly supervisor - electronic equipment manufacturing
<b>92021</b> assembly and test supervisor - electronics manufacturing	<b>92020</b> assembly supervisor - motor vehicle manufacturing
<b>92021</b> assembly and test supervisor	<b>94201</b> assembly tester - electronic equipment manufacturing
<b>92021</b> assembly and testing supervisor - electronic equipment manufacturing	
<b>92020</b> assembly coordinator - motor vehicle manufacturing	



<b>92020</b> assembly zone supervisor - motor vehicle manufacturing	<b>53123</b> assistant costume designer
<b>12104</b> assessing officer - taxation	<b>10019</b> assistant court registrar
<b>12104</b> assessing unit head - taxation	<b>10021</b> assistant credit manager
<b>14200</b> assessment clerk	<b>41101</b> Assistant Crown Attorney
<b>12011</b> assessment clerks supervisor	<b>51101</b> assistant curator
<b>12203</b> assessor (except tax)	<b>40020</b> assistant dean - college or university
<b>10010</b> assigned public accountants chief	<b>60020</b> assistant department manager - retail
<b>12011</b> assistant accountant	<b>10019</b> assistant deputy court registrar
<b>10010</b> assistant accounting manager	<b>00011</b> assistant deputy minister - government services
<b>30010</b> assistant administrator for nursing	<b>00011</b> assistant deputy minister
<b>52120</b> assistant animator - animated films	<b>40040</b> assistant deputy police chief
<b>12203</b> assistant appraiser	<b>94121</b> assistant digester operator - pulp and paper
<b>51102</b> assistant archivist	<b>51120</b> assistant director - motion pictures, broadcasting and performing arts
<b>50010</b> assistant art gallery administrator	<b>50010</b> assistant director of archives
<b>50010</b> assistant art gallery director	<b>50010</b> assistant director of historical park
<b>12011</b> assistant bank accountant	<b>30010</b> assistant director of nursing services
<b>60030</b> assistant bar manager	<b>30010</b> assistant director of nursing
<b>94152</b> assistant binder	<b>40012</b> assistant director of school services - public administration
<b>94121</b> assistant bleacher operator - pulp and paper	<b>40012</b> assistant director of school services
<b>94152</b> assistant bookbinder	<b>51120</b> assistant director
<b>10021</b> assistant branch manager - banking, credit and investment	<b>40021</b> assistant district school superintendent
<b>11202</b> assistant brand manager - advertising	<b>83101</b> assistant driller - offshore drilling rig
<b>94140</b> assistant brewer - food and beverage processing	<b>83101</b> assistant driller - oil and gas well drilling
<b>62101</b> assistant buyer	<b>51110</b> assistant editor
<b>52110</b> assistant camera operator	<b>72603</b> assistant engineer - water transport
<b>32123</b> assistant cardiology supervisor	<b>00012</b> assistant executive director - financial, communications and other business services
<b>62200</b> assistant chef	<b>00015</b> assistant executive director - goods production, utilities, transportation and construction
<b>40010</b> assistant chief health inspector - government services	<b>00011</b> assistant executive director - government services
<b>40040</b> assistant chief inspector - police	<b>00013</b> assistant executive director - health, education, social and community services and membership organizations
<b>00011</b> assistant chief statistician - government services	<b>62021</b> assistant executive housekeeper
<b>94121</b> assistant coating operator - pulp and paper	<b>11101</b> assistant financial analyst
<b>00011</b> assistant comptroller general - government services	<b>12011</b> assistant financial institution accountant - financial services
<b>10021</b> assistant consumer credit manager	<b>62201</b> assistant funeral director
<b>11100</b> assistant controller	<b>70020</b> assistant general agent - railway
<b>63200</b> assistant cook	<b>00011</b> assistant general director - government services
<b>10021</b> assistant corporate banking services manager	
<b>41101</b> assistant corporate counsel	

<b>41101</b> assistant general solicitor	<b>40021</b> assistant school district superintendent
<b>70012</b> assistant grain elevator manager	<b>70012</b> assistant shopping centre manager
<b>22111</b> assistant grain inspector	<b>70012</b> assistant shopping mall manager
<b>31300</b> assistant head nurse	<b>52113</b> assistant sound editor
<b>62021</b> assistant housekeeping manager	<b>70020</b> assistant superintendent - railway
<b>41101</b> assistant legal advisor	<b>40021</b> assistant superintendent of schools
<b>60031</b> assistant manager - accommodation services	<b>82021</b> assistant toolpusher - offshore drilling rig
<b>60030</b> assistant manager - food services	<b>70020</b> assistant traffic manager - transportation
<b>60020</b> assistant manager - food store	<b>72203</b> assistant transmission lineman/woman - electric power systems
<b>60020</b> assistant manager - retail trade	<b>70020</b> assistant transportation manager
<b>60020</b> assistant manager - retail	<b>10010</b> assistant treasurer - finances
<b>60020</b> assistant manager - wholesale trade	<b>00011</b> assistant undersecretary of state
<b>94140</b> assistant miller - food and beverage processing	<b>12202</b> assistant underwriter - insurance
<b>41302</b> assistant minister - religion	<b>10010</b> assistant vice-president - financial, communications and other business services
<b>50010</b> assistant museum administrator	<b>90010</b> assistant vice-president - goods production, utilities and transport
<b>51101</b> assistant museum curator	<b>40019</b> assistant vice-president - government services
<b>50010</b> assistant museum director	<b>40030</b> assistant vice-president - health, education, social and community services and membership organizations
<b>52100</b> assistant music librarian	<b>10029</b> assistant vice-president - trade, broadcasting and other services
<b>94151</b> assistant newspaper make-up man/woman	<b>65200</b> assistant waiter/waitress - food and beverage services
<b>30010</b> assistant nursing services administrator	<b>70012</b> assistant warehouse manager
<b>82021</b> assistant offshore drilling rig superintendent	<b>32109</b> assistive listening device technician
<b>10021</b> assistant operations manager - banking, credit and investment	<b>21210</b> associate actuary
<b>93101</b> assistant operator - chemical processing	<b>63101</b> associate broker - real estate
<b>32102</b> assistant paramedic	<b>41100</b> associate chief justice
<b>62022</b> assistant passenger service coordinator - railway	<b>41101</b> associate counsel
<b>13102</b> assistant paymaster	<b>51110</b> associate editor
<b>12101</b> assistant personnel officer	<b>11102</b> associate financial advisor
<b>82021</b> assistant platform superintendent	<b>11102</b> associate investment advisor
<b>40040</b> assistant police commissioner	<b>41101</b> associate lawyer
<b>72025</b> assistant postmaster/mistress	<b>41101</b> associate legal advisor
<b>73401</b> assistant press operator - printing	<b>41101</b> associate legal counsel
<b>11202</b> assistant press secretary	<b>51100</b> associate librarian
<b>73401</b> assistant pressman/woman - printing	<b>41200</b> associate professor - university
<b>73401</b> assistant pressman/woman	<b>40020</b> associate registrar
<b>40021</b> assistant principal	<b>40021</b> associate superintendent - schools
<b>41200</b> assistant professor - university	<b>40030</b> association director
<b>41101</b> assistant regional counsel	
<b>10021</b> assistant regional manager - banking	
<b>53100</b> assistant registrar - museum	

<b>00013</b> association executive director	<b>64101</b> auctioneer
<b>40030</b> association manager	<b>22310</b> audio amplifier repairer - production
<b>21110</b> astrobiologist	<b>21310</b> audio engineer - electricity and electronics
<b>65229</b> astrologer	<b>52113</b> audio engineer - recording studio
<b>65229</b> astrologist	<b>64100</b> audio equipment consultant - retail
<b>21109</b> astronaut	<b>64100</b> audio equipment salesperson
<b>21100</b> astronomer	<b>60020</b> audio equipment store manager
<b>41200</b> astronomy professor - university	<b>52113</b> audio operator assistant
<b>21100</b> astrophysicist	<b>52113</b> audio operator
<b>11202</b> athlete agent	<b>52113</b> audio recording studio operator
<b>53200</b> athlete	<b>22311</b> audio stereo technician
<b>11202</b> athletes manager	<b>52113</b> audio technician
<b>53201</b> athletic boxing trainer	<b>32109</b> audiological technician
<b>62029</b> athletic club attendant supervisor	<b>31112</b> audiologist
<b>65211</b> athletic equipment attendant	<b>31112</b> audiology clinician
<b>65211</b> athletic equipment custodian	<b>31112</b> audiology specialist
<b>70012</b> athletic facility manager	<b>32109</b> audiology technician
<b>31204</b> athletic therapist	<b>33109</b> audiometric aide
<b>31204</b> athletic trainer - therapy	<b>33109</b> audiometric assistant
<b>53201</b> athletics coach	<b>33109</b> audiometric technician
<b>54100</b> athletics instructor	<b>32109</b> audiometrician
<b>53202</b> athletics judge	<b>32109</b> audiometrist
<b>53201</b> athletics team coach	<b>22311</b> audio-video repair technician
<b>21101</b> atmospheric chemist	<b>22311</b> audio-video service technician
<b>21100</b> atmospheric physicist	<b>53111</b> audiovisual (AV) assistant - motion pictures and broadcasting
<b>94219</b> atomic fuel bundle assembler	<b>53111</b> audiovisual (AV) assistant
<b>94212</b> atomizer cap machine tender	<b>22311</b> audiovisual (AV) equipment installer and repairer
<b>95100</b> atomizer operator - primary metal and mineral products processing	<b>22311</b> audiovisual (AV) equipment repair supervisor
<b>41407</b> attaché	<b>51120</b> audiovisual (AV) producer
<b>65211</b> attendance checker	<b>52113</b> audiovisual (AV) technician
<b>12010</b> attendance records supervisor	<b>65210</b> audiovisual helper
<b>44101</b> attendant for persons with a visual impairment - home care	<b>10010</b> audit and compliance director
<b>44101</b> attendant for persons with disabilities - home care	<b>14200</b> audit clerk
<b>00010</b> attorney general	<b>10029</b> audit firm manager
<b>41101</b> attorney	<b>12104</b> audit reviewer - taxation
<b>41101</b> attorney-at-law	<b>11100</b> audit unit head - taxation
<b>41101</b> attorney's assistant chief agent	<b>14200</b> auditing clerk
<b>44100</b> au pair	<b>10010</b> auditing department manager
<b>14100</b> auction clerk	<b>10029</b> auditing firm manager

<b>11100</b> auditor - finance	<b>72106</b> automated welding machine operator - flash butt process
<b>11100</b> auditor-chartered accountant (CA)	<b>74200</b> automatic anchor-applicator operator - railway
<b>11100</b> auditors supervisor	<b>94132</b> automatic basting sewing machine operator
<b>32209</b> auriculotherapist	<b>94107</b> automatic bolt machine operator
<b>51111</b> author	<b>94122</b> automatic carton maker - paper converting
<b>51121</b> author-composer-performer	<b>94122</b> automatic carton-making machine operator - paper converting
<b>14301</b> authorization clerk	<b>94101</b> automatic casting machine operator - foundry
<b>11202</b> author's agent	<b>94107</b> automatic coil machine operator
<b>94200</b> auto assembly worker	<b>94205</b> automatic coil winder - electrical equipment manufacturing
<b>72411</b> auto body and collision technician	<b>94202</b> automatic coil winder operator - electrical equipment manufacturing
<b>72411</b> auto body appraiser	<b>94107</b> automatic coiling machine operator - metal products manufacturing
<b>72411</b> auto body damage estimator	<b>94201</b> automatic component-assembly-machine operator - electronic equipment manufacturing
<b>72411</b> auto body estimator	<b>94105</b> automatic cut-off operator - metal fabrication
<b>72411</b> auto body mechanic	<b>94105</b> automatic cut-off saw operator - metal products manufacturing
<b>72411</b> auto body repair planner	<b>73200</b> automatic door system installer and servicer
<b>72411</b> auto body repairer	<b>73200</b> automatic door system installer
<b>72106</b> auto body solderer	<b>73200</b> automatic door system servicer
<b>72411</b> auto body technician - collision	<b>94120</b> automatic edger operator - sawmill
<b>72411</b> auto body technician - refinishing	<b>94131</b> automatic embroidery machine tender
<b>72411</b> auto body technician	<b>73200</b> automatic garage door installer
<b>72411</b> auto body worker	<b>94102</b> automatic glass-cutting table operator
<b>65311</b> auto care worker	<b>94103</b> automatic jigger man/woman - clay products
<b>60020</b> auto dealership manager	<b>94103</b> automatic jigger operator - clay products
<b>65311</b> auto detailer	<b>72400</b> automatic knitting machine pattern setter
<b>72411</b> auto glass installer	<b>94219</b> automatic lathe operator - clock
<b>60020</b> auto glass repair shop manager	<b>94107</b> automatic machine metal polisher
<b>94200</b> auto parts assembler	<b>95101</b> automatic machine polisher - metal products manufacturing
<b>14401</b> auto parts clerk - retail	<b>94101</b> automatic moulding machine operator - foundry
<b>72100</b> auto parts machine shop inspector	<b>94124</b> automatic nailing machine operator - woodworking
<b>60020</b> auto rustproofing shop manager	<b>94213</b> automatic paint-sprayer operator
<b>94110</b> autoclave operator - chemical processing	<b>75101</b> automatic pallet equipment operator
<b>94130</b> autoclave tender - textile manufacturing	<b>94122</b> automatic paper-cutting machine operator - paper converting
<b>43109</b> auto-driving instructor	<b>72400</b> automatic pinsetting machine installer and repairer
<b>94151</b> automated letterer-engraver	
<b>94106</b> automated machine tool set-up operator	
<b>94219</b> automated sphere-polishing machine operator	
<b>75101</b> automated storage and retrieval system operator	
<b>92100</b> automated substation operator - electrical power systems	
<b>94219</b> automated valve assembler	

<b>94130</b> automatic quiller tender - textile manufacturing	<b>75119</b> automobile body repairer helper
<b>95100</b> automatic scrap washer operator	<b>72411</b> automobile body repairman/woman
<b>94106</b> automatic screw machine operator	<b>75119</b> automobile bumper straightener
<b>94102</b> automatic sealing gun operator - glass	<b>73300</b> automobile carrier driver
<b>94132</b> automatic sewing machine operator	<b>12201</b> automobile claims technical adjuster
<b>94124</b> automatic shaper operator - woodworking	<b>65311</b> automobile cleaner
<b>94130</b> automatic spooler operator - textile manufacturing	<b>72411</b> automobile damage repair estimator
<b>94131</b> automatic stocking loom tender	<b>64409</b> automobile dealerships service representative
<b>14201</b> automatic teller machine (ATM) clerk	<b>94213</b> automobile dipper-painter
<b>64410</b> automatic teller machine (ATM) guard	<b>60040</b> automobile driver training school manager
<b>22311</b> automatic teller machine (ATM) servicer	<b>60040</b> automobile driving school manager
<b>94106</b> automatic transfer machine operator - metal machining	<b>94200</b> automobile engine tester - automobile assembly
<b>72410</b> automatic transmission mechanic - motor vehicle	<b>94200</b> automobile final inspector - automobile assembly
<b>72410</b> automatic transmission technician - motor vehicles	<b>94204</b> automobile gear assembler
<b>94129</b> automatic veneer clipper tender - wood processing	<b>94200</b> automobile hood assembler - motor vehicle manufacturing
<b>94130</b> automatic warper tender - textile manufacturing	<b>94200</b> automobile inspector - motor vehicle manufacturing
<b>72106</b> automatic welding machine operator	<b>94200</b> automobile inspector and tester - motor vehicle manufacturing
<b>94201</b> automatic wire-wrapping machine tender - electronic equipment manufacturing	<b>63100</b> automobile insurance agent
<b>94130</b> automatic yarn winder	<b>63100</b> automobile insurance salesman/woman
<b>21310</b> automation engineer - electrical and electronic systems	<b>90010</b> automobile interior fittings production manager
<b>21231</b> automation engineer - software	<b>64100</b> automobile leasing agent
<b>20010</b> automation engineering manager	<b>64100</b> automobile leasing representative
<b>51100</b> automation librarian	<b>74203</b> automobile lubricator
<b>22301</b> automation technician	<b>72410</b> automobile mechanic
<b>22301</b> automation technologist	<b>72020</b> automobile mechanics foreman/woman
<b>94200</b> automobile accessories installer and repairer	<b>94213</b> automobile painter - motor vehicle manufacturing
<b>94200</b> automobile accessories installer	<b>14401</b> automobile parts counter sales clerk - retail
<b>64100</b> automobile accessories salesperson - retail	<b>72411</b> automobile polisher-sander - motor vehicle repair
<b>12202</b> automobile and home insurance consultant	<b>90010</b> automobile production manager
<b>12203</b> automobile appraiser	<b>53200</b> automobile racer
<b>94200</b> automobile assembler	<b>94200</b> automobile radio and accessories installer - motor vehicle manufacturing
<b>92020</b> automobile assembly foreman/woman	<b>60020</b> automobile repair garage manager
<b>94213</b> automobile assembly line painter	<b>60020</b> automobile repair shop manager
<b>94213</b> automobile assembly painter	<b>43200</b> automobile reposessor
<b>94200</b> automobile assembly worker	<b>64100</b> automobile sales representative - retail
<b>00013</b> automobile association executive director	<b>64100</b> automobile salesperson

<b>72410</b> automobile service mechanic	<b>72020</b> automotive engine repair foreman/woman
<b>60020</b> automobile servicing manager	<b>21301</b> automotive engineer
<b>92013</b> automobile tire builders foreman/woman	<b>72411</b> automotive glass technician
<b>73300</b> automobile transport driver	<b>72010</b> automotive machine shop foreman/woman
<b>12202</b> automobile underwriter - insurance	<b>72100</b> automotive machinist
<b>63221</b> automobile upholsterer	<b>73209</b> automotive maintenance equipment servicer
<b>73209</b> automobile wrecker	<b>75119</b> automotive mechanic helper
<b>64100</b> automobile-rental counter representative	<b>72410</b> automotive mechanic
<b>72410</b> automotive air conditioning mechanic	<b>72410</b> automotive mechanical repairer
<b>94200</b> automotive assembler - motor vehicle manufacturing	<b>72411</b> automotive painter - motor vehicle repair
<b>72411</b> automotive body mechanic	<b>72411</b> automotive painter apprentice
<b>72411</b> automotive body painter	<b>72411</b> automotive painting and refinishing technician
<b>72020</b> automotive body repair foreman/woman	<b>72411</b> automotive painting technician
<b>72020</b> automotive body repair shop supervisor	<b>14401</b> automotive parts clerk - retail
<b>72411</b> automotive body repairer	<b>64101</b> automotive parts sales representative - wholesale (non-technical)
<b>72411</b> automotive body repairer-painter	<b>64101</b> automotive parts salesperson - wholesale
<b>72020</b> automotive body shop foreman/woman	<b>14401</b> automotive partsperson - retail
<b>72020</b> automotive body shop supervisor	<b>14401</b> automotive partsperson apprentice
<b>72411</b> automotive body technician	<b>94204</b> automotive production fitter
<b>72410</b> automotive brake mechanic	<b>94204</b> automotive radiator assembler
<b>72410</b> automotive brake repairer	<b>74203</b> automotive radiator installer
<b>72410</b> automotive brake specialist	<b>72410</b> automotive radiator mechanic apprentice
<b>72410</b> automotive carburetor mechanic	<b>72410</b> automotive radiator mechanic
<b>73209</b> automotive dismantler	<b>72410</b> automotive radiator repairer
<b>94212</b> automotive door panelling assembler - plastic products manufacturing	<b>72411</b> automotive refinishing technician
<b>72410</b> automotive drivetrain technician	<b>72020</b> automotive repair and service shop supervisor
<b>72410</b> automotive electrical and tune-up service technician	<b>41210</b> automotive repair instructor - community college
<b>72410</b> automotive electrical mechanic	<b>72411</b> automotive repair shop estimator
<b>72410</b> automotive electrical technician	<b>64409</b> automotive repair technical advisor
<b>75119</b> automotive electrician helper	<b>72410</b> automotive repairer
<b>94200</b> automotive electronic accessories installer and repairer - motor vehicle manufacturing	<b>94112</b> automotive rubber parts cutter
<b>94204</b> automotive engine accessories assembler	<b>72020</b> automotive service mechanics foreman/woman
<b>94204</b> automotive engine assembler	<b>72020</b> automotive service mechanics supervisor
<b>72410</b> automotive engine mechanic inspector	<b>72410</b> automotive service technician - electrical and fuel systems
<b>94200</b> automotive engine quality control inspector - motor vehicle manufacturing	<b>72410</b> automotive service technician - fuel and electronics systems
<b>94200</b> automotive engine quality control inspector	<b>72410</b> automotive service technician - steering, suspension and brakes
<b>94204</b> automotive engine quality-control assembly inspector	<b>72410</b> automotive service technician - transmission

<b>72410</b> automotive service technician apprentice	<b>72404</b> aviation mechanical component shop technician
<b>72410</b> automotive service technician	<b>32129</b> aviation medicine technician
<b>74203</b> automotive shock absorber installer	<b>94213</b> aviation painter
<b>72410</b> automotive technician - air conditioning system	<b>14401</b> aviation partsperson
<b>72410</b> automotive technician - automatic transmission systems	<b>40020</b> aviation school manager
<b>72410</b> automotive technician - brakes systems	<b>22313</b> aviation systems technician - Canadian Armed Forces
<b>72410</b> automotive technician - electrical and electronic systems	<b>72106</b> aviation welding technician
<b>72410</b> automotive technician - engine and fuel systems	<b>44200</b> aviator - Royal Canadian Air Force
<b>72410</b> automotive technician - front-end systems	<b>22313</b> avionics and electronics calibration specialist
<b>72410</b> automotive technician - fuel systems	<b>94201</b> avionics assembler
<b>72410</b> automotive technician - standard transmission systems	<b>21310</b> avionics engineer
<b>72410</b> automotive technician - transmission systems	<b>94201</b> avionics equipment assembler
<b>72020</b> automotive testing shop supervisor	<b>22313</b> avionics inspector
<b>63221</b> automotive upholsterer	<b>22313</b> avionics maintenance technician
<b>72410</b> automotive vehicle tester	<b>22313</b> avionics mechanic
<b>72410</b> automotive vehicle testing mechanic	<b>12013</b> avionics service supervisor
<b>94203</b> automotive wiring harness inspector - industrial electrical equipment	<b>22313</b> avionics systems installer
<b>72422</b> automotive-generator and starter repairer	<b>22313</b> avionics technician
<b>64100</b> automotives sales consultant	<b>73209</b> awning and tent repairer
<b>33109</b> autopsy assistant	<b>73200</b> awning erector
<b>33109</b> autopsy attendant	<b>94219</b> awning frame assembler
<b>31100</b> autopsy pathologist	<b>75110</b> awning installer helper
<b>33109</b> autopsy technician	<b>73200</b> awning installer
<b>32120</b> autopsy technologist	<b>94200</b> axle assembler - automobile assembly
<b>94100</b> auxiliary equipment operator - primary metal processing	<b>94107</b> axle cutter
<b>92100</b> auxiliary equipment operator	<b>94106</b> axle lathe operator
<b>92100</b> auxiliary plant operator	<b>94131</b> Axminster carpet weaver
<b>22214</b> avalanche controller	<b>32209</b> ayurvedic practitioner
<b>22214</b> avalanche observer	
<b>22214</b> avalanche technician	
<b>31103</b> avian veterinarian	
<b>51101</b> aviation and space museum curator	
<b>22313</b> aviation electrical components technician	
<b>22313</b> aviation electronic components technician	
<b>22313</b> aviation instrument technician	
<b>72100</b> aviation machinist	
<b>72404</b> aviation maintenance inspector	
	<b>B</b>
	<b>94219</b> baby carriage assembler
	<b>92024</b> baby carriage assembly foreman/woman
	<b>42202</b> baby-care worker assistant
	<b>42202</b> baby-care worker
	<b>42202</b> baby-care workers supervisor
	<b>44100</b> babysitter - fitness centre
	<b>44100</b> babysitter - shopping centre
	<b>44100</b> babysitter
	<b>44100</b> babysitting caregiver

<b>64321</b> baccarat croupier	<b>65210</b> baggage porter
<b>95109</b> back padder - furniture manufacturing	<b>64312</b> baggage tracer - airline
<b>94112</b> back strip machine tender - rubber products manufacturing	<b>64312</b> baggage tracing agent - airline
<b>94130</b> back tender - cloth printing	<b>95106</b> bagger - food and beverage processing
<b>21231</b> backend engineer	<b>65320</b> bagger - laundry and dry cleaning
<b>21234</b> back-end web developer	<b>65102</b> bagger
<b>84100</b> backfill plant operator - underground mining	<b>95109</b> bagging machine feeder
<b>84100</b> backfiller - underground mining	<b>94140</b> bagging machine setter - food and beverage processing
<b>52120</b> background artist	<b>94140</b> bagging machine set-up man - food and beverage processing
<b>72401</b> backhoe mechanic	<b>94140</b> bagging machine set-up man/woman - food and beverage processing
<b>73400</b> backhoe operator	<b>95100</b> baghouse attendant - mineral processing
<b>94110</b> backing-in machine tender	<b>94100</b> baghouse operator
<b>94201</b> backplane and frame wiring operator	<b>94111</b> bag-making machine operator - plastic manufacturing
<b>51122</b> back-up musician	<b>94122</b> bag-making machine set-up operator - paper converting
<b>94140</b> bacon curer	<b>95103</b> bag-making machine tender helper
<b>94143</b> bacon grader	<b>43200</b> bailiff
<b>22110</b> bacteriological technician	<b>94111</b> bakelite mixer operator - plastic manufacturing
<b>22110</b> bacteriological technologist	<b>94140</b> Bake-off equipment tender - food and beverage processing
<b>21110</b> bacteriologist - animal health	<b>63202</b> baker - retail
<b>21110</b> bacteriologist	<b>63202</b> baker apprentice
<b>41200</b> bacteriology professor - university	<b>95106</b> baker helper
<b>53200</b> badminton player	<b>63202</b> baker
<b>65102</b> bag clerk	<b>65102</b> bakery assistant - food store
<b>95109</b> bag liner - packaging	<b>63202</b> bakery bench hand
<b>94111</b> bag machine operator	<b>64100</b> bakery clerk
<b>53124</b> bag maker - arts and crafts	<b>64100</b> bakery counter clerk
<b>94122</b> bag maker - paper converting	<b>75201</b> bakery deliveryman/woman
<b>94122</b> bag repairer - paper products	<b>60020</b> bakery department manager
<b>94132</b> bag sewer - textile manufacturing	<b>92012</b> bakery foreman/woman - food and beverage processing
<b>63202</b> bagel baker	<b>64100</b> bakery goods sales clerk
<b>63202</b> bagel maker	<b>95106</b> bakery labourer
<b>64312</b> baggage agent - airline	<b>94140</b> bakery machine operator - food and beverage processing
<b>64313</b> baggage agent - railway	<b>72400</b> bakery machinery mechanic
<b>64313</b> baggage agent (except airline)	<b>60020</b> bakery manager - food store
<b>64313</b> baggage clerk (except airline)	<b>60020</b> bakery manager - retail
<b>62022</b> baggage handler supervisor	
<b>65210</b> baggage handler	
<b>74202</b> baggage loader - air transport	
<b>65210</b> baggage master	
<b>62022</b> baggage porter supervisor	



<b>92012</b> bakery plant supervisor	<b>94131</b> ball fringe machine tender
<b>95106</b> bakery products bander	<b>92010</b> ball mill foreman/woman - mineral products processing
<b>95106</b> bakery products divider - food and beverage processing	<b>95100</b> ball mill helper - mineral products processing
<b>95106</b> bakery products packager	<b>95100</b> ball mill labourer - mineral products processing
<b>95106</b> bakery products wrapper	<b>94100</b> ball mill operator
<b>75201</b> bakery route salesman/woman	<b>95100</b> ball mill worker - mineral products processing
<b>63202</b> bakery supervisor - retail	<b>95109</b> ball weigher - toy manufacturing
<b>62010</b> bakery supervisor - supermarket	<b>84101</b> ballast control operator - offshore drilling rig
<b>63202</b> bakery supervisor	<b>74200</b> ballast regulator operator - railway
<b>92012</b> baking and confectionery making foreman/woman	<b>94202</b> ballast transformer assembler
<b>92012</b> baking foreman/woman - food and beverage processing	<b>94202</b> ballast transformer tester
<b>53124</b> balalaika maker	<b>74200</b> ballast-equalizer operator - railway
<b>14200</b> balance clerk	<b>74200</b> ballast-leveller operator - railway
<b>94205</b> balancing machine operator - electrical equipment manufacturing	<b>53120</b> ballerina
<b>94205</b> balancing machine operator - small electric motors	<b>50011</b> ballet company director
<b>94205</b> balancing machine tender - electrical equipment manufacturing	<b>53120</b> ballet dancer
<b>95100</b> balcony labourer - glass manufacturing	<b>53120</b> ballet master
<b>95100</b> balcony worker - glass manufacturing	<b>53120</b> ballet teacher
<b>94130</b> bale breaker - textile manufacturing	<b>72100</b> ballistic laboratory machinist
<b>95105</b> bale checker - textile processing	<b>21109</b> ballisticians
<b>94130</b> bale-breaker tender - textile manufacturing	<b>21109</b> ballistics examiner
<b>84120</b> baler - agriculture	<b>95104</b> balloon collar roller - rubber products manufacturing
<b>94121</b> baler - pulp and paper	<b>95104</b> balloon form stripper and cleaner - rubber products manufacturing
<b>95109</b> baler tender - packaging	<b>95104</b> balloon leacher and curer - rubber products manufacturing
<b>95109</b> baler tender	<b>64322</b> balloon pilot
<b>94121</b> balerman/woman - pulp and paper	<b>94150</b> balloon printer
<b>95109</b> balerworker	<b>53120</b> ballroom dancing teacher
<b>84120</b> baling machine operator - farm	<b>94112</b> banbury machine operator - rubber products manufacturing
<b>95104</b> baling machine tender - rubber and plastic products manufacturing	<b>94111</b> banbury mixer operator - plastic manufacturing
<b>95109</b> baling press tender - printing	<b>94112</b> banbury mixer operator - rubber products manufacturing
<b>94121</b> baling press tender - pulp and paper	<b>94111</b> banbury operator - plastic manufacturing
<b>95104</b> baling press tender - rubber and plastic products manufacturing	<b>94112</b> banbury operator - rubber products manufacturing
<b>92023</b> ball and roller-bearings assembly foreman/woman	<b>13100</b> band administrator
<b>94219</b> ball bearing inspector	<b>94112</b> band assembler - rubber products manufacturing
<b>94219</b> ball bearing tester	<b>51121</b> band conductor

<b>51121</b> band director	<b>65200</b> banquet headwaiter/headwaitress
<b>00011</b> band manager - First Nations	<b>60030</b> banquet manager
<b>95109</b> band nailer - wood products	<b>65210</b> banquet porter
<b>94124</b> band resaw operator - woodworking	<b>65200</b> banquet server
<b>94124</b> band rip saw operator - woodworking	<b>65200</b> banquet waiter/waitress
<b>94124</b> band saw operator - woodworking	<b>94211</b> banquet assembler - wood product manufacturing
<b>94124</b> band saw tender - woodworking	<b>64301</b> bar attendant
<b>94124</b> band scroll saw operator - woodworking	<b>65201</b> bar helper
<b>94112</b> band stock preparer - rubber products manufacturing	<b>60030</b> bar manager
<b>95106</b> banding machine tender - tobacco products	<b>93100</b> bar mill finisher - primary metal processing
<b>94124</b> banding machine tender - woodworking	<b>65200</b> bar service waiter/waitress
<b>94131</b> band-knitting machine operator	<b>64301</b> bar steward
<b>51121</b> bandmaster	<b>94107</b> barbed wire machine tender
<b>75101</b> bandoleer packer - explosives manufacturing	<b>63210</b> barber apprentice
<b>95109</b> bandoleer straightener-stamper	<b>60040</b> barber shop manager
<b>94124</b> band-sawing machine tender - woodworking	<b>63210</b> barber
<b>11100</b> bank branch accountant	<b>11200</b> bargaining agent
<b>10021</b> bank branch manager	<b>75210</b> barge captain
<b>14201</b> bank clerk	<b>74201</b> barge deckhand
<b>12011</b> bank clerks supervisor	<b>75100</b> barge loader
<b>00012</b> bank credit vice-president	<b>75210</b> barge operator
<b>64400</b> bank customer service officer	<b>65201</b> barista
<b>10021</b> bank director	<b>51122</b> baritone
<b>11109</b> bank inspector	<b>64301</b> barkeeper
<b>10021</b> bank manager	<b>94129</b> barker operator
<b>74102</b> bank messenger	<b>95103</b> barking machine cleaner - wood processing
<b>52120</b> bank note designer	<b>94129</b> barking machine operator - wood processing
<b>00012</b> bank president	<b>64301</b> barmaid
<b>11100</b> bank reserves auditor	<b>64301</b> barman/barwoman
<b>74102</b> bank runner	<b>85100</b> barn worker
<b>64400</b> bank teller	<b>94219</b> barometer assembler
<b>10021</b> banking accounts manager	<b>94124</b> barrel assembler
<b>63102</b> banking accounts officer	<b>95109</b> barrel charrer
<b>11102</b> banking advisor	<b>95106</b> barrel cleaner - food and beverage processing
<b>10021</b> banking centre manager	<b>94124</b> barrel cooper - woodworking
<b>10021</b> banking operations manager	<b>94124</b> barrel end machine tender - woodworking
<b>11100</b> bankruptcy trustee	<b>94124</b> barrel end sawyer
<b>65200</b> banquet captain	<b>95106</b> barrel filler - food and beverage processing
<b>62200</b> banquet chef	<b>94124</b> barrel heading sawyer
<b>63200</b> banquet cook	<b>94211</b> barrel inspector - wood products manufacturing

<b>94106</b> barrel rifler	<b>95102</b> batch dryer tender helper
<b>95109</b> barrel stave leveller - wood products manufacturing	<b>94130</b> batch dyer - textile manufacturing
<b>95109</b> barrel straightener	<b>94110</b> batch mixer - chemical processing
<b>41101</b> barrister and solicitor	<b>93102</b> batch operator - pulp and paper
<b>41101</b> barrister	<b>94102</b> batch plant tender - glass
<b>94100</b> bar-straightening machine operator - metal processing	<b>94121</b> batch process cook - pulp and paper
<b>65201</b> bartender helper	<b>94110</b> batch still operator
<b>64301</b> bartender	<b>93101</b> batching chemical process operator
<b>64301</b> bartenders supervisor	<b>93101</b> batching process chief operator
<b>94205</b> base filler - electrical equipment manufacturing	<b>94130</b> bather - hide and pelt processing
<b>94219</b> baseball centre winder	<b>95102</b> bath mix solvent recoverer
<b>53201</b> baseball coach	<b>73200</b> bathtub liner installer
<b>95109</b> baseball glove shaper	<b>94213</b> bathtub refinisher
<b>94219</b> baseball maker	<b>94213</b> bathtub varnisher
<b>53201</b> baseball manager-coach	<b>53124</b> batik artisan
<b>53200</b> baseball player	<b>53120</b> baton twirling instructor
<b>53201</b> baseball scout	<b>94140</b> batter and dough mixer - food and beverage processing
<b>53201</b> baseball team coach	<b>75110</b> batterboard setter
<b>94205</b> base-filling machine operator - electrical equipment manufacturing	<b>94110</b> battery acid adjuster
<b>94201</b> base-filling machine operator - electronic equipment manufacturing	<b>95109</b> battery acid dumper
<b>94205</b> base-filling machine tender - electrical equipment manufacturing	<b>94205</b> battery assembler
<b>94142</b> basket filter tender - fish and seafood processing	<b>94205</b> battery case inspector and tester - electrical equipment manufacturing
<b>94124</b> basket machine operator - woodworking	<b>94205</b> battery case inspector and tester
<b>73200</b> basket weave fence erector	<b>94205</b> battery charger - electrical equipment manufacturing
<b>53124</b> basket weaver	<b>94205</b> battery charger assembler
<b>94219</b> basketball coverer	<b>94205</b> battery charger operator - electrical equipment manufacturing
<b>53200</b> basketball player	<b>94200</b> battery installer - motor vehicle manufacturing
<b>53201</b> basketball scout	<b>95101</b> battery lead burner helper
<b>53201</b> basketball team coach	<b>72106</b> battery lead burner
<b>51122</b> bass drum teacher - private, conservatory or studio lessons	<b>72106</b> battery lead-burner operator
<b>51122</b> bass player	<b>95105</b> battery loader - textile processing
<b>51122</b> bass	<b>94205</b> battery maker
<b>51122</b> bassoon teacher - private, conservatory or studio lessons	<b>93101</b> battery operator - oil and gas
<b>94132</b> basting machine operator - sewing	<b>94110</b> battery paste maker
<b>94121</b> batch digester operator	<b>94110</b> battery paste mixer
	<b>95109</b> battery plate offbearer
	<b>94130</b> batting machine tender - textile manufacturing
	<b>54100</b> beach lifeguard

<b>75210</b> beachcomber	<b>65109</b> beauty products consultant - door-to-door sales
<b>95104</b> bead picker - rubber products manufacturing	<b>65109</b> beauty products representative - home sales
<b>94219</b> bead stringer	<b>65329</b> beauty salon attendant
<b>94112</b> bead-forming machine operator - rubber products manufacturing	<b>21120</b> beauty salon inspector
<b>94107</b> beading machine operator - metal products manufacturing	<b>63210</b> beauty salon operator
<b>94112</b> beading machine operator - rubber products manufacturing	<b>14101</b> beauty salon receptionist
<b>94102</b> beaker tester	<b>65329</b> beauty salon supplies attendant
<b>94131</b> beam changer - textiles	<b>60040</b> beauty shop manager
<b>92015</b> beam department foreman/woman - hide and pelt processing	<b>63211</b> beauty treatment operator
<b>94130</b> beam dyer - textile manufacturing	<b>85104</b> beaver trapper
<b>95104</b> beam press picker - rubber products manufacturing	<b>60031</b> bed and breakfast manager
<b>94130</b> beam setter - textile manufacturing	<b>60031</b> bed and breakfast operator
<b>94130</b> beam tier - textile manufacturing	<b>94210</b> bed assembler
<b>83121</b> beam trawl fisherman/woman	<b>31301</b> bedside nurse
<b>94130</b> beam warper - textile manufacturing	<b>94210</b> bedspring stretcher
<b>95105</b> beam warper helper - textile processing	<b>85100</b> bee farm worker
<b>94130</b> beamer - hide and pelt processing	<b>94141</b> beef boner - meat packing plant
<b>94130</b> beamer - textile manufacturing	<b>94141</b> beef boner
<b>94130</b> beamhouse worker - hide and pelt processing	<b>85100</b> beef cattle farm worker
<b>80020</b> bean sprout farmer	<b>80020</b> beef cattle farmer
<b>80020</b> bean sprout grower	<b>84120</b> beef cattle herdsman
<b>94219</b> bearing assembler	<b>94141</b> beef cooler worker - meat packing plant
<b>94106</b> bearing borer	<b>92012</b> beef dressing foreman/woman
<b>94106</b> bearing grinder	<b>94143</b> beef grader
<b>94219</b> bearing inspector	<b>95106</b> beef marker - food and beverage processing
<b>93102</b> beater engineer - pulp and paper	<b>80020</b> beef producer
<b>95103</b> beater helper - pulp and paper	<b>94141</b> beef sticker - meat packing plant
<b>94121</b> beater operator - pulp and paper	<b>94141</b> beef trimmer - meat packing plant
<b>95103</b> beater operator helper - pulp and paper	<b>94141</b> beef-pluck trimmer
<b>92014</b> beater room foreman/woman - pulp and paper	<b>80020</b> beekeeper
<b>93102</b> beater room lead hand - pulp and paper	<b>84120</b> beekeeping technician
<b>94130</b> beating machine tender - hide and pelt processing	<b>64301</b> beer barman/woman
<b>63211</b> beautician	<b>94143</b> beer bottling line quality control tester
<b>63211</b> beauty care specialist	<b>94140</b> beer carton packer
<b>63211</b> beauty culture operator	<b>94140</b> beer filter operator
<b>43109</b> beauty culture school instructor	<b>94140</b> beer pasteurizer
<b>63211</b> beauty culturist	<b>64101</b> beer sales representative - wholesale
	<b>95106</b> beer sampler - food and beverage processing
	<b>65200</b> beer server
	<b>60020</b> beer store manager
	<b>64100</b> beer store sales clerk

<b>94143</b> beer tester	<b>95101</b> bench grinder - metal products manufacturing
<b>73209</b> beer-dispensing equipment repairer	<b>94219</b> bench hand - jewellery manufacturing
<b>94140</b> beet pulp press tender	<b>72101</b> bench jig maker
<b>95106</b> beet washer helper	<b>94213</b> bench lacquer sprayer
<b>95106</b> beet washer	<b>94107</b> bench loom wire weaver
<b>30010</b> behaviour therapy services director	<b>94124</b> bench machine operator - woodworking
<b>41301</b> behavioural consultant	<b>94106</b> bench machine tool set-up operator
<b>41301</b> behavioural therapist	<b>72100</b> bench machinist
<b>41301</b> behaviourist	<b>94101</b> bench moulder - foundry
<b>62022</b> bell captain	<b>62202</b> bench moulder - jewellery
<b>65210</b> bellhop	<b>94213</b> bench spray painter
<b>53124</b> bellows maker	<b>72101</b> bench stamping die maker
<b>53120</b> belly dancer	<b>72101</b> bench tool maker
<b>94112</b> belt brander - rubber products manufacturing	<b>94201</b> bench worker - electronic equipment manufacturing
<b>95104</b> belt builder helper - rubber products manufacturing	<b>94210</b> bench worker - furniture manufacturing
<b>95104</b> belt builder helper	<b>95109</b> bench worker - garment manufacturing
<b>92013</b> belt building foreman/woman - rubber and plastic manufacturing	<b>94141</b> benchman/woman - meat packing plant
<b>75101</b> belt conveyor attendant	<b>94105</b> bender set-up operator - metal products manufacturing
<b>95109</b> belt edge stainer	<b>95101</b> bending machine helper - metal products manufacturing
<b>95109</b> belt liner	<b>94105</b> bending machine operator - metal forging
<b>94124</b> belt sander - woodworking	<b>75110</b> bending machine operator - pipelines
<b>94124</b> belt sander operator - woodworking	<b>94105</b> bending machine set-up operator - metal fabrication
<b>94219</b> belt-maker operator	<b>94105</b> bending machine tender - metal fabrication
<b>75101</b> beltman/woman	<b>94105</b> bending machine tender - metal products manufacturing
<b>93200</b> bench and structural assembler - aircraft assembly	<b>94105</b> bending press operator - metal fabrication
<b>93200</b> bench and structural assembler	<b>94105</b> bending roll operator - metal fabrication
<b>94201</b> bench assembler - electronic equipment manufacturing	<b>14201</b> benefits and entitlement clerk - insurance
<b>94211</b> bench assembler - wood products manufacturing	<b>13102</b> benefits and pension plan officer
<b>92024</b> bench assemblers foreman/woman - wood products manufacturing	<b>11200</b> benefits consultant
<b>83100</b> bench blaster - underground mining	<b>11200</b> benefits coordinator
<b>94101</b> bench coremaker - foundry	<b>10011</b> benefits manager
<b>72101</b> bench die cutter	<b>12104</b> benefits officer - government services
<b>72101</b> bench die fitter	<b>13102</b> benefits officer - payroll administration
<b>72101</b> bench die sinker	<b>93101</b> benzol agitator operator
<b>93200</b> bench fitter - aircraft assembly	<b>41301</b> bereavement counsellor
<b>94204</b> bench fitter - buses and trucks	<b>85101</b> berry picker
<b>93200</b> bench fitter mechanic - aircraft assembly	<b>53111</b> best boy

<b>95109</b> beveller - shoe manufacturing	<b>95100</b> billet helper - primary metal processing
<b>94143</b> beverage and bottle inspector	<b>95100</b> billet mill helper - primary metal processing
<b>94143</b> beverage inspector	<b>93100</b> billet mill roller - primary metal processing
<b>60030</b> beverage service manager	<b>95100</b> billet pusher
<b>62101</b> beverage taster and buyer	<b>95100</b> billet rolling mill helper - primary metal processing
<b>94140</b> beverage-canning machine operator	<b>73209</b> billiard and bowling equipment installer-repairer
<b>94112</b> bias cutter - rubber products manufacturing	<b>94219</b> billiard ball maker
<b>95104</b> bias cutting machine operator helper - rubber products manufacturing	<b>94219</b> billiard cloth inspector
<b>94112</b> bias cutting operator - rubber products manufacturing	<b>94124</b> billiard cue maker
<b>95105</b> bias-cutting machine tender - fabric, fur and leather products manufacturing	<b>73209</b> billiard cue weigher
<b>41210</b> Bible college teacher	<b>65211</b> billiard parlour attendant
<b>41210</b> Bible school teacher	<b>62029</b> billiard parlour supervisor
<b>51100</b> bibliographer	<b>53200</b> billiard player
<b>94219</b> bicycle assembler	<b>94210</b> billiard table assembler
<b>92024</b> bicycle assembly foreman/woman	<b>94219</b> billiard table cushion mounter
<b>92024</b> bicycle assembly supervisor	<b>73209</b> billiard table repairer
<b>94219</b> bicycle inspector	<b>73209</b> billiard table servicer
<b>73209</b> bicycle mechanic	<b>65211</b> billiards ballracker
<b>65211</b> bicycle rental attendant	<b>14200</b> billing clerk
<b>72014</b> bicycle repair shop supervisor	<b>12011</b> billing coordinator
<b>73209</b> bicycle repairer	<b>14200</b> billing machine operator
<b>64100</b> bicycle salesperson - retail	<b>12011</b> billing supervisor
<b>60020</b> bicycle shop manager	<b>12011</b> billing unit head
<b>64320</b> bicycle tour guide	<b>75101</b> bin attendant
<b>21211</b> big data analyst	<b>95106</b> bin cleaner - food and beverage processing
<b>21211</b> big data developer	<b>75101</b> bin filler
<b>21211</b> big data engineer	<b>94152</b> binder - printing
<b>40019</b> bilateral relations chief	<b>94152</b> binder and finisher - printing
<b>40030</b> bilateral relations manager - social services	<b>94152</b> binder and finisher
<b>51110</b> bilingual editor	<b>94152</b> binder assistant
<b>13100</b> bilingual services coordinator	<b>95109</b> binder helper - printing
<b>14200</b> bill clerk	<b>84120</b> binder operator - agriculture
<b>14202</b> bill collector	<b>72022</b> binders foreman/woman - printing
<b>64409</b> bill complaints investigator	<b>72022</b> binders supervisor - printing
<b>74102</b> bill distributor	<b>72022</b> bindery foreman/woman - printing
<b>75110</b> bill poster	<b>95109</b> bindery helper
<b>14100</b> bill sorter	<b>95109</b> bindery labourer
	<b>95109</b> bindery machine feeder - printing

<b>72022</b> bindery supervisor - printing	<b>22110</b> biological technician
<b>94152</b> bindery worker - printing	<b>22110</b> biological technologist
<b>72022</b> bindery workers supervisor - printing	<b>21110</b> biologist
<b>94152</b> binding and finishing machine operator	<b>41200</b> biology professor - university
<b>94132</b> binding machine operator - sewing	<b>21110</b> biology systematist
<b>94132</b> binding sewing machine operator	<b>21110</b> biology taxonomist
<b>94132</b> binding stitcher - footwear manufacturing	<b>41220</b> biology teacher - secondary school
<b>65211</b> bingo caller	<b>92100</b> biomass plant technician
<b>65211</b> bingo floor attendant	<b>21399</b> biomechanical engineer
<b>65211</b> bingo floorman/woman	<b>41200</b> biomechanics professor - university
<b>62029</b> bingo games supervisor	<b>22310</b> biomedical and laboratory equipment repairer
<b>65211</b> bingo hall attendant	<b>22310</b> biomedical electronics technologist - Canadian Armed Forces
<b>50012</b> bingo hall manager	<b>21399</b> biomedical engineer - research and development
<b>75101</b> binman/woman	<b>21399</b> biomedical engineer
<b>21101</b> bioanalytical chemist	<b>22310</b> biomedical engineering technologist
<b>21320</b> biochemical and biotechnical engineer	<b>21110</b> biomedical nanotechnology research scientist
<b>21320</b> biochemical development engineer	<b>21210</b> biometrician
<b>21320</b> biochemical engineer	<b>21100</b> biophysicist
<b>21101</b> biochemist	<b>21399</b> bioresource engineer
<b>22100</b> biochemistry laboratory technician	<b>41400</b> bioscience officer - Canadian Armed Forces
<b>22100</b> biochemistry laboratory technologist	<b>21210</b> biostatistician
<b>41200</b> biochemistry professor - university	<b>21102</b> biostratigrapher
<b>21101</b> biochemistry research scientist	<b>21320</b> biotechnical engineer
<b>22100</b> biochemistry technician (except medical)	<b>21320</b> biotechnology engineer
<b>22100</b> biochemistry technologist (except medical)	<b>22110</b> biotechnology technician
<b>22100</b> biochemistry technologist	<b>80020</b> bird breeder
<b>21399</b> bioelectrical engineer	<b>60020</b> bird seller
<b>80010</b> biofuels production manager	<b>31301</b> birthing room nurse
<b>41409</b> biogeographer	<b>31300</b> birthing room nursing supervisor
<b>51111</b> biographer	<b>63202</b> biscuit baker
<b>21110</b> bioinformatician	<b>95106</b> biscuit packer
<b>31204</b> biokineticist	<b>41302</b> bishop
<b>21210</b> biological and agricultural science statistician	<b>95109</b> bisque cleaner - clay products
<b>41409</b> biological anthropologist	<b>94103</b> bisque kiln operator - clay products
<b>21101</b> biological chemist	<b>95100</b> bisque placer - mineral products manufacturing
<b>22110</b> biological forensic laboratory technologist	<b>95101</b> bit sharpener tender
<b>52120</b> biological illustrator	<b>93101</b> bitumen extraction plant operator
<b>22110</b> biological laboratory technologist	<b>93101</b> bitumen upgrading plant operator
<b>21102</b> biological oceanographer	<b>73400</b> bituminous paver operator - heavy equipment
<b>20011</b> biological research department chief	
<b>21110</b> biological scientist	

<b>75110</b> bituminous paving labourer	<b>94121</b> bleach stock preparation operator - pulp and paper
<b>75110</b> bituminous paving machine operator	<b>94130</b> bleacher - textile manufacturing
<b>22230</b> black light technician - non-destructive testing	<b>95105</b> bleacher helper - textile processing
<b>94110</b> black powder grainer and glazier tender	<b>94140</b> bleacher operator - food and beverage processing
<b>94110</b> black powder press tender	<b>94121</b> bleacher operator - pulp and paper
<b>95109</b> blackboard eraser maker	<b>94121</b> bleacher tender - pulp and paper
<b>94219</b> blackboard maker	<b>92015</b> bleaching foreman/woman - textiles
<b>64321</b> blackjack croupier	<b>94130</b> bleaching machine operator - textile manufacturing
<b>72999</b> blacksmith - agriculture	<b>94130</b> bleaching range operator - textile manufacturing
<b>72999</b> blacksmith - manufacturing	<b>94110</b> bleaching solution maker
<b>72010</b> blacksmith foreman/woman	<b>94110</b> blender - chemical processing
<b>95101</b> blacksmith helper	<b>94140</b> blender - tobacco processing
<b>72010</b> blacksmith shop foreman/woman	<b>95106</b> blender and packer - food and beverage processing
<b>72999</b> blacksmith	<b>95106</b> blender and wrapper - food and beverage processing
<b>75110</b> blacktop raker	<b>94110</b> blender operator - chemical processing
<b>75110</b> blacktop spreader	<b>94140</b> blender operator - food and beverage processing
<b>94112</b> bladder moulder - rubber products manufacturing	<b>84101</b> blender operator - oil field services
<b>94140</b> blanching machine tender	<b>94111</b> blender operator - plastic manufacturing
<b>94131</b> blanket weaver	<b>94100</b> blender tender - primary metal and mineral products processing
<b>92010</b> blast furnace foreman/woman	<b>84101</b> blending machine operator - oil field services
<b>95100</b> blast furnace helper	<b>94130</b> blending machine tender - textile manufacturing
<b>93100</b> blast furnace operator	<b>94132</b> blindstitch-sewing machine operator
<b>94100</b> blast furnace tapper	<b>94212</b> blister former - plastic products manufacturing
<b>93100</b> blast furnaceman/woman	<b>95109</b> blister packer
<b>83100</b> blast hole driller - underground mining	<b>94103</b> block cuber - concrete, clay and stone products
<b>73402</b> blaster - quarrying	<b>94103</b> block machine operator - concrete, clay and stone products
<b>73402</b> blaster - surface mining	<b>94213</b> block sander and glazier
<b>83100</b> blaster - underground mining	<b>94120</b> block splitter - sawmill
<b>73402</b> blaster (except underground mining)	<b>65320</b> blocker - laundry and dry cleaning
<b>84100</b> blaster helper - underground mining	<b>83100</b> blockholer - underground mining
<b>72021</b> blasters foreman/woman - construction	<b>94152</b> blocking press operator - printing
<b>82020</b> blasters foreman/woman - mining and quarrying	<b>94152</b> blocking press stamper - printing
<b>82020</b> blasters foreman/woman - quarrying	<b>94103</b> block-making machine tender - concrete, clay and stone products
<b>82020</b> blasters foreman/woman - surface mining	<b>51111</b> blogger
<b>94219</b> blasting cap assembler	<b>30010</b> blood bank administrator
<b>94121</b> bleach boiler tender	
<b>94121</b> bleach field operator - pulp and paper	
<b>92014</b> bleach plant foreman/woman - pulp and paper	
<b>93102</b> bleach plant operator - pulp and paper	



<b>33101</b> blood bank technician	<b>93101</b> boardman/woman - chemical processing
<b>32120</b> blood bank technologist	<b>64100</b> boat and marine equipment salesperson - retail
<b>33109</b> blood donor clinic assistant	<b>72321</b> boat and ship insulator
<b>33109</b> blood donor clinic attendant	<b>94219</b> boat assembler
<b>33109</b> blood donor clinic helper	<b>95109</b> boat assembly helper
<b>33109</b> blood sampling attendant	<b>94219</b> boat assembly inspector
<b>93100</b> blooming mill roller	<b>95109</b> boat assembly labourer
<b>94111</b> blow moulder operator - plastic manufacturing	<b>94219</b> boat assembly laminator
<b>92013</b> blow moulding foreman/woman - rubber and plastic manufacturing	<b>94219</b> boat assembly repairer
<b>94111</b> blow moulding machine operator - plastic manufacturing	<b>94219</b> boat builder
<b>94121</b> blow pit tender - pulp and paper	<b>72310</b> boat carpenter
<b>94111</b> blow-moulding machine lead operator - plastic manufacturing	<b>72500</b> boat crane operator
<b>94111</b> blow-moulding process operator - plastic manufacturing	<b>14404</b> boat dispatcher
<b>94112</b> blow-out and test operator - rubber products	<b>72020</b> boat engine repair foreman/woman
<b>72106</b> blowtorch operator	<b>94219</b> boat inspector
<b>72106</b> blowtorch welder	<b>72310</b> boat joiner
<b>94133</b> blue-leather grader	<b>75100</b> boat loader
<b>94150</b> blueprint blocker	<b>94219</b> boat motor installer
<b>94150</b> blueprint developer	<b>73209</b> boat propeller repairer
<b>95109</b> blueprint trimmer-wrapper - printing	<b>65211</b> boat rental attendant
<b>95109</b> blueprinter helper - printing	<b>94219</b> boat repairer
<b>94150</b> blueprinting machine operator	<b>64320</b> boat tour guide
<b>51122</b> blues singer	<b>72310</b> boatbuilding apprentice
<b>94105</b> board drop hammer operator	<b>74201</b> boatswain - Canadian Armed Forces
<b>94123</b> board grader - wood processing	<b>74201</b> boatswain - water transport
<b>94105</b> board hammer operator - metal forging	<b>74201</b> boatswain
<b>94201</b> board laboratory operator	<b>95105</b> bobbin changer - textile processing
<b>41407</b> board member - government services	<b>95105</b> bobbin cleaner - textile processing
<b>40021</b> board of education administrator	<b>95105</b> bobbin collector - textile processing
<b>41405</b> board of education inspector	<b>94130</b> bobbin dryer - textile manufacturing
<b>94120</b> board sawyer - sawmill	<b>95105</b> bobbin processor
<b>94130</b> boarder - textile manufacturing	<b>95105</b> bobbin scraper - textile processing
<b>60031</b> boarding house keeper	<b>95105</b> bobbin sorter - textile processing
<b>60031</b> boarding house manager	<b>94130</b> bobbin stripper - textile manufacturing
<b>60040</b> boarding kennel manager	<b>94130</b> bobbin winder - textile manufacturing
<b>94130</b> boarding machine tender - hide and pelt processing	<b>73400</b> bobcat operator
<b>94130</b> boarding machine tender - textile manufacturing	<b>53201</b> bobsled coach
	<b>53201</b> bobsleigh coach
	<b>72411</b> body and fender repairer - automobile
	<b>72411</b> body and fender repairman/woman - automobile

<b>94200</b> body assembler - motor vehicle manufacturing	<b>72010</b> boilermaker foreman/woman
<b>94200</b> body department technician - motor vehicle manufacturing	<b>95101</b> boilermaker helper
<b>94200</b> body frame inspector - motor vehicle manufacturing	<b>72010</b> boilermaker supervisor
<b>63211</b> body piercer	<b>72010</b> boilermaker, plater and structural metal worker foreman/woman
<b>94200</b> body production operator - motor vehicle manufacturing	<b>72103</b> boilermaker
<b>72020</b> body shop foreman/woman	<b>72103</b> boilermaker-welder
<b>92020</b> body shop supervisor - motor vehicle manufacturing	<b>72010</b> boilermaking shop foreman/woman
<b>72020</b> body shop supervisor	<b>92012</b> boiling house foreman/woman - food and beverage processing
<b>42100</b> bodyguard - police	<b>94140</b> bologna maker
<b>64410</b> bodyguard (except police)	<b>94107</b> bolt header operator
<b>94200</b> body-in-white inspector - motor vehicle manufacturing	<b>95103</b> bolt loader - sawmill
<b>94130</b> boiler - textile manufacturing	<b>94107</b> bolt machine operator
<b>22231</b> boiler and machinery inspector	<b>94107</b> bolt maker
<b>12202</b> boiler and machinery underwriter - insurance	<b>94120</b> bolt sawyer - sawmill
<b>72014</b> boiler and pipe insulation specialists foreman/woman	<b>95106</b> bolter helper - food and beverage processing
<b>72321</b> boiler and pipe insulator	<b>94140</b> bolter operator - food and beverage processing
<b>72014</b> boiler and pipe insulators foreman/woman	<b>83100</b> bolter operator - underground mining
<b>65311</b> boiler cleaner	<b>94120</b> bolterman/woman - sawmill
<b>72103</b> boiler fitter	<b>94106</b> bolt-threading machine operator
<b>22231</b> boiler inspector	<b>72999</b> bomb-disposal expert
<b>22233</b> boiler installation inspector	<b>11101</b> bond analyst
<b>72103</b> boiler installer	<b>11103</b> bond broker
<b>72321</b> boiler insulator	<b>11103</b> bond dealer
<b>95102</b> boiler operator helper	<b>10020</b> bond sales manager
<b>92100</b> boiler operator	<b>11103</b> bond trader
<b>94213</b> boiler painter	<b>94112</b> bonder - rubber products manufacturing
<b>72103</b> boiler repairer	<b>94130</b> bonding machine tender - textile manufacturing
<b>72103</b> boiler repairman/woman	<b>94112</b> bonding press tender - rubber products manufacturing
<b>72103</b> boiler shop mechanic	<b>11109</b> bonds underwriter
<b>74201</b> boiler tender - ships	<b>94140</b> bone crusher - food and beverage processing
<b>22230</b> boiler tester	<b>51101</b> book conservator
<b>95102</b> boiler water tester	<b>94122</b> book cover creaser
<b>72106</b> boiler welder	<b>51113</b> book critic
<b>95102</b> boilerhouse helper	<b>51110</b> book editor
<b>72400</b> boilerhouse machinery mechanic	<b>94152</b> book finisher - printing
<b>92100</b> boilerhouse operator	<b>94122</b> book jacket machine tender
<b>72103</b> boilermaker apprentice	<b>11202</b> book publicist
	<b>50011</b> book publishing manager
	<b>14300</b> book returns clerk - library

<b>51113</b> book reviewer	<b>94133</b> boot and shoe inspector
<b>64100</b> book salesperson - retail	<b>95109</b> boot and shoe matcher
<b>94152</b> book trimmer	<b>95109</b> boot and shoe perforator
<b>94152</b> bookbinder - printing	<b>94133</b> boot and shoe sorter
<b>94152</b> bookbinder assistant	<b>63220</b> boot repairer
<b>94152</b> bookbinding machine operator	<b>63220</b> bootmaker
<b>94152</b> book-cutting machine operator	<b>92015</b> bootmakers and shoemakers foreman/woman
<b>95104</b> booker - rubber products manufacturing	<b>92015</b> bootmakers foreman/woman
<b>94140</b> booker - tobacco processing	<b>40011</b> border services manager
<b>64310</b> booking agent - travel agency	<b>43203</b> border services officer (BSO)
<b>64101</b> booking agent - wholesale	<b>43203</b> border services student officer
<b>14101</b> booking clerk - hospital	<b>43203</b> border services trainee officer
<b>14101</b> booking clerk - medical office	<b>94124</b> borer - woodworking
<b>64313</b> bookings clerk - railway	<b>94106</b> boring machine operator - metal machining
<b>64313</b> bookings clerk - wholesale travel	<b>94124</b> boring machine operator - woodworking
<b>64313</b> bookings clerk (except airline)	<b>94103</b> boring mill operator - concrete products
<b>12200</b> bookkeeper	<b>94106</b> boring mill operator - metal machining
<b>12011</b> bookkeepers and accounting clerks supervisor	<b>94106</b> boring mill set-up operator - metal machining
<b>12200</b> bookkeeping clerk	<b>53100</b> botanical garden interpreter
<b>12011</b> bookkeeping supervisor	<b>22110</b> botanical technician
<b>41210</b> bookkeeping teacher	<b>22110</b> botanical technologist
<b>14300</b> bookmobile clerk	<b>21110</b> botanist
<b>51100</b> bookmobile librarian	<b>41200</b> botany assistant professor - university
<b>64100</b> bookseller	<b>41200</b> botany professor - university
<b>94152</b> book-sewing machine operator - printing	<b>94219</b> bottle cap seal machine tender
<b>64100</b> bookstore clerk - retail	<b>95106</b> bottle caser - food and beverage processing
<b>60020</b> bookstore manager	<b>95106</b> bottle checker - food and beverage processing
<b>72500</b> boom crane operator	<b>94102</b> bottle inspector - glass products manufacturing
<b>53111</b> boom grip	<b>94102</b> bottle machine operator - glass products manufacturing
<b>85120</b> boom man/woman	<b>94102</b> bottle maker operator - glass and glass products
<b>82010</b> boom master - logging	<b>94102</b> bottle maker operator
<b>53111</b> boom microphone operator	<b>95109</b> bottle sorter
<b>53111</b> boom operator	<b>94102</b> bottle tester
<b>72500</b> boom truck crane operator	<b>95106</b> bottle washer - food and beverage processing
<b>72500</b> boom truck hoist operator	<b>95106</b> bottle washer
<b>85120</b> boom worker - logging	<b>95106</b> bottler
<b>85120</b> boom worker - mill pond	<b>95106</b> bottle-washing machine tender - food and beverage processing
<b>85120</b> boom worker	<b>92012</b> bottling foreman/woman - food and beverage processing
<b>73400</b> boom-conveyor operator	
<b>92015</b> boot and shoe foreman/woman	
<b>94133</b> boot and shoe grader	

<b>92012</b> bottling foreman/woman	<b>94210</b> box spring unit assembler - furniture manufacturing
<b>95106</b> bottling line worker	<b>95106</b> box stitcher - food and beverage processing
<b>94140</b> bottling machine operator - food and beverage processing	<b>94150</b> box, case and lining printer
<b>94140</b> bottling machine operator	<b>95109</b> box-blank machine feeder
<b>92012</b> bottling supervisor - food and beverage processing	<b>75101</b> boxcar loader
<b>84100</b> bottom cager - underground mining	<b>94219</b> box-end-stapling machine tender
<b>95109</b> bottom wheeler - shoe manufacturing	<b>53200</b> boxer
<b>64410</b> bouncer	<b>11202</b> boxing promoter
<b>64100</b> bouquet salesperson	<b>65211</b> boxing second
<b>73209</b> bow repairer	<b>53201</b> boxing trainer
<b>94130</b> bowker - textile manufacturing	<b>94150</b> box-printing machine operator
<b>94124</b> bowl blank boring and finishing machine operator	<b>94219</b> box-sealing machine operator
<b>53200</b> bowler	<b>32129</b> brace maker
<b>65211</b> bowling alley attendant	<b>94219</b> bracelet assembler
<b>54100</b> bowling instructor	<b>32121</b> brachytherapy technologist
<b>65211</b> bowling pinsetter	<b>94131</b> braid maker - textiles
<b>73209</b> bows repairer - stringed instruments	<b>94131</b> braid weaver - textiles
<b>75101</b> box bander	<b>94131</b> braider - textiles
<b>94219</b> box blank machine operator	<b>94112</b> braider operator - rubber products manufacturing
<b>94124</b> box blank repairer - woodworking	<b>94107</b> braider tender
<b>94122</b> box cutter - paper converting	<b>72400</b> braiding machine setter
<b>95109</b> box factory labourer	<b>94112</b> braiding machine tender - rubber products manufacturing
<b>75101</b> box filler	<b>94131</b> braiding machine tender - textiles
<b>94122</b> box finisher - paper converting	<b>94107</b> braiding machine tender - wire products manufacturing
<b>94122</b> box gluer - paper converting	<b>14300</b> Braille and talking books library clerk
<b>95109</b> box labeller	<b>94150</b> braille duplicator
<b>94122</b> box liner - paper converting	<b>42203</b> braille instructor
<b>94140</b> box machine operator - food and beverage processing	<b>14112</b> braille keyboard operator - typesetting
<b>94122</b> box maker - paper converting	<b>94150</b> braille printer
<b>94122</b> box maker operator	<b>14112</b> braille stereograph machine operator
<b>92014</b> box making foreman/woman - paper converting	<b>42203</b> braille teacher
<b>95109</b> box marker - manufacturing	<b>12110</b> braille technician
<b>65100</b> box office cashier	<b>12110</b> braille transcriber
<b>95109</b> box packer	<b>12110</b> Braille volumes transcriber
<b>94150</b> box printer - printing	<b>94150</b> braille-impressing machine operator
<b>95109</b> box sealer	<b>12110</b> braillist
<b>94210</b> box spring assembler	<b>94200</b> brake assembler - motor vehicle manufacturing
<b>94210</b> box spring frame assembler	<b>94106</b> brake drum lathe operator

<b>95101</b> brake helper - metal products manufacturing	<b>94130</b> breaker tender - textile manufacturing
<b>94105</b> brake setter - metalworking	<b>94121</b> brakeman/woman - pulp and paper
<b>60020</b> brake shop manager	<b>63200</b> breakfast cook
<b>72410</b> brake systems mechanic	<b>94140</b> brewer helper - food and beverage processing
<b>73311</b> brake worker - switching yard	<b>92012</b> brewer supervisor
<b>73311</b> brakeman/woman - railway yard	<b>94140</b> brewer
<b>73311</b> brakeman/woman - railway	<b>94140</b> brewery kettle tender - food and beverage processing
<b>73311</b> brakeman/woman - switching yard	<b>95106</b> brewery labourer
<b>73311</b> brakeman/woman	<b>94140</b> brewery pumpman/woman
<b>10021</b> branch administrative manager - banking, credit and investment	<b>94140</b> brewery stillman/woman - beverage processing
<b>72205</b> branch exchange repairer - telecommunications	<b>92012</b> brewery supervisor
<b>14300</b> branch library clerk	<b>22100</b> brewery technician - applied chemistry
<b>10019</b> branch manager - administration	<b>22100</b> brewery technician
<b>10021</b> branch manager - banking, credit and investment	<b>94143</b> brewery tester - food and beverage processing
<b>10020</b> branch manager - insurance	<b>94140</b> brewery worker
<b>60020</b> branch manager - retail	<b>94140</b> brewhouse operator
<b>14301</b> brand recorder	<b>90010</b> brewmaster
<b>94101</b> brass caster	<b>94124</b> briar-bowl turner - woodworking
<b>62202</b> brass or bronze chaser	<b>72320</b> brick and stone mason
<b>84100</b> brattice builder - underground mining	<b>72014</b> brick and stone masons foreman/woman
<b>72106</b> brazer and hammerer	<b>95100</b> brick and tile batch mixer
<b>72106</b> brazer	<b>94103</b> brick and tile caster - clay products
<b>95101</b> brazing machine feeder	<b>94100</b> brick and tile crusher operator
<b>72106</b> brazing machine operator	<b>92010</b> brick and tile foreman/woman
<b>72106</b> brazing machine setter	<b>94104</b> brick and tile inspector
<b>63202</b> bread baker - retail	<b>95100</b> brick and tile kiln cleaner
<b>63202</b> bread baker	<b>94104</b> brick and tile tester
<b>75201</b> bread deliverer	<b>94103</b> brick and tile-making machine operator - clay products
<b>22111</b> bread inspector	<b>94103</b> brick baker - clay products
<b>95106</b> bread pan greaser - food and beverage processing	<b>94103</b> brick burner - clay products
<b>94140</b> bread slicer operator	<b>72320</b> brick chimney builder
<b>94143</b> bread tester	<b>75110</b> brick cleaner
<b>94140</b> bread-slicing machine operator	<b>94103</b> brick cutter - clay products
<b>93100</b> breakdown mill operator	<b>94104</b> brick grader
<b>94121</b> breaker - pulp and paper	<b>94103</b> brick kiln operator - clay products
<b>94130</b> breaker feeder - textile manufacturing	<b>94103</b> brick kilnman/woman - clay products
<b>94140</b> breaker tank attendant - food and beverage processing	<b>94103</b> brick machine set-up operator - clay products
<b>94121</b> breaker tender - pulp and paper	<b>94103</b> brick maker - clay products
	<b>72014</b> brick masonry contractor

<b>94103</b> brick moulder - clay products	<b>42200</b> brief writer - law
<b>94103</b> brick presser - clay products	<b>40042</b> brigadier general
<b>94103</b> brick presser operator	<b>94151</b> bright type processor
<b>72320</b> brick setter	<b>93101</b> brine equipment tender
<b>94103</b> brick-cutting machine operator - clay products	<b>94100</b> brine maker - mineral products processing
<b>72014</b> bricklayer foreman/woman	<b>94140</b> brine man/woman - food and beverage processing
<b>75110</b> bricklayer helper	<b>94140</b> brine mixer operator - food and beverage processing
<b>72014</b> bricklayer supervisor	<b>93101</b> brine purification operator
<b>72320</b> bricklayer	<b>94140</b> brine tank separator tender
<b>72014</b> bricklayer-contractor	<b>83100</b> brine well tender
<b>72014</b> bricklaying and masonry contractor	<b>94100</b> briquetting machine operator
<b>72014</b> bricklaying contractor	<b>94141</b> brisket cutter - meat packing plant
<b>72320</b> brickmason	<b>42200</b> British Columbia notary public
<b>75110</b> brickmason's helper	<b>94106</b> broaching machine operator - metal machining
<b>94103</b> brick-moulding machine operator - clay products	<b>94106</b> broaching machine set-up operator - metal machining
<b>64100</b> bridal sales consultant - retail	<b>14100</b> broadcast clerk
<b>70010</b> bridge and building construction manager	<b>52112</b> broadcast engineer
<b>22233</b> bridge and building inspector	<b>52112</b> broadcast field technician
<b>72104</b> bridge and girder plater	<b>22231</b> broadcast interference inspector
<b>72021</b> bridge and highway construction gang foreman/woman	<b>51113</b> broadcast journalist
<b>75210</b> bridge attendant - canal lock systems	<b>52112</b> broadcast maintenance technician
<b>72310</b> bridge carpenter	<b>52112</b> broadcast technician
<b>72021</b> bridge construction foreman/woman	<b>52112</b> broadcast transmitter operator
<b>72105</b> bridge construction ironworker	<b>52114</b> broadcaster
<b>70010</b> bridge construction superintendent	<b>52112</b> broadcasting control operator
<b>72500</b> bridge crane operator	<b>52119</b> broadcasting coordinator
<b>22300</b> bridge design technician	<b>00014</b> broadcasting corporation president
<b>21300</b> bridge engineer	<b>51120</b> broadcasting director
<b>75110</b> bridge gang worker - construction	<b>52112</b> broadcasting engineer
<b>22233</b> bridge inspector - construction and maintenance	<b>62100</b> broadcasting equipment salesperson
<b>22233</b> bridge inspector	<b>50011</b> broadcasting manager
<b>54100</b> bridge instructor	<b>51120</b> broadcasting producer
<b>75210</b> bridge keeper - lock system	<b>21310</b> broadcasting professional engineer
<b>84100</b> bridge operator - underground mining	<b>51120</b> broadcasting sports director
<b>73112</b> bridge painter	<b>50011</b> broadcasting station manager
<b>72014</b> bridge painters foreman/woman	<b>52112</b> broadcasting switcher
<b>54100</b> bridge teacher	<b>52112</b> broadcasting technician
<b>75210</b> bridgemaster - lock systems	<b>52112</b> broadcasting transmitter operator
<b>75210</b> bridgemaster	<b>73113</b> broadloom installer

<b>80020</b> broiler chicken producer	<b>21110</b> bryologist
<b>63200</b> broiler cook	<b>84110</b> buckler - logging
<b>80020</b> broiler producer	<b>84110</b> buckler
<b>94121</b> broke beater tender - pulp and paper	<b>82010</b> bucklers supervisor
<b>95103</b> broke hustler - pulp and paper	<b>94124</b> bucket chucker - woodworking
<b>11103</b> broker	<b>75101</b> bucket elevator operator
<b>14201</b> brokerage clerk	<b>94124</b> bucket lathe operator
<b>10020</b> brokerage manager - investments	<b>73400</b> bucketwheel operator
<b>94213</b> bronze plater	<b>73400</b> bucketwheel-excavator operator
<b>94152</b> bronzer - printing	<b>95109</b> buckle maker
<b>94152</b> bronzing machine tender - printing	<b>94107</b> buckshot swage operator
<b>94219</b> broom assembler	<b>64100</b> bud expert - cannabis
<b>95109</b> broom cleaner and cutter	<b>11100</b> budget accountant
<b>94219</b> broom maker	<b>13100</b> budget analyst
<b>94219</b> broom stitcher	<b>10010</b> budget and sectoral profitability director
<b>95109</b> broom trimmer	<b>14200</b> budget clerk
<b>94219</b> broomcorn dyer	<b>12200</b> budget officer
<b>94219</b> broom-stitching machine operator	<b>12011</b> budget supervisor
<b>42204</b> brother/sister - religion	<b>64100</b> budtender - cannabis
<b>94121</b> brown stock operator - pulp and paper	<b>65200</b> buffet waiter/waitress
<b>94121</b> brown stock washer - pulp and paper	<b>92022</b> buffing and lacquering foreman/woman - furniture and fixtures manufacturing
<b>95103</b> brown stock washer helper - pulp and paper	<b>94105</b> buffing line setter
<b>94140</b> brown sugar maker	<b>94212</b> buffing machine operator - plastic manufacturing
<b>94219</b> brush and mop assembler	<b>94105</b> buffing machine set-up operator - metal fabrication
<b>94103</b> brush coater operator - concrete products	<b>95101</b> buffing machine tender - metal products manufacturing
<b>84111</b> brush cutter - forestry	<b>95100</b> buggy operator - primary metal processing
<b>94219</b> brush finisher	<b>73400</b> buggy-operator skinner
<b>94205</b> brush lacer and trimmer - electrical equipment manufacturing	<b>73400</b> buggy-scraper operator
<b>94130</b> brush machine tender - textile manufacturing	<b>51122</b> bugler
<b>94219</b> brush maker operator	<b>94140</b> buhr mill operator - food and beverage processing
<b>92024</b> brush making foreman/woman	<b>70011</b> builder - renovation
<b>94219</b> brush making machine operator	<b>70011</b> builder - residential
<b>95109</b> brush material mixer tender	<b>70011</b> builder
<b>94213</b> brush stainer - production	<b>72310</b> building addition carpenter
<b>84100</b> brusher - underground mining	<b>75110</b> building and house wrecker
<b>94130</b> brusher and shearer - textile manufacturing	<b>12203</b> building appraiser
<b>94130</b> brushing machine operator - hide and pelt processing	<b>65312</b> building caretaker
<b>94130</b> brushing operator - textile manufacturing	
<b>94205</b> brush-lacing and trimming operator - electrical equipment manufacturing	

<b>72310</b> building carpenter	<b>22300</b> building materials technician
<b>65310</b> building cleaner	<b>72021</b> building mover contractor
<b>62024</b> building cleaning and maintenance supervisor	<b>72021</b> building movers foreman/woman
<b>62024</b> building cleaning supervisor	<b>72021</b> building moving foreman/woman
<b>72200</b> building construction electrician	<b>70012</b> building operations manager
<b>22303</b> building construction estimator	<b>73201</b> building operator - maintenance
<b>70010</b> building construction general contractor	<b>75110</b> building painter helper
<b>00015</b> building construction general manager	<b>73112</b> building painter
<b>22233</b> building construction inspector foreman/woman	<b>22233</b> building safety inspector
<b>22233</b> building construction inspector	<b>65311</b> building sander
<b>70010</b> building construction superintendent	<b>70012</b> building services head
<b>65312</b> building custodian	<b>70012</b> building services manager
<b>72200</b> building electrician	<b>73201</b> building services worker
<b>21300</b> building envelope engineer	<b>52121</b> building space planner
<b>65311</b> building exterior cleaner	<b>73201</b> building superintendent
<b>73111</b> building glass glazier	<b>10012</b> building supplies purchasing manager
<b>73111</b> building glazier	<b>64100</b> building supplies salesperson - retail
<b>73201</b> building handyman/woman	<b>22212</b> building systems draftsman
<b>73201</b> building handyperson	<b>21301</b> building systems engineer
<b>22212</b> building information modelling (BIM) coordinator	<b>21301</b> building systems engineering project manager
<b>22212</b> building information modelling (BIM) designer	<b>72105</b> building systems erector
<b>22212</b> building information modelling (BIM) specialist	<b>92100</b> building systems operator
<b>22212</b> building information modelling (BIM) technician	<b>92100</b> building systems technician
<b>22212</b> building information modelling (BIM) technologist	<b>75110</b> building wrecker
<b>22233</b> building inspector - electrical wiring	<b>72021</b> building wrecking contractor
<b>22233</b> building inspector - structure	<b>72021</b> building wrecking foreman/woman
<b>22233</b> building inspector	<b>21300</b> buildings and bridge engineer
<b>72014</b> building insulation material installation foreman/woman	<b>10019</b> buildings, vehicles and supplies manager
<b>72014</b> building insulation specialists foreman/woman	<b>73110</b> built-up flat roofer
<b>72014</b> building insulation supervisor	<b>73110</b> built-up roofer
<b>72321</b> building insulator	<b>85121</b> bulb planter - landscaping
<b>72014</b> building insulators foreman/woman	<b>94140</b> bulk blender - tobacco processing
<b>70012</b> building maintenance head	<b>94100</b> bulk cement-blender tender
<b>70012</b> building maintenance manager	<b>73300</b> bulk goods truck driver
<b>64101</b> building maintenance services sales representative	<b>75101</b> bulk materials carrier operator
<b>72014</b> building maintenance supervisor	<b>75101</b> bulk materials loader operator
<b>73201</b> building maintenance worker	<b>75101</b> bulk materials unloader
<b>13101</b> building managing supervisor	<b>73300</b> bulk milk truck driver
<b>70010</b> building materials branch director	<b>94140</b> bulker blender - tobacco processing
	<b>94140</b> bulk-sausage-stuffing machine operator - food and beverage processing



<b>94106</b> Bullard multiple-spindle lathe operator	<b>65311</b> bus cleaner
<b>73400</b> bulldozer driver	<b>70020</b> bus company manager
<b>73400</b> bulldozer operator	<b>72024</b> bus dispatcher
<b>94219</b> bullet and cartridge case inspector	<b>73301</b> bus driver - special needs passengers
<b>94219</b> bullet and cartridge inspector	<b>73301</b> bus driver
<b>94107</b> bullet cutter and former - metal products manufacturing	<b>72024</b> bus drivers supervisor
<b>94107</b> bullet cutter and former	<b>64409</b> bus information clerk
<b>95102</b> bullet lubricant compounder	<b>72024</b> bus inspector
<b>94107</b> bullet maker	<b>72024</b> bus inspector-dispatcher
<b>94101</b> bullet moulder - foundry	<b>72410</b> bus mechanic
<b>94219</b> bulletin board fabricator	<b>45100</b> bus monitor
<b>94219</b> bulletin board maker	<b>73301</b> bus operator - accessible services
<b>94107</b> bullet-shaping machine tender	<b>73301</b> bus operator
<b>94107</b> bullet-swaging machine adjuster	<b>64401</b> bus parcel express clerk
<b>94107</b> bullet-swaging machine setter - metal products manufacturing	<b>94204</b> bus parts inspector
<b>94107</b> bunching machine operator	<b>65101</b> bus refueler
<b>95109</b> bundle wrapper	<b>64409</b> bus schedule information clerk
<b>95109</b> bundler - manufacturing	<b>14405</b> bus scheduler
<b>65211</b> bungee jump attendant	<b>64409</b> bus service information clerk
<b>83110</b> bunk skidder operator	<b>14100</b> bus terminal clerk
<b>50011</b> bureau chief - news agency	<b>64313</b> bus ticket agent
<b>31301</b> burn patient care nurse	<b>64320</b> bus tour guide
<b>31300</b> burn unit nursing coordinator	<b>14405</b> bus transportation service coordinator
<b>31300</b> burn unit nursing supervisor	<b>65311</b> bus washer
<b>31301</b> burn victim care nurse	<b>72600</b> bush pilot
<b>93101</b> burner operator - petroleum	<b>95100</b> bushier - primary metal processing
<b>94105</b> burning machine operator - metal fabrication	<b>94202</b> bushing assembler - small transformer manufacturing
<b>94105</b> burning table operator - metal fabrication	<b>94203</b> bushing core winder - industrial electrical equipment
<b>94130</b> burnisher - hide and pelt processing	<b>95109</b> bushing tender
<b>95101</b> burnisher - metalworking	<b>41200</b> business administration professor - university
<b>94219</b> burnisher operator - footwear manufacturing	<b>41210</b> business administration teacher - college level
<b>94219</b> burnishing machine operator - footwear manufacturing	<b>41210</b> business administration teacher
<b>72410</b> bus and transport mechanic	<b>52121</b> business aircraft interior designer
<b>94204</b> bus and truck floor framer	<b>72600</b> business aircraft pilot
<b>94204</b> bus and truck frame builder	<b>21221</b> business analyst - computer systems
<b>72410</b> bus and truck mechanic	<b>41401</b> business analyst - economics
<b>72020</b> bus and truck repair foreman/woman	<b>11201</b> business analyst project manager
<b>94204</b> bus assembler	<b>41220</b> business and commerce teacher - secondary school
<b>65201</b> bus boy/girl	

<b>92021</b> business and commercial machine assembly supervisor	<b>11201</b> business management consultant
<b>92021</b> business and commercial machines assembly foreman/woman	<b>90010</b> business manager - manufacturing
<b>21210</b> business and economics statistician	<b>10019</b> business manager - non-profit organization
<b>12203</b> business appraiser	<b>10022</b> business manager - sales and advertising
<b>00013</b> business association general manager	<b>11201</b> business methods analyst
<b>00013</b> business association president	<b>64409</b> business office service representative - telecommunications
<b>40020</b> business college director	<b>21221</b> business process analyst
<b>41210</b> business college instructor	<b>22211</b> business products designer
<b>40021</b> business college principal	<b>14101</b> business receptionist
<b>41210</b> business college teacher	<b>13100</b> business representative - club, lodge or society
<b>11201</b> business consultant	<b>40020</b> business school director
<b>21221</b> business continuity analyst	<b>00013</b> business school general manager
<b>21221</b> business data analyst	<b>40020</b> business school manager
<b>40011</b> business development director - government services	<b>40020</b> business school principal
<b>10020</b> business development manager - damage insurance	<b>13100</b> business services officer
<b>41402</b> business development officer	<b>12102</b> business services purchasing officer
<b>14301</b> business documentalist	<b>64101</b> business services sales representative
<b>41401</b> business economist	<b>21221</b> business solutions consultant
<b>51110</b> business editor	<b>41210</b> business subjects teacher - vocational institute
<b>41220</b> business education teacher	<b>21221</b> business systems analyst
<b>64101</b> business equipment sales representative - wholesale	<b>21221</b> business systems consultant
<b>64410</b> business establishment investigator	<b>20012</b> business systems manager
<b>12104</b> business expertise advisor - government services	<b>21221</b> business systems specialist - computer systems
<b>12104</b> business expertise consultant - government services	<b>41220</b> business teacher - secondary school
<b>52120</b> business forms designer	<b>72205</b> business telephone equipment installer and repairer
<b>64101</b> business forms sales representative	<b>72205</b> business telephone equipment maintainer
<b>00013</b> business general manager	<b>12203</b> business valuation officer
<b>41401</b> business intelligence analyst - economic research	<b>12203</b> business valuator
<b>21221</b> business intelligence analyst - information technology (IT)	<b>55109</b> busker
<b>41401</b> business intelligence analyst	<b>63201</b> butcher - butcher shop
<b>21221</b> business intelligence specialist	<b>63201</b> butcher - delicatessen
<b>41402</b> business issues lobbyist	<b>63201</b> butcher - retail or wholesale
<b>41210</b> business law teacher	<b>63201</b> butcher - wholesale
<b>22311</b> business machine servicer	<b>63201</b> butcher apprentice
<b>11201</b> business management analyst	<b>63201</b> butcher assistant
	<b>95106</b> butcher helper - meat processing
	<b>65202</b> butcher helper - retail and wholesale
	<b>64100</b> butcher shop clerk
	<b>65329</b> butler

<b>94143</b> butter grader	<b>94210</b> cabinet assembler - wood products manufacturing
<b>22111</b> butter inspector	<b>92022</b> cabinet assembler and wood furniture maker foreman/woman
<b>94140</b> butter maker	<b>94210</b> cabinet inspector - furniture manufacturing
<b>95106</b> butter packer	<b>00010</b> cabinet minister
<b>95106</b> butter sampler	<b>40019</b> Cabinet relations director
<b>95106</b> butter wrapper	<b>40019</b> Cabinet relations manager
<b>94143</b> butterfat tester	<b>72311</b> cabinetmaker apprentice
<b>95109</b> button assorter	<b>72311</b> cabinetmaker
<b>94219</b> button designer and sample maker	<b>72013</b> cabinetmakers foreman/woman
<b>94122</b> button envelope machine tender	<b>75110</b> cabinetmaker's helper
<b>94219</b> button finisher	<b>72013</b> cabinetmaking contractor
<b>94219</b> button machine operator	<b>94107</b> cable armourer
<b>94219</b> button machine setter	<b>65211</b> cable car operator
<b>94219</b> button maker	<b>75210</b> cable ferry deckhand
<b>95109</b> button marker	<b>75210</b> cable ferry operator
<b>94219</b> button press operator	<b>85120</b> cable hooker - logging
<b>94132</b> button stayer	<b>72011</b> cable installation and repair foreman/woman - telecommunications
<b>94219</b> button-covering machine setter	<b>75119</b> cable installation and repair helper - telecommunications
<b>94132</b> buttonhole finisher	<b>72011</b> cable installation contractor
<b>94132</b> buttonhole machine operator	<b>72011</b> cable installation foreman/woman
<b>94132</b> buttonhole maker	<b>72011</b> cable installation supervisor
<b>94132</b> buttonhole stayer	<b>72203</b> cable installer - electric power systems
<b>94219</b> button-moulder operator	<b>72203</b> cable installer - electrical power
<b>94219</b> buttons inspector	<b>72204</b> cable installer - telecommunications
<b>95109</b> button-sorting machine feeder	<b>72203</b> cable installer and repairer - electric power systems
<b>12102</b> buyer - manufacturing and processing	<b>75119</b> cable installer helper
<b>12102</b> buyer - purchasing	<b>72011</b> cable installers and repairers foreman/woman - telecommunications
<b>62101</b> buyer - retail	<b>95109</b> cable insulator helper
<b>62101</b> buyer - wholesale	<b>94107</b> cable insulator
<b>62101</b> buyers supervisor	<b>72203</b> cable jointer - electric power systems
<b>14301</b> by-law clerk	<b>72203</b> cable line worker - electric power systems
<b>43202</b> by-law enforcement officer	<b>72011</b> cable maintenance and repair supervisor
<b>43202</b> by-law enforcement officers supervisor	<b>72204</b> cable repair technician - telecommunications
<b>92011</b> by-products extraction foreman/woman - chemical processing	<b>72203</b> cable repairer - electric power systems
	<b>72204</b> cable repairer - telecommunications
	<b>75119</b> cable repairer helper - telecommunications
	<b>75119</b> cable repairer helper
<b>C</b>	
<b>11100</b> CA (chartered accountant) student	
<b>64410</b> cabin baggage inspector	
<b>94210</b> cabinet assembler - furniture manufacturing	

<b>84110</b> cable skidder operator	<b>94100</b> cadmium zinc leacher
<b>72203</b> cable splicer - electric power systems	<b>60030</b> café manager
<b>72203</b> cable splicer - electrical power	<b>65100</b> cafeteria cashier
<b>75119</b> cable splicer helper	<b>63200</b> cafeteria cook
<b>72011</b> cable splicers foreman/woman - telecommunications	<b>65201</b> cafeteria counter attendant
<b>72011</b> cable splicing foreman/woman - telecommunications	<b>65201</b> cafeteria helper
<b>72205</b> cable station tester - telecommunications	<b>60030</b> cafeteria manager
<b>72204</b> cable television installation technician	<b>62020</b> cafeteria supervisor
<b>72204</b> cable television installer	<b>65201</b> cafeteria worker
<b>72204</b> cable television maintenance technician	<b>65201</b> cafeteria-buffet attendant
<b>72205</b> cable television service installation technician	<b>94105</b> cage builder - metal fabrication
<b>64100</b> cable television service salesperson	<b>94107</b> cage maker - wire products manufacturing
<b>72205</b> cable television service technician	<b>62010</b> cage supervisor - casino
<b>72011</b> cable television system installers and repairers foreman/woman	<b>84100</b> cage tender - underground mining
<b>72204</b> cable tester - telecommunications	<b>84100</b> cage tender
<b>72501</b> cable tool driller - water well drilling	<b>63202</b> cake and pastry decorator - retail
<b>72106</b> cable welder	<b>63202</b> cake baker - retail
<b>72011</b> cable workers front line supervisor	<b>63202</b> cake decorator - retail
<b>83110</b> cable yarding operator	<b>63202</b> cake decorator
<b>83110</b> cable yarding system operator	<b>63202</b> cake icer
<b>94107</b> cable-braiding machine operator	<b>94140</b> cake mix equipment operator - food and beverage processing
<b>94205</b> cable-coding machine tender - electrical equipment manufacturing	<b>94111</b> cake press operator - plastic manufacturing
<b>72203</b> cableman/woman - electric power systems	<b>95106</b> cake wrapper
<b>75119</b> cableman/woman helper	<b>94100</b> calciner operator - mineral products processing
<b>94205</b> cable-marking machine tender - electrical equipment manufacturing	<b>94110</b> calciner tender
<b>64100</b> cable-TV and pay-TV sales representative	<b>14201</b> calculation clerk - insurance
<b>72205</b> cablevision servicer	<b>41220</b> calculus teacher - secondary school
<b>72011</b> cablevision technician supervisor	<b>64320</b> calèche driver
<b>72011</b> cablevision technicians foreman/woman	<b>64320</b> calèche operator
<b>21203</b> cadastral surveyor	<b>95104</b> calender feeder - rubber and plastic products manufacturing
<b>65211</b> caddie	<b>95105</b> calender helper - textile processing
<b>94100</b> cadmium control operator - zinc leaching	<b>94112</b> calender let-off operator - rubber products manufacturing
<b>94213</b> cadmium galvanizer	<b>94112</b> calender machine operator - rubber products manufacturing
<b>95100</b> cadmium leach helper	<b>94121</b> calender man/woman - pulp and paper
<b>94110</b> cadmium liquor maker	<b>94111</b> calender operator - plastic manufacturing
<b>94100</b> cadmium plant operator	<b>94121</b> calender operator - pulp and paper
<b>94100</b> cadmium recoverer	<b>94112</b> calender operator - rubber products manufacturing

<b>94130</b> calender operator - textile manufacturing	<b>65201</b> camp lunchroom attendant
<b>94112</b> calender roll warmer - rubber products manufacturing	<b>60031</b> camp manager
<b>94111</b> calender wind-up tender - plastic manufacturing	<b>65200</b> camp waiter/waitress
<b>94112</b> calender wind-up tender - rubber products manufacturing	<b>10022</b> campaign manager
<b>94121</b> calenderer - pulp and paper	<b>65211</b> campground attendant
<b>92013</b> calendering foreman/woman - rubber and plastic manufacturing	<b>65312</b> campground cleaner
<b>94111</b> calendering machine tender - plastic manufacturing	<b>65211</b> campground gate attendant
<b>94130</b> calendering machine tender - textile manufacturing	<b>85121</b> campground maintenance worker
<b>94141</b> calf skinner - meat packing plant	<b>60031</b> campground manager
<b>22310</b> calibration tester	<b>60031</b> campground operator
<b>64409</b> call centre agent - customer service	<b>65211</b> campground supervisor
<b>22221</b> call centre agent - technical support	<b>65211</b> campground worker
<b>62023</b> call centre agent supervisor	<b>70012</b> campus maintenance manager
<b>10029</b> call centre manager	<b>95105</b> can doffer - textile processing
<b>62023</b> call centre supervisor	<b>94142</b> can filler - fish and seafood processing
<b>52120</b> calligrapher	<b>94143</b> can inspector - food and beverage processing
<b>52120</b> calligraphic artist	<b>94107</b> can inspector - metal products manufacturing
<b>54100</b> callisthenics instructor	<b>94107</b> can machine operator
<b>94219</b> camera assembler	<b>94107</b> can machine setter
<b>94219</b> camera assembly inspector	<b>72400</b> can seamer machine repairer
<b>53111</b> camera crane operator	<b>94130</b> can tender
<b>64100</b> camera equipment salesperson - retail	<b>21203</b> Canada lands surveyor
<b>94219</b> camera inspector	<b>22233</b> Canada Mortgage and Housing Corporation (CMHC) inspector
<b>94151</b> camera operator - graphic arts	<b>14100</b> Canadian Police Information Centre (CPIC) operator
<b>94151</b> camera operator - printing	<b>12203</b> Canadian residential appraiser (CRA)
<b>52110</b> camera operator	<b>41310</b> Canadian Security Intelligence Service (CSIS) investigator
<b>72014</b> camera repair shop supervisor	<b>70012</b> canal director
<b>73209</b> camera repairer	<b>72400</b> canal equipment mechanic
<b>73209</b> camera repairman/woman	<b>75210</b> canal lock operator
<b>64100</b> camera salesperson - retail	<b>75210</b> canal lock tender
<b>60020</b> camera store manager	<b>75210</b> canal lockman/woman
<b>94106</b> camming machine operator - metal machining	<b>70012</b> canal superintendent
<b>63200</b> camp cook	<b>12111</b> cancer registrar
<b>65201</b> camp cook's helper	<b>94140</b> candied fruit processor
<b>54100</b> camp coordinator	<b>94219</b> candle decorator
<b>54100</b> camp counsellor	<b>92024</b> candle making foreman/woman
<b>54100</b> camp leader	<b>95109</b> candle manufacturing labourer
	<b>95109</b> candle-wrapping machine tender
	<b>94140</b> candy centre maker

<b>94143</b> candy inspector	<b>94219</b> canoe canvasser
<b>95106</b> candy maker helper	<b>53124</b> canoe repairer - arts and crafts
<b>94140</b> candy maker	<b>64322</b> canoeing guide
<b>95106</b> candy packer	<b>53200</b> canoeist
<b>94140</b> candy puller and roller	<b>95103</b> cant loader - wood processing
<b>95106</b> candy wrapper	<b>75201</b> canteen driver
<b>94140</b> candy-cutting machine tender	<b>60030</b> canteen manager
<b>94140</b> candy-making machine tender	<b>60030</b> canteen services manager
<b>94140</b> candy-rolling machine operator	<b>62020</b> canteen supervisor
<b>94140</b> candy-spinning machine operator - food and beverage processing	<b>94120</b> canter operator - sawmill
<b>94142</b> can-filling machine operator - fish processing	<b>72500</b> cantilever crane operator
<b>94140</b> can-filling machine operator - food and beverage processing	<b>42204</b> cantor
<b>94107</b> can-forming machine operator	<b>94219</b> canvas awning maker
<b>42100</b> canine-team member - police	<b>94219</b> canvas canoe waterproofer
<b>94107</b> can-making machine operator	<b>95105</b> canvas cutter - fabric products manufacturing
<b>94107</b> can-making machine setter	<b>94219</b> canvas goods assembler
<b>64100</b> cannabis consultant	<b>94133</b> canvas goods inspector
<b>75201</b> cannabis delivery driver	<b>53125</b> canvas goods maker
<b>60020</b> cannabis dispensary manager	<b>53125</b> canvas goods pattern designer and patternmaker
<b>64100</b> cannabis educator	<b>94132</b> canvas goods sewing machine operator
<b>95106</b> cannabis processing labourer	<b>53125</b> canvas layer-out - textile products
<b>92012</b> cannabis processing supervisor	<b>53125</b> canvas pattern designer
<b>60020</b> cannabis shop manager	<b>53125</b> canvas patternmaker
<b>85103</b> cannabis trim labourer	<b>64101</b> canvas product sales representative
<b>85103</b> cannabis trimmer	<b>92015</b> canvas products manufacturing foreman/woman
<b>94143</b> canned and bottled foods inspector	<b>94219</b> canvas tent maker
<b>94140</b> canned goods cooker	<b>65109</b> canvasser - retail
<b>94140</b> canned milk sterilizer	<b>65109</b> canvassing agent
<b>92012</b> cannery foreman/woman - food processing	<b>94201</b> capacitor assembler
<b>95107</b> cannery labourer - fish processing	<b>94201</b> capacitor inspector
<b>95107</b> cannery labourer	<b>94201</b> capacitor-treating tank operator
<b>90010</b> cannery manager	<b>21311</b> capacity planning analyst
<b>95106</b> cannery packer	<b>94143</b> capon grader - food and beverage processing
<b>95106</b> cannery worker - food and beverage processing	<b>82030</b> caponizing service contractor
<b>94140</b> canning machine operator	<b>94110</b> capsule filler - chemical processing
<b>94219</b> canoe assembler	<b>94110</b> capsule machine operator - chemical processing
<b>53124</b> canoe builder - arts and crafts	<b>94110</b> capsule machine operator
<b>94219</b> canoe building inspector	<b>72600</b> captain - air transport
<b>60031</b> canoe camp operator	<b>40042</b> captain - Canadian Army

<b>40042</b> captain - Royal Canadian Air Force	<b>65329</b> car storage attendant
<b>40042</b> captain - Royal Canadian Navy	<b>65210</b> car supplier - railway
<b>72602</b> captain - water transport	<b>65311</b> car wash attendant
<b>65200</b> captain waiter/waitress - food and beverage services	<b>60040</b> car wash manager
<b>65200</b> captain waiter/waitress - formal service	<b>65311</b> car washer
<b>65200</b> captain waiter/waitress	<b>75211</b> car weigher - railway
<b>40042</b> captain	<b>94140</b> caramel equipment operator
<b>51110</b> caption editor	<b>94107</b> carbide press tender
<b>94200</b> car assembler	<b>72101</b> carbide tool maker
<b>14404</b> car assignments clerk	<b>94110</b> carbon black pelletizer
<b>65329</b> car attendant	<b>94203</b> carbon brush assembler
<b>65311</b> car care worker	<b>94202</b> carbon brush inspector - electrical equipment manufacturing
<b>75211</b> car checker - railway transport	<b>94202</b> carbon brush inspector
<b>75211</b> car checker - railway	<b>94203</b> carbon brush maker
<b>74200</b> car controller - railway	<b>94122</b> carbon coater operator
<b>60020</b> car dealer	<b>84101</b> carbon dioxide truck operator - oil field services
<b>60020</b> car dealership manager	<b>94122</b> carbon paper cutter
<b>65311</b> car detailer	<b>94110</b> carbon paste mixer operator
<b>94200</b> car examiner - automobile assembly	<b>94103</b> carbon planer tender - stone products
<b>94200</b> car inspector - automobile assembly	<b>94202</b> carbon products inspector
<b>94200</b> car inspector - motor vehicle manufacturing	<b>94151</b> carbon tissue cylinder preparer - printing
<b>72403</b> car inspector - railway	<b>94140</b> carbonation equipment operator - food and beverage processing
<b>65329</b> car jockey	<b>94140</b> carbonator - food and beverage processing
<b>60020</b> car leasing branch manager	<b>94122</b> carbon-coating machine operator
<b>64100</b> car leasing representative	<b>94130</b> carbonizer tender - textile manufacturing
<b>65329</b> car lot attendant	<b>94122</b> carbon-paper-making machine operator
<b>72410</b> car mechanic	<b>95109</b> carbon-rod-inserting machine feeder
<b>94213</b> car painter - manufacturing	<b>94204</b> carburetor assembler
<b>65100</b> car park cashier	<b>94204</b> carburetor assembly inspector
<b>64100</b> car rental agent	<b>94141</b> carcass splitter - meat packing plant
<b>64100</b> car rental clerk	<b>95106</b> carcass washer - food and beverage processing
<b>72403</b> car repairer - railway	<b>95106</b> carcass weigher - food and beverage processing
<b>72403</b> car repairer apprentice - railway	<b>14100</b> card filer
<b>43200</b> car reposessor	<b>72400</b> card fixer - textile manufacturing
<b>74200</b> car retarder operator - railway yard	<b>72400</b> card fixer
<b>64100</b> car sales representative - retail	<b>72400</b> card grinder - textile manufacturing
<b>64100</b> car salesperson - retail	<b>72400</b> card grinder
<b>65311</b> car scrubber	<b>94131</b> card lacer - textiles
<b>94219</b> car seat assembler	
<b>95103</b> car stacker - wood processing	

<b>65229</b> card reader	<b>31101</b> cardiovascular and thoracic surgeon
<b>92015</b> card room supervisor - textiles	<b>31101</b> cardiovascular and thoracic surgery specialist
<b>72400</b> card setter - textile manufacturing	<b>31302</b> cardiovascular nurse practitioner
<b>64100</b> card shop clerk	<b>32103</b> cardiovascular perfusion clinical instructor
<b>94130</b> card stripper - textile manufacturing	<b>32103</b> cardiovascular perfusion instructor
<b>94122</b> cardboard box gluer	<b>32103</b> cardiovascular perfusion supervisor
<b>94122</b> cardboard box maker - paper converting	<b>32103</b> cardiovascular perfusion technologist
<b>94122</b> cardboard box press operator	<b>32103</b> cardiovascular perfusionist
<b>94122</b> cardboard maker - paper converting	<b>31101</b> cardiovascular surgeon
<b>94122</b> cardboard-tube-winding machine operator - paper converting	<b>32123</b> cardiovascular technician
<b>94130</b> carder - textile manufacturing	<b>32123</b> cardiovascular technologist
<b>32123</b> cardiac catheterization technician	<b>11202</b> career agent
<b>32123</b> cardiac catheterization technologist	<b>41220</b> career and life management teacher
<b>32122</b> cardiac sonographer	<b>41220</b> career and technology studies teacher
<b>32123</b> cardiac stress technologist	<b>41321</b> career coach
<b>31101</b> cardiac surgeon	<b>41320</b> career counsellor - education
<b>31301</b> cardiac surgery nurse	<b>41321</b> career counsellor (except education)
<b>32123</b> cardiac technician	<b>40010</b> career development and employment district director - government services
<b>32122</b> cardiac ultrasound technician	<b>41321</b> career development counsellor
<b>32122</b> cardiac ultrasound technologist	<b>40010</b> career development director - government services
<b>41302</b> cardinal	<b>41321</b> career development facilitator
<b>95105</b> carding machine cleaner - textile processing	<b>41321</b> career development practitioner
<b>94130</b> carding machine feeder - textile manufacturing	<b>41220</b> career education teacher
<b>72400</b> carding machine fixer - textile manufacturing	<b>41220</b> career exploration teacher
<b>94130</b> carding machine operator - textile manufacturing	<b>41321</b> career group facilitator
<b>94130</b> carding machine tender - textile manufacturing	<b>40010</b> career information director - government services
<b>31100</b> cardiologist	<b>41321</b> career resource centre coordinator
<b>32123</b> cardiology instructor	<b>64312</b> cargo agent - airline
<b>31301</b> cardiology nurse technician	<b>74202</b> cargo attendant - air transport
<b>31301</b> cardiology nurse	<b>13200</b> cargo broker
<b>31100</b> cardiology specialist	<b>64312</b> cargo customer service representative - airline
<b>32123</b> cardiology supervisor	<b>64313</b> cargo customer service representative - bus line
<b>32123</b> cardiology technician	<b>64313</b> cargo customer service representative - marine shipping
<b>32123</b> cardiology technologist	<b>64313</b> cargo customer service representative - railway
<b>32103</b> cardiopulmonary technician	<b>74202</b> cargo handler - air transport
<b>32103</b> cardiopulmonary technologist	<b>72021</b> cargo handling supervisor
<b>32103</b> cardiopulmonary technology instructor	<b>74202</b> cargo loader - air transport
<b>32103</b> cardiopulmonary technology supervisor	
<b>31101</b> cardiothoracic surgeon	



<b>14400</b> cargo location clerk	<b>64100</b> car-rental counter representative
<b>22231</b> cargo surveyor	<b>64410</b> carry-on baggage inspector
<b>72020</b> carhouse supervisor - railway transportation	<b>64101</b> cartage and storage salesperson
<b>52120</b> caricaturist	<b>70020</b> cartage company manager
<b>51122</b> carillonneur	<b>22214</b> cartographer
<b>72403</b> carman/woman - railway	<b>22214</b> cartographic compiler
<b>75211</b> carman/woman helper - railway	<b>22214</b> cartographic draftsman/woman
<b>72403</b> carman/woman inspector - railway	<b>21300</b> cartographic engineer
<b>95100</b> carnallite flux maker	<b>22214</b> cartographic technician
<b>65211</b> carousel operator	<b>22214</b> cartographic technologist
<b>75110</b> carpenter helper	<b>94122</b> carton assembler - paper converting
<b>72310</b> carpenter lead hand	<b>95106</b> carton bander
<b>72310</b> carpenter rough	<b>95109</b> carton filler
<b>72013</b> carpenter supervisor	<b>94122</b> carton forming machine operator
<b>72310</b> carpenter	<b>94122</b> carton gluer
<b>72013</b> carpenter-contractor	<b>95109</b> carton labeller
<b>72310</b> carpenter-joiner	<b>95109</b> carton marker
<b>72013</b> carpenters foreman/woman	<b>95106</b> carton package stapler
<b>72013</b> carpentry contractor	<b>95109</b> carton stamper
<b>72013</b> carpentry foreman/woman	<b>95109</b> carton wrapper
<b>22233</b> carpentry inspector	<b>95103</b> carton-forming machine feeder
<b>72310</b> carpentry repairman/woman	<b>72400</b> carton-forming machine repairer
<b>72013</b> carpentry supervisor	<b>94122</b> carton-making machine operator
<b>94132</b> carpet binder	<b>95106</b> carton-packaging machine tender - food and beverage processing
<b>65311</b> carpet cleaner	<b>52111</b> cartoon background artist
<b>60040</b> carpet cleaning service manager	<b>53125</b> cartoon embroidery enlarger
<b>62024</b> carpet cleaning supervisor	<b>52120</b> cartoon film artist
<b>94130</b> carpet drying machine tender - textile manufacturing	<b>52120</b> cartoonist sketch
<b>94133</b> carpet inspector	<b>52120</b> cartoonist
<b>73113</b> carpet installer	<b>94219</b> cartridge assembler
<b>75110</b> carpet layer helper	<b>95100</b> cartridge flux maker
<b>73113</b> carpet layer	<b>94219</b> cartridge inspector
<b>72400</b> carpet loom fixer - textile manufacturing	<b>95101</b> cartridge parts cleaner - explosives and ammunition manufacturing
<b>72400</b> carpet loom setter - textile manufacturing	<b>94107</b> cartridge primers drop tester
<b>75110</b> carpet mechanics helper	<b>94219</b> cartridge-filler operator
<b>94132</b> carpet sewer	<b>94219</b> cartridge-loader machine operator
<b>94219</b> carpet tape machine tender	<b>94124</b> carver operator - woodworking
<b>94131</b> carpet weaver	<b>53124</b> carver
<b>94131</b> carpet-tufting machine operator	<b>94124</b> carving machine operator - woodworking
<b>94131</b> carpet-weaving machine operator	

<b>62024</b> carwash supervisor	<b>64321</b> casino runner
<b>94140</b> cascade blender - tobacco processing	<b>62022</b> casino section head
<b>42201</b> case aide - social services	<b>62022</b> casino shift manager
<b>94219</b> case assembler and finisher	<b>64321</b> casino slot machine attendant
<b>95109</b> case filler	<b>94124</b> cask maker
<b>94100</b> case hardener - primary metal processing	<b>95109</b> casket liner
<b>95109</b> case liner	<b>95109</b> casket trimmer
<b>13112</b> case load planner - home health care services	<b>63221</b> casket upholsterer
<b>41300</b> case management consultant - social work	<b>33109</b> cast room technician
<b>41300</b> case management social worker	<b>94103</b> caster - concrete products
<b>31203</b> case manager occupational therapist	<b>94111</b> caster - plastic manufacturing
<b>95109</b> case marker	<b>11202</b> casting agent for extras
<b>95109</b> case packer	<b>11202</b> casting agent
<b>43203</b> case review officer - immigration	<b>51120</b> casting director
<b>95106</b> case stacker - food and beverage processing	<b>95100</b> casting helper
<b>41300</b> case work consultant - social work	<b>95100</b> casting house labourer
<b>95106</b> caser - tobacco processing	<b>95100</b> casting machine helper
<b>41300</b> casework supervisor - social work	<b>94101</b> casting machine operator - foundry
<b>41300</b> caseworker - social work	<b>94100</b> casting machine operator - primary metal processing
<b>80020</b> cash crop farmer	<b>92010</b> casting operations foreman/woman
<b>14200</b> cash on delivery (COD) clerk	<b>92010</b> casting room foreman/woman
<b>12011</b> cash receipts supervisor	<b>94111</b> casting room operator - plastic manufacturing
<b>62010</b> cashier supervisor - retail	<b>95100</b> casting wheel operator helper
<b>65100</b> cashier	<b>95100</b> castings cleaner - primary metal and mineral products processing
<b>65100</b> cashier-wrapper	<b>94104</b> castings inspector - foundry
<b>94143</b> casing grader - food and beverage processing	<b>94104</b> castings tester - primary metal and mineral products processing
<b>94140</b> casing machine operator - food and beverage processing	<b>95100</b> castings trimmer
<b>94140</b> casing machine operator - tobacco processing	<b>31301</b> casual duty nurse
<b>94140</b> casing machine tender - tobacco processing	<b>75212</b> casual worker - public works
<b>95106</b> casing salter - food and beverage processing	<b>21210</b> casualty actuary
<b>95106</b> casing shirrer - food and beverage processing	<b>12201</b> casualty insurance adjuster
<b>95106</b> casing stripper - food and beverage processing	<b>12202</b> casualty insurance products analyst-designer
<b>94152</b> casing-in machine set-up operator - printing	<b>12202</b> casualty underwriter - insurance
<b>94152</b> casing-in machine tender - printing	<b>80020</b> cat breeder
<b>65100</b> casino cashier	<b>73400</b> cat operator
<b>62022</b> casino dealer supervisor	<b>73400</b> cat skinner
<b>64321</b> casino dealer	<b>65109</b> catalogue agent - retail
<b>00014</b> casino general manager	<b>64101</b> catalogue agent - wholesale
<b>50012</b> casino operations manager	<b>14301</b> catalogue compiler
<b>62022</b> casino pit boss	

<b>52120</b> catalogue illustrator	<b>52120</b> cell animator
<b>65109</b> catalogue sales agent - retail	<b>21110</b> cell biologist
<b>51100</b> cataloguer - library	<b>94100</b> cell operator - primary metal and mineral processing
<b>53100</b> cataloguer - museum	<b>94104</b> cell tester - primary metal processing
<b>52100</b> cataloguing technician	<b>92012</b> cellar master
<b>93101</b> catalytic conversion operator	<b>51122</b> cellist
<b>93101</b> catalytic cracking unit operator	<b>53124</b> cello maker
<b>60020</b> category manager	<b>51122</b> cello teacher - private, conservatory or studio lessons
<b>10012</b> category purchasing manager	<b>94111</b> cellophane bag machine operator - plastic manufacturing
<b>41402</b> category sales analyst	<b>94111</b> cellophane bag maker - plastic manufacturing
<b>63200</b> caterer cook	<b>94212</b> cellophane finisher - plastic manufacturing
<b>65201</b> caterer helper	<b>94111</b> cellophane making worker - plastic manufacturing
<b>65200</b> caterer waiter/waitress	<b>95106</b> cellophaner - tobacco products
<b>60030</b> catering service manager	<b>72205</b> cellular phone installer
<b>62020</b> catering supervisor	<b>21110</b> cellular physiologist
<b>73400</b> caterpillar car operator	<b>72205</b> cellular telephone technician
<b>73400</b> caterpillar operator	<b>94110</b> cellulose film caster - chemical processing
<b>74203</b> caterpillar servicer (except mechanic)	<b>94110</b> cellulose film dry-end tender
<b>72401</b> caterpillar tractor repairer	<b>94110</b> cellulose film rewinder
<b>94201</b> cathode coater - electronic equipment manufacturing	<b>22100</b> cellulose film solutions tester
<b>95100</b> cathode loader	<b>94110</b> cellulose film wet-end tender
<b>94201</b> cathode-ray-tube-processing equipment setter	<b>90011</b> cellulosic ethanol production plant manager
<b>94100</b> cathode-stripping machine operator - zinc electrolysis	<b>75110</b> cement and concrete pump tender
<b>94140</b> catsup maker	<b>95109</b> cement applicator - shoe manufacturing
<b>62101</b> cattle buyer	<b>94103</b> cement block maker - concrete products
<b>60020</b> cattle dealer	<b>94103</b> cement block moulder - concrete products
<b>82030</b> cattle feedlot foreman/woman	<b>73100</b> cement finisher apprentice
<b>84120</b> cattle herdsman	<b>72014</b> cement finisher foreman/woman
<b>82030</b> cattle ranch foreman/woman	<b>75110</b> cement finisher helper
<b>85100</b> cattle ranch labourer	<b>73100</b> cement finisher
<b>85100</b> cattle ranch worker	<b>72014</b> cement finishing contractor
<b>80020</b> cattle rancher	<b>75110</b> cement gun nozzle operator
<b>75110</b> caulker - construction	<b>75110</b> cement gun operator
<b>93101</b> caustic cell operator	<b>75101</b> cement loader and sacker
<b>94121</b> causticizer operator	<b>92010</b> cement manufacturing supervisor
<b>73110</b> cedar shakes shingler	<b>73100</b> cement mason apprentice
<b>73110</b> cedar shingler	<b>73100</b> cement mason
<b>73102</b> ceiling installer	<b>94100</b> cement miller
<b>73102</b> ceiling system installer	

<b>94100</b> cement mixer - primary metal and mineral products processing	<b>93100</b> central control caster - primary metal processing
<b>75110</b> cement mixer operator - construction	<b>93100</b> central control caster
<b>94103</b> cement pipe shaper operator - concrete products	<b>93100</b> central control operator - cement manufacturing
<b>94104</b> cement plant inspector	<b>92100</b> central control room operator - electrical power systems
<b>94103</b> cement polisher	<b>93100</b> central control room operator - primary metal and mineral products processing
<b>92010</b> cement processing foreman/woman	<b>93100</b> central control room operator - primary metal processing
<b>92010</b> cement processing supervisor	<b>72205</b> central office equipment inspector - telecommunications
<b>75110</b> cement pump operator	<b>72205</b> central office equipment installer - telecommunications
<b>94100</b> cement pumping tender	<b>72205</b> central office equipment maintainer - telecommunications
<b>72014</b> cement smoother foreman/woman	<b>72205</b> central office equipment repairer - telecommunications
<b>73300</b> cement truck driver - construction	<b>72205</b> central office frame servicer - telecommunications
<b>84101</b> cement truck driver - oil field services	<b>72205</b> central office repairer - telecommunications
<b>94100</b> cementation equipment operator	<b>72205</b> central office technician - telecommunications
<b>84101</b> cementer - oil field services	<b>72205</b> central office tester - telecommunications
<b>94112</b> cementer - rubber products manufacturing	<b>33109</b> central service room worker - hospital
<b>94112</b> cementer operator - rubber products manufacturing	<b>33109</b> central supply aide - medical
<b>94205</b> cement-filling machine operator - electrical equipment manufacturing	<b>33109</b> central supply aide
<b>84101</b> cementing equipment operator - oil field services	<b>33109</b> central supply room supervisor - hospital
<b>82031</b> cemetery foreman/woman	<b>33109</b> central supply room technician - hospital
<b>85121</b> cemetery labourer	<b>72604</b> centralized traffic control (CTC) operator - railway traffic
<b>70012</b> cemetery manager	<b>72604</b> centralized traffic controller - railway traffic
<b>85121</b> cemetery worker	<b>92100</b> central-office power control room operator - electrical power systems
<b>12012</b> census area manager assistant	<b>40020</b> centre assistant manager - hotel school
<b>12012</b> census area manager	<b>94106</b> centreless cylindrical grinder set-up operator
<b>14110</b> census clerk	<b>94106</b> centreless cylindrical-grinder operator
<b>12012</b> census commissioner assistant	<b>94106</b> centreless grinder operator
<b>12012</b> census commissioner	<b>94106</b> centreless grinder set-up operator - metal machining
<b>12012</b> census district manager	<b>94121</b> centri-cleaner tender - pulp and paper
<b>14110</b> census enumerator	<b>94101</b> centrifugal casting machine tender - foundry
<b>14110</b> census taker	<b>94130</b> centrifugal extractor - textile manufacturing
<b>14110</b> census worker	<b>94110</b> centrifugal separator tender - chemical processing
<b>72402</b> central air conditioner installer	
<b>72402</b> central air conditioner repairer	
<b>72402</b> central air conditioning installer	
<b>72402</b> central air conditioning mechanic	
<b>72402</b> central air conditioning repairer	
<b>72402</b> central air conditioning servicer	

<b>94140</b> centrifugal station tender - food and beverage processing	<b>31204</b> certified athletic therapist (CAT)
<b>94142</b> centrifuge machine tender - fish processing	<b>31112</b> certified audiologist
<b>94130</b> centrifuge operator - textile manufacturing	<b>22313</b> certified avionics technician
<b>94110</b> centrifuge tender - chemical processing	<b>32103</b> certified clinical perfusionist (CCP)
<b>95106</b> centrifuge tender - food and beverage processing	<b>22303</b> certified construction estimator
<b>95106</b> centrifuge tender - meat packing plant	<b>33100</b> certified dental assistant
<b>94213</b> ceramic and enamel refinisher	<b>32112</b> certified dental technician (CDT)
<b>53124</b> ceramic artist	<b>11200</b> certified disability management professional
<b>33100</b> ceramic denture caster	<b>65220</b> certified dog master
<b>33100</b> ceramic denture mechanic	<b>41400</b> certified ergonomist
<b>33100</b> ceramic denture moulder	<b>11102</b> certified financial planner
<b>94213</b> ceramic enameler	<b>54100</b> certified fitness appraiser
<b>94101</b> ceramic mouldmaker - foundry	<b>11100</b> certified general accountant (CGA)
<b>94213</b> ceramic painter	<b>31112</b> certified hearing aid audiologist
<b>53124</b> ceramic potter	<b>41400</b> certified industrial hygienist
<b>94213</b> ceramic spray painter	<b>52121</b> certified interior designer
<b>94213</b> ceramic sprayer	<b>51114</b> certified interpreter (C.Int.)
<b>73101</b> ceramic tile installer	<b>33100</b> certified intra-oral dental assistant
<b>94103</b> ceramic tile press operator - concrete products	<b>32209</b> certified iridologist
<b>73101</b> ceramic tilesetter	<b>31204</b> certified kinesiologist
<b>51101</b> ceramics and glass conservator	<b>64312</b> certified load control agent - airline
<b>21322</b> ceramics engineer	<b>64312</b> certified load planner - airline
<b>53124</b> ceramics teacher (except education)	<b>11100</b> certified management accountant (CMA)
<b>53124</b> ceramist	<b>11201</b> certified management consultant
<b>80020</b> cereal and oilseed grower	<b>32101</b> certified nursing assistant (CNA)
<b>80020</b> cereal and oilseed producer	<b>33109</b> certified ophthalmic assistant
<b>94140</b> cereal baker - food and beverage processing	<b>32109</b> certified ophthalmic medical technologist
<b>94140</b> cereal cleaner	<b>32109</b> certified ophthalmic technician
<b>94140</b> cereal cooker and extruder operator	<b>32129</b> certified orthotist (CO)
<b>80020</b> cereal farm manager	<b>32129</b> certified pedorthist (C Ped)
<b>80020</b> cereal grower	<b>54100</b> certified personal trainer
<b>94140</b> cereal maker - food and beverage processing	<b>32124</b> certified pharmacy technician
<b>94140</b> cereal oven tender	<b>32129</b> certified prosthetist
<b>80020</b> cereal producer	<b>32129</b> certified prosthetist-orthotist (CPO)
<b>94140</b> cereal-cleaning equipment operator	<b>32209</b> certified reflexologist
<b>94140</b> cereal-coating operator	<b>42201</b> certified return-to-work coordinator - disability management
<b>94152</b> Cerlox binder operator - printing	<b>42201</b> certified return-to-work facilitator - disability management
<b>94152</b> Cerlox binder operator	<b>32209</b> certified rolfer
<b>72404</b> certified aircraft technician	<b>41300</b> certified social worker

<b>51114</b> certified terminologist (C.Term.)	<b>00011</b> chairperson - government services
<b>51114</b> certified translator (C.Tr.)	<b>00013</b> chairperson - health, education, social and community services and membership organizations
<b>65311</b> cesspool cleaner	<b>00014</b> chairperson - trade, broadcasting and other services
<b>94112</b> chafer builder	<b>33100</b> chair-side assistant - dental
<b>94131</b> chain builder - textiles	<b>95100</b> chalk extruder
<b>94211</b> chain carrier glue clamp operator - wood products manufacturing	<b>95100</b> chalk moulder - mineral products processing
<b>95103</b> chain conveyor tender - sawmill	<b>40030</b> Chamber of Commerce administrator
<b>95103</b> chain conveyor tender - wood processing	<b>62024</b> chambermaid supervisor
<b>94107</b> chain inspector	<b>65310</b> chambermaid
<b>73200</b> chain link fence erector	<b>94107</b> chamfering and boring machine operator - metal products manufacturing
<b>84110</b> chain saw operator - logging	<b>94107</b> chamfering machine tender
<b>94107</b> chain tester	<b>00013</b> chancellor - education
<b>95105</b> chainer - textile processing	<b>41302</b> chancellor - religion
<b>94107</b> chain-link fence machine operator	<b>94107</b> chandelier maker
<b>94107</b> chain-making machine feeder	<b>95109</b> channel closer - shoe manufacturing
<b>94107</b> chain-making machine operator	<b>94101</b> channel furnace operator - foundry
<b>94107</b> chain-making machine tender	<b>10022</b> channel marketing manager
<b>75119</b> chainman/woman - land surveying	<b>60010</b> channel sales manager
<b>94131</b> chainman/woman - textiles	<b>94219</b> channeler - footwear manufacturing
<b>95103</b> chainman/woman - wood processing	<b>51121</b> chansonnier
<b>94107</b> chain-testing machine tender	<b>41302</b> chaplain - Canadian Armed Forces
<b>94210</b> chair assembler	<b>41302</b> chaplain
<b>92022</b> chair assembly foreman/woman - furniture and fixtures manufacturing	<b>95106</b> char filter helper - food and beverage processing
<b>94210</b> chair caner - furniture manufacturing	<b>94140</b> char filter tender - food and beverage processing
<b>94210</b> chair inspector - furniture manufacturing	<b>92012</b> char house foreman/woman - food and beverage processing
<b>94124</b> chair leveler - woodworking	<b>95106</b> char kiln helper - food and beverage processing
<b>95109</b> chair sander	<b>94140</b> char kiln tender - food and beverage processing
<b>94124</b> chair seat planer tender	<b>52120</b> character animator
<b>94210</b> chair seat weaver	<b>53122</b> charcoal artist
<b>95109</b> chair trimmer	<b>94110</b> charcoal burner
<b>63221</b> chair upholsterer	<b>94100</b> charge control operator
<b>00012</b> chairman/woman - financial, communications and other business services	<b>14101</b> charge operator - telephone system
<b>00011</b> chairman/woman - government services	<b>32123</b> charge technologist - electrocardiography
<b>00013</b> chairman/woman - health, education, social and community services and membership organizations	<b>95100</b> charge weigher - primary metal processing
<b>00014</b> chairman/woman - trade, broadcasting and other services	<b>94205</b> charger - electrical equipment manufacturing
<b>00012</b> chairperson - financial, communications and other business services	<b>94219</b> charger - jewellery manufacturing

<b>95100</b> charger helper - primary metal processing	<b>94201</b> chassis installer - electronic equipment manufacturing
<b>94205</b> charger operator - electrical equipment manufacturing	<b>65229</b> chat line agent
<b>94100</b> charging car operator	<b>72024</b> chauffeurs and taxi drivers supervisor
<b>72205</b> charging equipment attendant - telecommunications	<b>72024</b> chauffeurs supervisor
<b>94100</b> charging machine operator - mineral and metal processing	<b>72600</b> check pilot
<b>94205</b> charging room operator - electrical equipment manufacturing	<b>65320</b> checker - laundry and dry cleaning
<b>00013</b> charitable organization director	<b>64312</b> check-in agent - airline
<b>00013</b> charitable organization executive director	<b>64313</b> check-in agent (except airline)
<b>14110</b> chart clerk	<b>65329</b> checkroom attendant
<b>75210</b> charter boat captain	<b>94140</b> cheese blender - food and beverage processing
<b>75210</b> charter boat master	<b>94140</b> cheese cooker
<b>75210</b> charter boat operator	<b>95106</b> cheese cutter
<b>73301</b> charter bus driver	<b>95106</b> cheese factory worker
<b>14405</b> charter coordinator	<b>94143</b> cheese grader
<b>72600</b> charter pilot	<b>94140</b> cheese grater
<b>11100</b> chartered accountant (CA)	<b>95106</b> cheese maker helper
<b>10019</b> chartered administrator - management	<b>94140</b> cheese maker
<b>12203</b> chartered appraiser	<b>62200</b> chef de cuisine
<b>12203</b> chartered business valuator (CBV)	<b>62200</b> chef de partie
<b>11101</b> chartered financial analyst	<b>62200</b> chef pâtissier
<b>11100</b> chartered professional accountant, certified general accountant (CPA, CGA)	<b>62200</b> chef
<b>11100</b> chartered professional accountant, certified management accountant (CPA, CMA)	<b>22100</b> chemical analysis specialist
<b>11100</b> chartered professional accountant, chartered accountant (CPA, CA)	<b>22100</b> chemical analyst
<b>31200</b> chartered psychologist	<b>85121</b> chemical applicator - lawn care
<b>10019</b> chartered secretary - management	<b>21320</b> chemical coating engineer
<b>13200</b> chartered shipbroker	<b>21320</b> chemical engineer
<b>65310</b> charworker	<b>41200</b> chemical engineering professor - university
<b>84110</b> chaser - logging	<b>22100</b> chemical engineering technician
<b>94201</b> chassis assembler - electronic equipment manufacturing	<b>22100</b> chemical engineering technologist
<b>94200</b> chassis assembler - motor vehicle manufacturing	<b>22100</b> chemical forensic lab analyst
<b>94200</b> chassis assembly inspector - motor vehicle manufacturing	<b>22100</b> chemical laboratory analyst
<b>92020</b> chassis assembly supervisor - motor vehicle manufacturing	<b>22100</b> chemical laboratory supervisor
<b>94200</b> chassis inspector - motor vehicle manufacturing	<b>22100</b> chemical laboratory technician
	<b>22100</b> chemical laboratory technologist
	<b>94121</b> chemical liquor preparation operator - pulp and paper
	<b>20011</b> chemical manager
	<b>94153</b> chemical mixer - photographic processing
	<b>21102</b> chemical oceanographer
	<b>21100</b> chemical physicist

<b>95102</b> chemical plant labourer	<b>21101</b> chemistry research scientist
<b>94110</b> chemical plant machine operator	<b>21101</b> chemistry researcher
<b>72400</b> chemical plant service mechanic	<b>21210</b> chemistry statistician
<b>22100</b> chemical process analyst	<b>41210</b> chemistry teacher - agricultural school
<b>21320</b> chemical process control engineer	<b>41220</b> chemistry teacher - secondary school
<b>21320</b> chemical process engineer	<b>94121</b> chemi-thermomechanical pulp (CTMP) machine assistant operator
<b>75119</b> chemical process equipment mechanic helper	<b>94121</b> chemi-thermomechanical pulp (CTMP) operator
<b>72400</b> chemical process equipment mechanic	<b>94121</b> chemi-wash operator - pulp and paper
<b>93101</b> chemical process operator	<b>94130</b> chenille tender - textile manufacturing
<b>22100</b> chemical process technologist	<b>14200</b> cheque control clerk
<b>93101</b> chemical process unit operator	<b>54100</b> chess instructor
<b>93101</b> chemical processing chief technician	<b>53200</b> chess player
<b>22100</b> chemical processing laboratory tester	<b>95106</b> chewing gum batch mixer
<b>94110</b> chemical processing machine operator	<b>95106</b> chewing gum production attendant
<b>92011</b> chemical processing plant foreman/woman	<b>94140</b> chewing-gum machine tender
<b>22100</b> chemical processing quality control technician	<b>84120</b> chick sexer
<b>22100</b> chemical processing quality control technologist	<b>85100</b> chicken catcher
<b>92011</b> chemical processing supervisor	<b>80020</b> chicken farmer
<b>22100</b> chemical products quality control technologist	<b>94141</b> chicken plucker
<b>21320</b> chemical project engineer	<b>94140</b> chicle centrifuge operator - food and beverage processing
<b>94121</b> chemical pulping plant operator - pulp and paper	<b>95106</b> chicle-grinder feeder - food and beverage processing
<b>20011</b> chemical research division manager	<b>00011</b> chief - disaster management
<b>22100</b> chemical research technician	<b>11100</b> chief accountant
<b>22100</b> chemical research technologist	<b>20011</b> chief actuary
<b>93101</b> chemical roaster	<b>00011</b> chief administrative officer - government services
<b>84101</b> chemical services operator - oil field services	<b>00011</b> chief administrative officer - regional municipality
<b>94121</b> chemical solutions operator - pulp and paper	<b>72601</b> chief air traffic controller
<b>21101</b> chemical spectroscopist	<b>72020</b> chief aircraft maintenance engineer (AME)
<b>22100</b> chemical technician - heavy water plant and nuclear generating station	<b>32102</b> chief ambulance attendant
<b>22100</b> chemical technician	<b>21200</b> chief architect
<b>22100</b> chemical technologist	<b>50010</b> chief archivist
<b>41210</b> chemical technology teacher	<b>62101</b> chief buyer - retail or wholesale
<b>84101</b> chemical truck operator - oil field services	<b>62101</b> chief buyer
<b>92011</b> chemical unit foreman/woman	<b>62010</b> chief canvasser - retail
<b>72405</b> chemical-processing machine builder	<b>21320</b> chief chemical engineer
<b>62100</b> chemicals sales representative	<b>21300</b> chief civil engineer
<b>21101</b> chemist - biomolecular assembly	<b>50010</b> chief conservator
<b>21101</b> chemist	
<b>41200</b> chemistry professor - university	



<b>00011</b> chief coroner	<b>00012</b> chief financial officer (CFO) - financial, communications and other business services
<b>22112</b> chief cruiser	<b>00015</b> chief financial officer (CFO) - goods production, utilities, transportation and construction
<b>50010</b> chief curator	<b>00013</b> chief financial officer (CFO) - health, education, social and community services and membership organizations
<b>43200</b> chief deputy sheriff	<b>00014</b> chief financial officer (CFO) - trade, broadcasting and other services
<b>40040</b> chief detective - police	<b>00015</b> chief financial officer (CFO) - urban transit system
<b>32122</b> chief diagnostic medical sonographer	<b>93100</b> chief flotation operator
<b>30010</b> chief dietitian	<b>72600</b> chief flying instructor
<b>53100</b> chief display officer - museum	<b>64300</b> chief host/hostess - food services
<b>00012</b> chief diversity officer - financial, communications and other business services	<b>40040</b> chief inspector - police
<b>00015</b> chief diversity officer - goods production, utilities, transport and construction	<b>13100</b> chief invigilator
<b>00013</b> chief diversity officer - health, education, social and community services and membership organizations	<b>41100</b> chief justice
<b>00014</b> chief diversity officer - trade, broadcasting and other services	<b>00012</b> chief learning officer - financial, communications and other business services
<b>22212</b> chief draftsman	<b>00015</b> chief learning officer - goods production, utilities, transportation and construction
<b>00011</b> chief electoral officer	<b>00013</b> chief learning officer - health, education, social and community services and membership organizations
<b>21310</b> chief electrical engineer	<b>00014</b> chief learning officer - trade, broadcasting and other services
<b>72011</b> chief electrician	<b>50010</b> chief librarian
<b>32123</b> chief electroencephalograph technologist	<b>52119</b> chief lighting technician
<b>21310</b> chief electronics engineer	<b>72603</b> chief marine engineer - water transport
<b>21310</b> chief engineer - electric power	<b>21301</b> chief mechanical engineer
<b>21310</b> chief engineer - radio and television broadcasting	<b>00011</b> chief medical examiner
<b>72603</b> chief engineer - water transport	<b>00013</b> chief nursing officer - health, education, social and community services and membership organizations
<b>22303</b> chief estimator - construction	<b>30010</b> chief of anatomical pathology
<b>00012</b> chief executive officer (CEO) - financial, communications and other business services	<b>30010</b> chief of anesthesia
<b>00015</b> chief executive officer (CEO) - goods production, utilities, transportation and construction	<b>30010</b> chief of audiology and speech language pathology
<b>00013</b> chief executive officer (CEO) - health, education, social and community services and membership organizations	<b>30010</b> chief of biomedical engineering service
<b>00015</b> chief executive officer (CEO) - manufacturing company	<b>30010</b> chief of cardiology
<b>00012</b> chief executive officer (CEO) - telephone company	<b>30010</b> chief of dermatology
<b>00014</b> chief executive officer (CEO) - trade, broadcasting and other services	<b>30010</b> chief of diagnostic imaging
<b>53100</b> chief exhibit officer - museum	<b>30010</b> chief of diagnostic radiology
<b>00012</b> chief financial officer (CFO) - advertising agency	<b>30010</b> chief of emergency medicine
	<b>30010</b> chief of endocrinology

<b>30010</b> chief of gastro-enterology	<b>32103</b> chief perfusionist
<b>30010</b> chief of hematology	<b>21332</b> chief petroleum engineer
<b>30010</b> chief of housing activities	<b>53110</b> chief photographer
<b>30010</b> chief of infectious diseases	<b>72600</b> chief pilot - air transport
<b>30010</b> chief of laboratory medicine	<b>72600</b> chief pilot
<b>30010</b> chief of medical staff	<b>92011</b> chief power engineer
<b>30010</b> chief of medicine	<b>53100</b> chief preparator - museums and art galleries
<b>30010</b> chief of nephrology	<b>53100</b> chief preparator
<b>30010</b> chief of neurology	<b>00015</b> chief privacy officer - construction, transportation, production and utilities
<b>30010</b> chief of obstetrics and gynecology	<b>00012</b> chief privacy officer - financial, communications and other business services
<b>30010</b> chief of occupational therapy	<b>00011</b> chief privacy officer - government services
<b>30010</b> chief of operating area	<b>00013</b> chief privacy officer - health, education, social and community services and membership organizations
<b>30010</b> chief of ophthalmology	<b>00014</b> chief privacy officer - trade, broadcasting and other services
<b>30010</b> chief of pathology	<b>21320</b> chief process engineer
<b>30010</b> chief of pediatrics	<b>32121</b> chief radiographer
<b>30010</b> chief of pharmacy	<b>30010</b> chief radiology technologist
<b>30010</b> chief of physiotherapy	<b>32121</b> chief radiotherapy technologist
<b>40040</b> chief of police	<b>72604</b> chief rail traffic controller
<b>13101</b> chief of property management	<b>32103</b> chief respiratory technologist
<b>40019</b> chief of protocol	<b>10011</b> chief safety officer - occupational health and safety
<b>30010</b> chief of psychiatry	<b>22112</b> chief scaler
<b>30010</b> chief of psychology	<b>62029</b> chief security guard
<b>30010</b> chief of radiation oncology	<b>43200</b> chief sheriff
<b>30010</b> chief of respirology	<b>52119</b> chief stage electrician
<b>30010</b> chief of rheumatology	<b>92011</b> chief stationary engineer
<b>30010</b> chief of staff - hospital	<b>00011</b> chief statistician - government services
<b>30010</b> chief of surgery	<b>64311</b> chief steward - ship
<b>30010</b> chief of urology	<b>92011</b> chief substation operator
<b>00015</b> chief operating officer - airline	<b>40021</b> chief superintendent - schools
<b>00012</b> chief operating officer - engineering firm	<b>40040</b> chief superintendent
<b>00012</b> chief operating officer - financial, communications and other business services	<b>00012</b> chief sustainability officer - financial, communications and other business services
<b>00015</b> chief operating officer - goods production, utilities, transportation and construction	<b>00015</b> chief sustainability officer - goods production, transportation and utilities
<b>00013</b> chief operating officer - health, education, social and community services and membership organizations	<b>00013</b> chief sustainability officer - health, education, social and community services and membership organizations
<b>00014</b> chief operating officer - trade, broadcasting and other services	
<b>93101</b> chief operator - chemical processing	
<b>93100</b> chief operator - zinc pressure leach	
<b>31303</b> chief orthoptist	

<b>00014</b> chief sustainability officer - trade, broadcasting and other services	<b>64100</b> children's wear sales clerk
<b>14101</b> chief telephone operator	<b>64100</b> children's wear salesperson - retail
<b>72604</b> chief train dispatcher	<b>94110</b> chiller operator - chemical processing
<b>65200</b> chief wine steward	<b>94110</b> chiller tender - chemical processing
<b>41301</b> child and family counsellor	<b>95106</b> chilling worker - food and beverage processing
<b>41301</b> child and youth counsellor	<b>72320</b> chimney bricklayer
<b>42201</b> child and youth worker	<b>65311</b> chimney cleaner
<b>43100</b> child care attendant - elementary school	<b>72320</b> chimney repair bricklayer
<b>41403</b> child care licensing officer	<b>72320</b> chimney repair stonemason
<b>44100</b> child care live-in caregiver	<b>65311</b> chimney sweep
<b>44100</b> child care provider - private home	<b>64100</b> china and crystal salesperson - retail
<b>42202</b> child care worker - daycare	<b>32200</b> Chinese medicine doctor
<b>42202</b> child care worker assistant	<b>32200</b> Chinese medicine herbalist
<b>44100</b> child caregiver - private home	<b>32200</b> Chinese medicine practitioner
<b>41404</b> child health care programs planning officer	<b>95103</b> chip bin attendant - wood processing
<b>42201</b> child life specialist	<b>95103</b> chip dump operator - wood processing
<b>44100</b> child minder	<b>94120</b> chip reclaim operator - sawmill
<b>31200</b> child psychologist	<b>94129</b> chip screen tender - wood processing
<b>43109</b> child safety educator	<b>95103</b> chip silo attendant - wood processing
<b>31100</b> child specialist	<b>95103</b> chip storage attendant - wood processing
<b>41403</b> child welfare policy analyst	<b>94129</b> chip-mixing machine tender - wood processing
<b>40010</b> child welfare regional manager - government services	<b>94120</b> Chip-N-Saw operator - sawmill
<b>40030</b> child welfare services administrator	<b>95101</b> chipper - metal products manufacturing
<b>40010</b> child welfare services manager - government services	<b>94129</b> chipper operator
<b>41300</b> child welfare social worker	<b>95101</b> chipper-grinder - metal products manufacturing
<b>42201</b> child welfare worker	<b>95101</b> chipper-grinder
<b>40030</b> child-care centre administrator	<b>83110</b> chipping machine operator - logging
<b>40030</b> child-care centre director	<b>83110</b> chipping machine operator
<b>41403</b> child-care programs planning officer	<b>31209</b> chiropodist
<b>41210</b> child-care service teacher - college level	<b>33109</b> chiropractic aide
<b>41210</b> child-care service teacher	<b>33109</b> chiropractic assistant
<b>41403</b> child-care services liaison officer	<b>33109</b> chiropractic health assistant
<b>42201</b> child-care worker (except day care)	<b>33109</b> chiropractic office assistant
<b>41300</b> children's aid investigator	<b>33109</b> chiropractor aide
<b>40030</b> children's aid society director	<b>31201</b> chiropractor
<b>64100</b> children's clothing sales clerk	<b>95101</b> chisel grinder - metal products manufacturing
<b>41301</b> children's counsellor	<b>93101</b> chlor-alkali plant cell room operator
<b>44100</b> children's guardian	<b>93101</b> chlorination plant operator
<b>51100</b> children's services librarian	<b>92011</b> chlorine plant foreman/woman
	<b>93101</b> chlorine plant operator
	<b>92012</b> chocolate candy processing foreman/woman

<b>94140</b> chocolate chips maker	<b>65312</b> church caretaker
<b>94140</b> chocolate coater - food and beverage processing	<b>51122</b> church organist
<b>94140</b> chocolate crumbs maker	<b>13110</b> church secretary
<b>92012</b> chocolate factory foreman/woman	<b>42204</b> church worker
<b>94140</b> chocolate machine moulder	<b>72501</b> churn drill operator - water well drilling
<b>63202</b> chocolate maker	<b>75110</b> churn drill operator helper - water well
<b>95106</b> chocolate processing helper	<b>83100</b> chute blaster - underground mining
<b>94140</b> chocolate refiner	<b>83100</b> chute blaster
<b>92012</b> chocolate refining foreman/woman	<b>84100</b> chute gate operator - underground mining
<b>94140</b> chocolate temperer	<b>84100</b> chute loader - underground mining
<b>51121</b> choir director	<b>84100</b> chute operator - underground mining
<b>51121</b> choir leader	<b>85110</b> chute puller
<b>51121</b> choirmaster	<b>94140</b> cider maker
<b>85120</b> choke setter - logging	<b>94140</b> cider plant worker
<b>94201</b> choke winder - electronic equipment manufacturing	<b>95106</b> cigar bander
<b>85120</b> chokerman/woman - logging	<b>95106</b> cigar brander
<b>85120</b> chokerman/woman	<b>94140</b> cigar bunch maker
<b>94130</b> chopping machine tender	<b>94140</b> cigar buncher
<b>51121</b> choral conductor	<b>94140</b> cigar dryer
<b>51121</b> choral director	<b>94140</b> cigar filler mixer and shredder
<b>51120</b> choreographer	<b>94143</b> cigar grader
<b>51122</b> chorister	<b>94140</b> cigar maker
<b>53120</b> chorus dancer	<b>94140</b> cigar patcher
<b>51121</b> chorus master	<b>95106</b> cigar wrapper
<b>42204</b> Christian Science nurse - non-medical	<b>94219</b> cigarette case maker
<b>42204</b> Christian science practitioner	<b>94140</b> cigarette cork tipper
<b>42204</b> Christian science worker	<b>94140</b> cigarette filter machine tender
<b>80021</b> Christmas tree farm operator	<b>92012</b> cigarette grader foreman/woman
<b>85103</b> Christmas tree shearer	<b>94143</b> cigarette grader
<b>85103</b> Christmas tree trimmer	<b>94219</b> cigarette holder maker
<b>94213</b> chromium plater	<b>92012</b> cigarette inspector foreman/woman
<b>51113</b> chronicler	<b>94140</b> cigarette machine tender
<b>94140</b> chub sausage machine tender	<b>94140</b> cigarette maker operator
<b>94141</b> chuck cap puller - meat packing plant	<b>94140</b> cigarette maker
<b>94124</b> chucking and boring machine operator - woodworking	<b>95106</b> cigarette packer
<b>94124</b> chucking machine operator - woodworking	<b>94140</b> cigarette roller
<b>94106</b> chucking machine set-up operator	<b>94140</b> cigarette stamper
<b>53200</b> chuckwagon driver	<b>94143</b> cigarette tester
<b>53200</b> chuckwagon racer - stampede	<b>94140</b> cigarette tipper
	<b>65109</b> cigarette vendor
	<b>95106</b> cigar-wrapping machine tender

<b>94103</b> cinder block machine operator - concrete products	<b>00010</b> city councilman/woman
<b>72320</b> cinder block mason	<b>51110</b> city editor
<b>72320</b> cinder block setter	<b>00011</b> city hall clerk
<b>72500</b> cinder crane operator	<b>00011</b> city manager
<b>51120</b> cinematographer	<b>40010</b> city medical officer of health - government services
<b>21210</b> cipher expert	<b>21202</b> city planner - land use
<b>94201</b> circuit board assembler	<b>21202</b> city planner
<b>94202</b> circuit breaker assembler	<b>41101</b> city solicitor
<b>94202</b> circuit breaker assembly tester	<b>00011</b> city superintendent
<b>94203</b> circuit breaker fitter - industrial electrical equipment	<b>21203</b> city surveyor
<b>72422</b> circuit breaker mechanic	<b>31102</b> civil aviation medical officer
<b>21310</b> circuit design engineer	<b>22212</b> civil draftsman
<b>22310</b> circuit designer - railway	<b>13100</b> civil emergency measures officer
<b>75201</b> circular distributor	<b>21300</b> civil engineer project manager
<b>94131</b> circular knitter	<b>21300</b> civil engineer
<b>94131</b> circular knitting machine knitter	<b>22300</b> civil engineering design technologist
<b>72999</b> circular saw filer	<b>20010</b> civil engineering manager
<b>94103</b> circular saw operator - concrete, clay and stone products	<b>41200</b> civil engineering professor - university
<b>94120</b> circular saw operator - sawmill	<b>21300</b> civil engineering project manager
<b>94124</b> circular saw operator - woodworking	<b>22300</b> civil engineering studies technologist
<b>94120</b> circular saw operator	<b>22300</b> civil engineering technician
<b>31301</b> circulating nurse	<b>22300</b> civil engineering technologist
<b>14300</b> circulation assistant	<b>21300</b> civil environmental engineer
<b>14300</b> circulation clerk - library	<b>21300</b> civil inspection engineer
<b>10022</b> circulation manager	<b>41101</b> civil lawyer
<b>53121</b> circus artist	<b>21300</b> civil pipeline engineer
<b>53121</b> circus performer	<b>21300</b> civil structural engineer
<b>53111</b> circus rigger	<b>73200</b> cladder
<b>52114</b> circus ringmaster	<b>95100</b> cladding assembler - primary metal processing
<b>12104</b> citizen services officer (CSO) - government services	<b>41101</b> claim attorney
<b>42200</b> citizenship judge	<b>11100</b> claims accountant
<b>41403</b> citizenship officer	<b>12104</b> claims adjudication officer - employment insurance
<b>43203</b> citizenship registration examiner	<b>12104</b> claims adjudicator - employment insurance
<b>94140</b> citrus juice extractor	<b>12201</b> claims adjuster - insurance
<b>00011</b> city administrator	<b>12011</b> claims adjusters supervisor
<b>00010</b> city alderman	<b>40010</b> claims and benefits control chief - employment insurance
<b>41101</b> city attorney	<b>12201</b> claims approver - insurance
<b>00010</b> city councillor	<b>14201</b> claims clerk - insurance
	<b>14202</b> claims collector

<b>12201</b> claims consultant	<b>95100</b> classifier helper - primary metal and mineral products processing
<b>12201</b> claims examiner - insurance	<b>94100</b> classifier operator
<b>12201</b> claims examiner	<b>43100</b> classroom assistant - primary and secondary school
<b>12201</b> claims investigator - insurance	<b>94103</b> clay dry press operator
<b>12201</b> claims investigator	<b>94103</b> clay insulator builder - clay products
<b>11200</b> claims manager - compensation and benefits	<b>53122</b> clay modeller
<b>13100</b> claims officer	<b>94103</b> clay pipe bender
<b>43203</b> claims processing officer - immigration	<b>92010</b> clay preparation foreman/woman
<b>12201</b> claims representative - insurance	<b>94103</b> clay press operator
<b>12201</b> claims representative	<b>95100</b> clay press worker
<b>12011</b> claims service supervisor	<b>95100</b> clay products finisher
<b>65229</b> clairvoyant	<b>94104</b> clay products grader
<b>85102</b> clam digger	<b>94103</b> clay products machine operator
<b>83121</b> clam dredge operator	<b>92010</b> clay products manufacturing foreman/woman
<b>83121</b> clam fisherman/woman	<b>94103</b> clay products moulder
<b>94142</b> clam shucker - fish and seafood processing	<b>94103</b> clay products polisher
<b>94142</b> clam steamer - fish and seafood processing	<b>92010</b> clay shop foreman/woman
<b>94211</b> clamp carrier	<b>94103</b> clay structure moulder and installer
<b>95109</b> clamp remover - wood products manufacturing	<b>94103</b> clay temperer - clay products
<b>94151</b> clamper - camera and platemaking	<b>94104</b> clay tile grader - mineral products processing
<b>75110</b> clamper - construction	<b>92010</b> clay, glass and stone furnace and kiln operations foreman/woman
<b>94203</b> clamper, transformer assembly coils	<b>92010</b> clay, glass and stone furnace and kiln operators supervisor
<b>94124</b> clamping machine tender - woodworking	<b>94103</b> clayware driller
<b>94142</b> clam-shucking machine tender - fish and seafood processing	<b>94103</b> clayware turner
<b>94140</b> clarifying equipment tender - food and beverage processing	<b>94103</b> claywork moulder
<b>53120</b> classical dance instructor	<b>65320</b> cleaner - laundry and dry cleaning
<b>53120</b> classical dancer	<b>65320</b> cleaner and presser - laundry and dry cleaning
<b>41220</b> classical languages secondary school teacher	<b>62024</b> cleaner supervisor
<b>41200</b> classics professor - university	<b>65310</b> cleaner
<b>10011</b> classification and compensation chief	<b>94140</b> cleaning and classifying operator - tobacco processing
<b>14102</b> classification clerk - human resources	<b>62024</b> cleaning and maintenance supervisor
<b>14100</b> classification clerk	<b>94110</b> cleaning compounds mixer
<b>41311</b> classification counsellor - corrections	<b>65310</b> cleaning lady
<b>11200</b> classification officer - human resources	<b>65320</b> cleaning machine operator - laundry and dry cleaning
<b>11200</b> classification policy adviser	<b>65310</b> cleaning man/woman
<b>11200</b> classification specialist	<b>65109</b> cleaning products salesperson - door-to-door sales
<b>64101</b> classified ad salesperson	
<b>14301</b> classified advertising clerk	
<b>51100</b> classifier - library	

<b>00014</b> cleaning service general manager	<b>31112</b> clinical audiologist
<b>64101</b> cleaning services sales representative	<b>21399</b> clinical biomedical engineer
<b>62024</b> cleaning supervisor	<b>21101</b> clinical chemist
<b>65310</b> clean-up crew worker	<b>41301</b> clinical counsellor
<b>94124</b> clean-up sander - woodworking	<b>12111</b> clinical data coordinator
<b>72999</b> clearance diver	<b>31121</b> clinical dietitian
<b>84111</b> clearing saw operator - forestry	<b>32120</b> clinical genetics technologist
<b>94124</b> cleat notcher - woodworking	<b>32209</b> clinical hypnotherapist
<b>41311</b> clemency officer - corrections	<b>31100</b> clinical immunologist
<b>41302</b> clergyman/woman	<b>31100</b> clinical immunology and allergy specialist
<b>14100</b> clerical assistant	<b>33109</b> clinical laboratory helper
<b>12010</b> clerical supervisor	<b>33101</b> clinical laboratory technician
<b>14201</b> clerk - financial sector	<b>32120</b> clinical laboratory technologist
<b>40019</b> Clerk - Legislative Assembly	<b>31301</b> clinical nurse specialist
<b>42200</b> clerk of probate	<b>31301</b> clinical nurse
<b>14103</b> clerk of proceedings - courts	<b>31121</b> clinical nutritionist
<b>14103</b> clerk of process - courts	<b>31203</b> clinical occupational therapist
<b>53202</b> clerk of scales - racetrack	<b>31203</b> clinical occupational therapy specialist
<b>40019</b> clerk of the committee - Legislative Assembly	<b>31303</b> clinical orthoptist
<b>53202</b> clerk of the course - harness racing	<b>31100</b> clinical pathologist
<b>53202</b> clerk of the course - horseback racing	<b>32103</b> clinical perfusion clinical instructor
<b>53202</b> clerk of the course - racetrack	<b>32103</b> clinical perfusion supervisor
<b>00011</b> clerk of the House of Commons	<b>32103</b> clinical perfusionist
<b>40019</b> Clerk of the Legislative Assembly	<b>31120</b> clinical pharmacist
<b>00011</b> Clerk of the Privy Council	<b>31100</b> clinical pharmacologist
<b>14101</b> clerk switchboard operator	<b>31202</b> clinical physical therapist
<b>12011</b> clerks supervisor - bank or financial institution	<b>31202</b> clinical physiotherapist
<b>14100</b> clerk-stenographer	<b>31200</b> clinical psychologist
<b>44101</b> client care attendant - home care	<b>21110</b> clinical research associate
<b>11201</b> client group supervisor	<b>21110</b> clinical research program manager
<b>64409</b> client service clerk	<b>21110</b> clinical research project manager
<b>64312</b> client service representative - airline	<b>21110</b> clinical research trials coordinator
<b>64313</b> client service representative - bus line	<b>30010</b> clinical services manager
<b>22221</b> client support representative - systems	<b>95109</b> clip-loading machine feeder
<b>22214</b> climate data processor	<b>94129</b> clipper operator - wood processing
<b>22214</b> climate service technician	<b>94130</b> clipping machine tender
<b>22214</b> climatological technician	<b>14301</b> clipping marker
<b>21103</b> climatologist	<b>65329</b> cloakroom attendant
<b>72500</b> climbing crane operator	<b>94219</b> clock and timer movement automated line assembler
<b>33109</b> clinic assistant - medical	<b>94219</b> clock and watch assembler
<b>31301</b> clinic nurse	

<b>92024</b> clock and watch assembly foreman/woman	<b>94133</b> cloth inspector
<b>94219</b> clock and watch assembly inspector	<b>95109</b> cloth layer - garment manufacturing
<b>92024</b> clock and watch assembly repairers foreman/woman	<b>94133</b> cloth measurer
<b>92024</b> clock and watch assembly repairers supervisor	<b>94132</b> cloth mender
<b>92024</b> clock and watch assembly supervisor	<b>94130</b> cloth mercerizer operator
<b>94219</b> clock and watch dial installer	<b>94130</b> cloth neutralizer
<b>94219</b> clock and watch finisher	<b>95105</b> cloth offbearer
<b>94219</b> clock and watch hairspring truer	<b>94130</b> cloth printer
<b>92024</b> clock and watch inspection foreman/woman	<b>94131</b> cloth ribber
<b>94219</b> clock and watch movements tester	<b>94133</b> cloth sampler
<b>94219</b> clock assembler	<b>94130</b> cloth shade maker
<b>94219</b> clock assembly adjuster	<b>94130</b> cloth shader
<b>94219</b> clock balance wheel assembler	<b>94130</b> cloth shrinker
<b>94219</b> clock finisher	<b>94133</b> cloth sorter
<b>94219</b> clock hairspring calibrator	<b>94130</b> cloth steamer
<b>94219</b> clock hairspring maker	<b>94130</b> cloth stretcher-dryer tender
<b>94219</b> clock part die casting assembler	<b>94133</b> cloth tester
<b>62202</b> clock repairer	<b>95105</b> cloth turner
<b>62202</b> clock repairman/woman	<b>94130</b> cloth washer - textile manufacturing
<b>64100</b> clock shop clerk	<b>94131</b> cloth weaver
<b>94219</b> clock spring assembler	<b>95105</b> cloth winder
<b>94219</b> clock staker	<b>94130</b> cloth-bleaching range tender
<b>94219</b> clockmaker - manufacturing	<b>95105</b> cloth-cutting machine operator - fabric products manufacturing
<b>62202</b> clockmaker	<b>94130</b> cloth-doubling machine operator
<b>22114</b> cloning technician - cannabis	<b>94130</b> cloth-dyeing range tender
<b>12110</b> closed captioner	<b>65320</b> clothes presser - laundry and dry cleaning
<b>22311</b> closed circuit television installer	<b>94130</b> cloth-finishing range operator
<b>22233</b> closed circuit TV sewer inspector	<b>62101</b> clothing buyer
<b>94132</b> closer - sewing	<b>95105</b> clothing cutter - clothing manufacturing
<b>94132</b> closer sewing machine operator	<b>41210</b> clothing design teacher
<b>95109</b> cloth baler - textiles	<b>53123</b> clothing designer
<b>94130</b> cloth bleacher	<b>90010</b> clothing factory manager
<b>95105</b> cloth carrier	<b>94133</b> clothing inspector
<b>95105</b> cloth cutter - fabric products manufacturing	<b>65320</b> clothing ironer - laundry and dry cleaning
<b>94130</b> cloth dryer	<b>92015</b> clothing manufacturing foreman/woman
<b>94130</b> cloth dyer	<b>95109</b> clothing plant labourer
<b>94133</b> cloth examiner	<b>10012</b> clothing purchasing director
<b>94130</b> cloth finisher	<b>10012</b> clothing purchasing manager
<b>94133</b> cloth grader	<b>64100</b> clothing salesperson - retail
<b>95109</b> cloth hand cutter	<b>64100</b> clothing salesperson



<b>60020</b> clothing store manager	<b>75101</b> coal loader-unloader
<b>94133</b> cloth-measuring machine tender	<b>14404</b> coal mine car dispatcher
<b>94130</b> cloth-neutralizing and cloth-rinsing machine operator	<b>82020</b> coal mine foreman/woman
<b>95105</b> cloth-printing machine helper	<b>83100</b> coal miner
<b>94130</b> cloth-printing machine tender	<b>21322</b> coal preparation consulting engineer
<b>94130</b> cloth-printing roller changer	<b>85110</b> coal sampler
<b>94130</b> cloth-processing range tender	<b>94100</b> coal screener
<b>21231</b> cloud administrator	<b>94100</b> coal separator
<b>20012</b> cloud architect manager	<b>93101</b> coal tar distiller
<b>21231</b> cloud architect	<b>94100</b> coal washer
<b>21232</b> cloud developer	<b>75101</b> coal wheeler
<b>21231</b> cloud engineer	<b>92010</b> coal-and-coke crushing and grinding foreman/woman
<b>20012</b> cloud engineering manager	<b>75101</b> coal-moving equipment operator
<b>21231</b> cloud infrastructure engineer	<b>94100</b> coarse salt equipment operator
<b>21231</b> cloud operations engineer	<b>72603</b> Coast Guard vessel chief engineer
<b>20012</b> cloud operations manager	<b>72602</b> Coast Guard vessel chief officer
<b>21222</b> cloud service management specialist	<b>72602</b> Coast Guard vessel commanding officer
<b>20012</b> cloud services manager	<b>72603</b> Coast Guard vessel first watchkeeping engineer
<b>20012</b> cloud solutions architect manager	<b>72602</b> Coast Guard vessel first watchkeeping officer
<b>53121</b> clown	<b>72603</b> Coast Guard vessel marine engineer officer
<b>65200</b> club car attendant	<b>72602</b> Coast Guard vessel navigation officer
<b>65211</b> clubhouse attendant	<b>72603</b> Coast Guard vessel second engineer
<b>62029</b> clubhouse attendants supervisor	<b>72602</b> Coast Guard vessel second officer
<b>94204</b> clutch assembler	<b>72603</b> Coast Guard vessel second watchkeeping engineer
<b>94204</b> clutch inspector	<b>72602</b> Coast Guard vessel second watchkeeping officer
<b>94204</b> clutch preassembler	<b>72603</b> Coast Guard vessel senior engineer
<b>94204</b> clutch rebuilder	<b>72603</b> Coast Guard vessel third engineer
<b>94204</b> coach assembler - bus assembly	<b>72602</b> Coast Guard vessel third officer
<b>53201</b> coach	<b>72603</b> Coast Guard vessel third watchkeeping engineer
<b>94100</b> coal breaker	<b>72602</b> Coast Guard vessel third watchkeeping officer
<b>75101</b> coal conveyor operator - surface mining	<b>72602</b> Coast Guard vessel watchkeeping officer
<b>75101</b> coal conveyor operator	<b>21300</b> coastal engineer
<b>75101</b> coal dumper	<b>65329</b> coat and hat checker
<b>72420</b> coal furnace installer	<b>94205</b> coater - electrical equipment manufacturing
<b>72420</b> coal furnace installer-mechanic	<b>94122</b> coater-laminator - paper products
<b>93101</b> coal gas exhaust operator	<b>92011</b> coating and calendering worker foreman/woman - chemical processing
<b>21102</b> coal geologist	<b>94130</b> coating and embossing unit operator - textile manufacturing
<b>75101</b> coal handler	
<b>84100</b> coal hauler - underground mining	
<b>73300</b> coal hauler (except underground mining)	

<b>94110</b> coating compounds mixer - chemical processing	<b>94140</b> coffee roaster
<b>94213</b> coating equipment operator - metal plating	<b>92012</b> coffee roasting foreman/woman
<b>94213</b> coating equipment operator	<b>95106</b> coffee-blending machine feeder
<b>95102</b> coating machine feeder - chemical processing	<b>94210</b> coffin and casket fitter
<b>95104</b> coating machine feeder - plastic products manufacturing	<b>94202</b> coil adjuster - electrical equipment manufacturing
<b>95104</b> coating machine feeder - rubber products manufacturing	<b>94201</b> coil assembler - electronic equipment manufacturing
<b>95103</b> coating machine helper	<b>94203</b> coil assembler - industrial electrical equipment
<b>94110</b> coating machine operator - chemical processing	<b>95100</b> coil bander - primary metal processing
<b>94205</b> coating machine operator - electrical equipment manufacturing	<b>94203</b> coil builder - industrial electrical equipment
<b>94213</b> coating machine operator - industrial painting and coating	<b>72422</b> coil connector repairer
<b>94130</b> coating machine operator - textile manufacturing	<b>94202</b> coil finisher - electrical equipment manufacturing
<b>94110</b> coating machine tender - chemical processing	<b>94203</b> coil former - industrial electrical equipment
<b>94213</b> coating machine tender - product manufacturing	<b>94201</b> coil inspector - electronic equipment manufacturing
<b>94130</b> coating machine tender - textile manufacturing	<b>94107</b> coil machine operator
<b>94213</b> coating oven tender - manufacturing	<b>94203</b> coil maker - industrial electrical equipment
<b>94140</b> coating pan operator - food and beverage processing	<b>94203</b> coil shaper - industrial electrical equipment
<b>92014</b> coating room foreman/woman - pulp and paper	<b>94213</b> coil spring dipper
<b>94213</b> coating tank dipper	<b>95101</b> coil spring grinder - metal products manufacturing
<b>21101</b> coatings chemist	<b>94107</b> coil spring machine tender
<b>63220</b> cobbler	<b>94202</b> coil taper - electrical equipment manufacturing
<b>65200</b> cocktail waiter/waitress	<b>72422</b> coil winder and repairer
<b>95106</b> cocoa bean cleaner	<b>92021</b> coil winding foreman/woman - electronics manufacturing
<b>95106</b> cocoa bean press-mill helper	<b>84101</b> coiled tubing operator - oil field services
<b>95106</b> cocoa bean roaster helper	<b>94107</b> coiler - metal products manufacturing
<b>94140</b> cocoa bean roaster	<b>94100</b> coiler operator - primary metal processing
<b>94140</b> cocoa bean-shelling machine tender	<b>94107</b> coiling machine operator - metal products manufacturing
<b>94140</b> cocoa butter filterer	<b>94107</b> coil-rewind machine tender
<b>94140</b> cocoa mill operator	<b>94201</b> coil-winding machine operator - electronic equipment manufacturing
<b>95106</b> cocoa powder mixer	<b>94203</b> coil-winding machine setter - industrial electrical equipment
<b>94140</b> cocoa-nib grinder	<b>94202</b> coil-winding machine tender - automatic electrical equipment
<b>14110</b> coding clerk - statistics	<b>60020</b> coin dealer
<b>94205</b> coding machine tender - electrical equipment manufacturing	<b>65329</b> coin laundry attendant
<b>94140</b> coffee blender	<b>94110</b> coke by-products pump operator - chemical processing
<b>94140</b> coffee grinder	
<b>94202</b> coffee maker assembler	

<b>94100</b> coke by-products pump operator - primary metal processing	<b>12104</b> collection agent - government services
<b>94100</b> coke calciner operator	<b>14202</b> collection agent (except taxation)
<b>94100</b> coke grinder	<b>70021</b> collection and delivery operations manager - postal service
<b>94104</b> coke inspector - primary metal processing	<b>10021</b> collection centre manager
<b>95100</b> coke loader - primary metal processing	<b>14202</b> collection clerk
<b>94100</b> coke oven door operator	<b>12011</b> collection clerks supervisor
<b>95100</b> coke oven heater helper	<b>13111</b> collection legal assistant
<b>94100</b> coke oven heater	<b>10021</b> collection manager - bank or trust company
<b>94100</b> coke oven operator	<b>10021</b> collection manager
<b>95100</b> coke oven standpipe attendant	<b>12104</b> collection officer - taxation
<b>95100</b> coke oven tar chaser	<b>14202</b> collection officer (except taxation)
<b>92010</b> coke ovens foreman/woman	<b>42200</b> collection paralegal
<b>93100</b> coke plant by-products operator	<b>12011</b> collection supervisor
<b>94104</b> coke sampler and tester - primary metal processing	<b>74205</b> collection truck driver - public works
<b>94100</b> coke screen tender	<b>12104</b> collection unit head - government services
<b>92010</b> coke screening foreman/woman - mineral and metal processing	<b>51102</b> collections archivist
<b>92010</b> coke screening foreman/woman	<b>10010</b> collections department manager
<b>94100</b> coke-screen and coke-blender tender	<b>14202</b> collections investigation officer
<b>94105</b> cold drawn operator - metal forging	<b>11200</b> collective agreement negotiator
<b>62200</b> cold foods chef	<b>12104</b> collector of taxes
<b>95100</b> cold mill feeder - primary metal processing	<b>14202</b> collector
<b>93100</b> cold mill operator - primary metal processing	<b>00013</b> college chancellor
<b>94105</b> cold press operator - metal forging	<b>41320</b> college counsellor
<b>94124</b> cold press tender - woodworking	<b>40020</b> college director - post-secondary education
<b>95100</b> cold roll catcher - primary metal processing	<b>41210</b> college instructor
<b>95100</b> cold rolling mill feeder - primary metal processing	<b>41201</b> college laboratory assistant
<b>94100</b> cold steel roller - steel production	<b>41210</b> college lecturer
<b>94100</b> cold steel rolling mill operator	<b>41210</b> college of applied arts and technology instructor
<b>14112</b> cold-composition typographer	<b>41210</b> college of applied arts and technology teacher
<b>75211</b> cold-storage checker - transport	<b>00013</b> college president
<b>60040</b> cold-storage manager	<b>40021</b> college principal - secondary level
<b>14112</b> cold-typesetting typographer	<b>40020</b> college registrar
<b>94219</b> collar and belt turner	<b>41210</b> college teacher
<b>94152</b> collating machine operator - printing	<b>41201</b> college teaching assistant
<b>95109</b> collator tender - printing	<b>72411</b> collision repair technician
<b>95109</b> collator-inserter tender - printing	<b>40042</b> colonel
<b>14101</b> collect call operator - telephone system	<b>94150</b> colour and large copier operator
<b>64101</b> collection agency sales representative	<b>52120</b> colour artist - cartoons
	<b>52121</b> colour consultant - home decorating
	<b>94150</b> colour copier operator

<b>94151</b> colour correction scanning machine operator	<b>94130</b> combining and drawing machine tender - textile manufacturing
<b>94151</b> colour edition preparer - printing	<b>53121</b> comedian
<b>94153</b> colour film analyzer - photographic processing	<b>53121</b> comic
<b>94133</b> colour grader - textiles	<b>40042</b> commander
<b>94110</b> colour grinder tender - chemical processing	<b>40040</b> commanding officer - police
<b>94110</b> colour matcher - chemical processing	<b>72602</b> commanding officer - water transport
<b>94133</b> colour matcher - textiles	<b>51113</b> commentator
<b>94130</b> colour mixer - textile manufacturing	<b>41402</b> commerce officer
<b>94150</b> colour photocopier operator	<b>41220</b> commerce teacher - secondary school
<b>94150</b> colour photocopy operator	<b>60010</b> commercial accounts manager
<b>94201</b> colour picture tube assembler	<b>64101</b> commercial agent - wholesale
<b>94151</b> colour printer-technician - photographic processing	<b>75119</b> commercial air conditioning mechanic helper
<b>94151</b> colour scanner operator - printing	<b>72402</b> commercial air conditioning mechanic
<b>94151</b> colour separation assistant - scanning	<b>72600</b> commercial airline pilot
<b>94151</b> colour separation camera operator - printing	<b>40011</b> commercial analysis director - government services
<b>94151</b> colour separation camera operator	<b>62100</b> commercial and industrial equipment and supplies sales representative - technical wholesale
<b>94151</b> colour separation electronic scanning machine operator	<b>64101</b> commercial and industrial equipment and supplies sales representative - wholesale (non-technical)
<b>94151</b> colour separation operator	<b>52114</b> commercial announcer
<b>52113</b> colour timer - video	<b>41210</b> commercial art instructor
<b>94110</b> colourant weigher and mixer - chemical processing	<b>41210</b> commercial art teacher
<b>94151</b> colour-editing terminal operator - printing	<b>52120</b> commercial artist
<b>94130</b> colourer tender - hide and pelt processing	<b>10021</b> commercial attaché
<b>52120</b> colourist - cartoons	<b>72421</b> commercial bakery appliance technician
<b>94130</b> colourist - textile manufacturing	<b>63102</b> commercial banking accounts officer
<b>93101</b> column operator - chemical processing	<b>10021</b> commercial banking manager
<b>51113</b> columnist	<b>73112</b> commercial building painter
<b>72400</b> comb fixer - textile manufacturing	<b>13101</b> commercial building rental agent
<b>94219</b> comb maker	<b>70010</b> commercial construction manager
<b>72400</b> comb setter - textile manufacturing	<b>73112</b> commercial construction painter
<b>43204</b> combat engineer	<b>52120</b> commercial design artist
<b>94130</b> combed sliver dyer - textile manufacturing	<b>52120</b> commercial designer
<b>94130</b> comber - textile manufacturing	<b>70021</b> commercial development manager - postal and courier services
<b>72205</b> combination man/woman - telecommunications	<b>41402</b> commercial development officer - government
<b>72106</b> combination welder	<b>72999</b> commercial diver
<b>84120</b> combine operator	<b>22212</b> commercial draftsman
<b>32120</b> combined laboratory and x-ray technician	<b>73300</b> commercial driver
<b>32120</b> combined laboratory and x-ray technologist	
<b>95103</b> combiner machine helper	
<b>94121</b> combiner machine operator - paper mill	

<b>72421</b> commercial foodservice appliance technician	<b>73300</b> commercial vehicle operator
<b>72999</b> commercial free-diver	<b>64312</b> commissary agent - airline
<b>72421</b> commercial laundry appliance technician	<b>64311</b> commissary attendant - air transport
<b>13111</b> commercial law administrative assistant	<b>65200</b> commissary waiter/waitress
<b>42200</b> commercial law clerk	<b>10020</b> commission brokers manager - investments
<b>13111</b> commercial law legal assistant	<b>53202</b> commission steward - horse racing
<b>41101</b> commercial law notary	<b>62029</b> commissionaire supervisor
<b>42200</b> commercial law paralegal	<b>64410</b> commissionaire
<b>13111</b> commercial law secretary	<b>21203</b> commissioned land surveyor
<b>41101</b> commercial lawyer	<b>64100</b> commissioned salesperson - retail
<b>10020</b> commercial lines account manager	<b>00011</b> commissioner - government services
<b>10021</b> commercial mortgages accounts manager	<b>42200</b> commissioner of affidavits
<b>10021</b> commercial mortgages manager	<b>00011</b> commissioner of inquiries - government services
<b>10022</b> commercial network development manager	<b>00011</b> commissioner of inquiries
<b>53110</b> commercial photographer	<b>42200</b> commissioner of marriages
<b>72600</b> commercial pilot	<b>12100</b> committee clerk
<b>73401</b> commercial press operator	<b>10020</b> commodities trading manager
<b>13101</b> commercial property manager	<b>11103</b> commodity broker
<b>63101</b> commercial real estate agent	<b>11103</b> commodity trader
<b>63101</b> commercial real estate salesperson	<b>40042</b> commodore
<b>72402</b> commercial refrigeration mechanic	<b>32109</b> communication aide - medical
<b>94202</b> commercial refrigerator assembler	<b>32109</b> communication assistant - medical
<b>41402</b> commercial research analyst	<b>12012</b> communication clerks supervisor
<b>64101</b> commercial salesperson - wholesale	<b>52120</b> communication designer
<b>72999</b> commercial scuba diver	<b>32109</b> communication disorders assistant
<b>62029</b> commercial security officers supervisor	<b>32109</b> communication disorders instructor
<b>94132</b> commercial sewing machine operator	<b>72205</b> communication electrician - network craft
<b>73200</b> commercial sign erector	<b>72205</b> communication electrician apprentice - network craft
<b>73200</b> commercial sign installer	<b>62100</b> communication equipment sales representative
<b>72999</b> commercial skin diver	<b>72204</b> communication line technician
<b>41210</b> commercial subjects teacher - vocational institute	<b>11202</b> communication officer (except emergency services)
<b>72410</b> commercial trailer mechanic	<b>42101</b> communication service firefighter
<b>72410</b> commercial trailer technician	<b>20012</b> communication systems design manager
<b>43202</b> commercial transport inspector	<b>72205</b> communication systems technician
<b>72410</b> commercial transport vehicle mechanic	<b>72204</b> communication technician - construction
<b>73300</b> commercial truck driver	<b>11202</b> communications adviser
<b>12202</b> commercial underwriter - insurance	<b>11202</b> communications consultant
<b>41210</b> commercial vehicle driver instructor	<b>10022</b> communications director - sales and marketing
<b>41210</b> commercial vehicle driving instructor	<b>10022</b> communications director
<b>43202</b> commercial vehicle enforcement officer	

<b>72204</b> communications electrician - construction craft	<b>31112</b> community audiologist
<b>72205</b> communications electrician - telecommunications	<b>42201</b> community centre coordinator
<b>94201</b> communications equipment assembler	<b>40030</b> community centre director
<b>92021</b> communications equipment assembly foreman/woman - electronics manufacturing	<b>40030</b> community centre manager
<b>92021</b> communications equipment assembly supervisor - electronic equipment manufacturing	<b>42201</b> community centre worker
<b>22313</b> communications equipment repairer - avionics	<b>40020</b> community college dean
<b>53100</b> communications equipment restoration technician - museum	<b>41210</b> community college instructor
<b>92021</b> communications equipment testing supervisor - electronic equipment manufacturing	<b>00013</b> community college president
<b>92021</b> communications equipment testing supervisor - electronics manufacturing	<b>40020</b> community college registrar
<b>11202</b> communications expert	<b>41210</b> community college teacher
<b>72011</b> communications foreman/woman	<b>42201</b> community counsellor - social services
<b>10022</b> communications manager - public relations	<b>32111</b> community dental hygienist
<b>10030</b> communications manager - telecommunications	<b>41402</b> community development consultant
<b>10022</b> communications manager	<b>42201</b> community development worker
<b>14404</b> communications officer - emergency services	<b>31121</b> community dietitian
<b>11202</b> communications officer (except emergency services)	<b>41402</b> community economic development consultant
<b>41400</b> communications policy researcher	<b>40011</b> community economic development director - government services
<b>21100</b> communications research scientist	<b>41402</b> community economic development officer
<b>13100</b> communications service coordinator	<b>31301</b> community health nurse
<b>14404</b> communications specialist dispatcher	<b>31100</b> community health physician
<b>11202</b> communications specialist	<b>33101</b> community health technician - medical laboratory
<b>41210</b> communications teacher - college level	<b>11202</b> community information officer
<b>22310</b> communications technologist	<b>51114</b> community interpreter
<b>32109</b> communicative disorders assistant	<b>42201</b> community liaison worker
<b>32109</b> communicative disorders instructor	<b>31100</b> community medicine physician
<b>21220</b> communicator research operator - Canadian Armed Forces	<b>31100</b> community medicine specialist
<b>42201</b> community and social services worker	<b>41301</b> community mental health counsellor
<b>21202</b> community and urban planner	<b>42201</b> community mental health worker
<b>42201</b> community animator	<b>53100</b> community museum technician
<b>72204</b> community antenna television (CATV) installation technician	<b>31121</b> community nutritionist
<b>72204</b> community antenna television (CATV) maintenance technician	<b>31203</b> community occupational therapist
<b>72205</b> community antenna television (CATV) service installation technician	<b>42201</b> community organization worker
<b>40030</b> community arts coordinator	<b>41403</b> community organizer
	<b>31120</b> community pharmacist
	<b>21202</b> community planner
	<b>40010</b> community planning director - government services
	<b>41210</b> community planning teacher - college level
	<b>42100</b> community police officer
	<b>41403</b> community policing program consultant

<b>31203</b> community practice occupational therapist	<b>75119</b> compassman/woman - land surveying
<b>31102</b> community preventive medicine physician	<b>64409</b> compensation agent
<b>40030</b> community programs director	<b>11200</b> compensation and benefits coordinator
<b>41406</b> community recreation and leisure consultant	<b>11200</b> compensation and classification analyst
<b>41406</b> community recreation and leisure counsellor	<b>11200</b> compensation consultant
<b>41406</b> community recreation coordinator	<b>10011</b> compensation director
<b>21202</b> community recreation planner	<b>10011</b> compensation manager
<b>41406</b> community recreational and leisure programs consultant	<b>11200</b> compensation officer
<b>41406</b> community recreational and leisure programs counsellor	<b>11200</b> compensation research analyst
<b>40010</b> community rehabilitation manager - government services	<b>11200</b> compensation researcher-analyst
<b>42201</b> community rehabilitation worker	<b>00012</b> compensation vice-president - financial, communications and other business services
<b>10022</b> community relations director	<b>00015</b> compensation vice-president - goods production, utilities, transport and construction
<b>42100</b> community relations officer - police	<b>00013</b> compensation vice-president - health, education, social and community services and membership organizations
<b>40021</b> community school principal	<b>00014</b> compensation vice-president - trade, broadcasting and other services
<b>42201</b> community service worker	<b>53202</b> competitive sports judge
<b>40030</b> community services director	<b>53200</b> competitor - chess
<b>42100</b> community services officer - police	<b>53200</b> competitor - gambling
<b>42201</b> community services officer - social services	<b>14301</b> compiler
<b>41403</b> community social development officer	<b>72205</b> complaint service technician - telecommunications
<b>31112</b> community speech-language pathologist	<b>64409</b> complaints adjuster
<b>42201</b> community worker	<b>64409</b> complaints clerk - customer service
<b>41210</b> community-based trainer	<b>64409</b> complaints clerk - telephone system
<b>94203</b> commutator assembler - industrial electrical equipment	<b>64409</b> complaints specialist - customer service
<b>94203</b> commutator assembler	<b>22233</b> compliance inspector - buildings
<b>94202</b> compact disc assembler	<b>94201</b> component inserting machine operator
<b>94212</b> compact disc inspector - plastic products manufacturing	<b>94201</b> component inspector - electronic equipment manufacturing
<b>94219</b> compact disc matrix inspector	<b>94201</b> components assembler - electronic equipment manufacturing
<b>94201</b> compact disc player assembler	<b>51121</b> composer
<b>94201</b> compact disc player inspector and tester	<b>72022</b> composing foreman/woman - printing
<b>64100</b> compact disc sales clerk	<b>14112</b> composing machine operator - typesetting
<b>31103</b> companion animal veterinarian	<b>14301</b> composing room proofreader
<b>44101</b> companion	<b>72022</b> composing room supervisor - printing
<b>75200</b> company chauffeur	<b>94212</b> composite material laminator
<b>31102</b> company physician	<b>72404</b> composite repair technician - aircraft
<b>41210</b> company trainer	<b>93200</b> composite technician - aircraft assembly
<b>65109</b> comparison shopper	
<b>94219</b> compass assembler	

<b>94219</b> composite technician - boat assembly	<b>20012</b> computer development division head
<b>94200</b> composite technician - motor vehicle manufacturing	<b>40012</b> computer education director
<b>73113</b> composition floor layer	<b>21311</b> computer engineer (except software)
<b>94110</b> composition mixer - chemical processing	<b>21311</b> computer engineer
<b>73110</b> composition roofer	<b>21311</b> computer engineering project manager
<b>52111</b> compositor - animation	<b>22311</b> computer equipment installer
<b>52111</b> compositor - film	<b>14111</b> computer equipment operator
<b>14112</b> compositor - typesetting	<b>22311</b> computer equipment repairer
<b>72022</b> compositors foreman/woman - printing	<b>62100</b> computer equipment sales specialist
<b>72022</b> compositors supervisor - printing	<b>22311</b> computer equipment technician - household and business equipment
<b>14112</b> compositor-typographer	<b>20012</b> computer facility manager
<b>90011</b> compost facility manager	<b>22311</b> computer field service technician
<b>92011</b> compost facility supervisor	<b>21232</b> computer game developer
<b>94110</b> compounder - chemical processing	<b>21232</b> computer game programmer
<b>92013</b> compounding foreman/woman - rubber and plastic manufacturing	<b>52111</b> computer graphics design technician
<b>94219</b> compressed air and gas regulator assembler	<b>52111</b> computer graphics operator
<b>72400</b> compressed gas plant maintenance mechanic	<b>52120</b> computer graphics specialist
<b>95102</b> compressed gas plant worker	<b>52111</b> computer graphics technician
<b>22100</b> compressed gases tester	<b>21311</b> computer hardware engineer
<b>94111</b> compression moulder - plastic manufacturing	<b>20010</b> computer hardware engineering manager
<b>92013</b> compression moulding foreman/woman - rubber and products manufacturing	<b>22310</b> computer hardware technologist
<b>72405</b> compressor fitter	<b>22221</b> computer help desk representative - systems
<b>92011</b> compressor station foreman/woman	<b>22221</b> computer help desk supervisor
<b>90011</b> compressor station manager	<b>22310</b> computer inspector-tester
<b>93101</b> compressor station operator - pipelines	<b>21321</b> computer integrated manufacturing (CIM) engineer
<b>00011</b> comptroller general - government services	<b>20012</b> computer legacy systems manager
<b>00011</b> comptroller general of Canada	<b>20012</b> computer manager
<b>10010</b> comptroller	<b>22220</b> computer master console operator
<b>21222</b> computer analyst	<b>22220</b> computer network technician
<b>20012</b> computer and related services manager	<b>22220</b> computer network technicians' supervisor
<b>52120</b> computer animator	<b>20012</b> computer networks manager
<b>20012</b> computer application development manager	<b>94106</b> computer numerical control (CNC) lathe operator - metal machining
<b>21232</b> computer application programmer	<b>94106</b> computer numerical control (CNC) machining tool operator
<b>21231</b> computer applications engineer	<b>72100</b> computer numerical control (CNC) machinist
<b>20012</b> computer applications manager	<b>22302</b> computer numerical control (CNC) Mastercam programmer
<b>11100</b> computer audit specialist	<b>94106</b> computer numerical control (CNC) profile mill operator
<b>22310</b> computer communications technician	<b>22302</b> computer numerical control (CNC) programmer
<b>21222</b> computer consultant	
<b>20012</b> computer department coordinator	



<b>94124</b> computer numerically controlled (CNC) band saw operator	<b>20012</b> computer systems manager
<b>94105</b> computer numerically controlled (CNC) brake press operator	<b>21231</b> computer systems platform engineer - software
<b>94105</b> computer numerically controlled (CNC) brake press set-up operator	<b>22220</b> computer tape librarian
<b>94106</b> computer numerically controlled (CNC) machine set-up operator - metal machining	<b>22221</b> computer technician
<b>94106</b> computer numerically controlled (CNC) machining centre operator	<b>40020</b> computer technology school director
<b>22302</b> computer numerically controlled (CNC) technologist	<b>41220</b> computer technology teacher - secondary school
<b>94124</b> computer numerically controlled (CNC) woodworking machine tool operator	<b>21231</b> computer telecommunications software specialist
<b>22302</b> computer numerically controlled coordinate measuring machine (CNC/CMM) programmer	<b>21311</b> computer telecommunications specialist
<b>22220</b> computer operations supervisor	<b>14111</b> computer terminal operator
<b>14112</b> computer photocompositor	<b>41210</b> computer trainer
<b>14112</b> computer phototypesetter	<b>41210</b> computer training instructor
<b>60020</b> computer products dealer - retail	<b>41210</b> computer training representative
<b>60020</b> computer products store manager	<b>14112</b> computer typesetter
<b>21230</b> computer programmer	<b>22212</b> computer-aided design (CAD) specialist - drafting
<b>41210</b> computer programming instructor - college level	<b>22212</b> computer-aided design (CAD) technologist
<b>20012</b> computer programs manager	<b>22212</b> computer-aided design and drafting (CADD) technologist
<b>22311</b> computer repair technician	<b>22302</b> computer-aided design/computer-aided manufacturing, numerical control (CAD/CAM NC) programmer
<b>64100</b> computer salesperson - retail	<b>22212</b> computer-aided drafting (CAD) technician
<b>41200</b> computer science professor - university	<b>22212</b> computer-assisted design and drafting (CADD) operator
<b>41210</b> computer science teacher - college level	<b>22302</b> computer-assisted design/computer-assisted manufacturing (CAD/CAM) programmer
<b>51100</b> computer search librarian	<b>22212</b> computer-assisted drafting (CAD) draftsman - printed circuit boards
<b>22311</b> computer service technician	<b>41210</b> computer-assisted drafting (CAD) instructor
<b>64101</b> computer services sales representative	<b>22212</b> computer-assisted drafting (CAD) operator
<b>21222</b> computer simulations analyst	<b>22212</b> computer-assisted drafting (CAD) technician
<b>20012</b> computer software design manager	<b>22212</b> computer-assisted electromechanical design draftsman
<b>21231</b> computer software engineer	<b>94151</b> computer-assisted letterer-engraver
<b>62100</b> computer software sales representative	<b>72100</b> computer-assisted machinist
<b>20012</b> computer system operations manager	<b>41210</b> computer-based trainer
<b>62100</b> computer system sales representative	<b>20012</b> computerized information systems manager
<b>21222</b> computer systems analyst	<b>94124</b> computerized panel saw tender - woodworking
<b>21221</b> computer systems business analyst	<b>94124</b> computerized panel saw tender
<b>21222</b> computer systems development coordinator	<b>20012</b> computerized technical information manager
<b>20012</b> computer systems development manager	<b>00012</b> computing services company president
<b>21311</b> computer systems engineer	<b>72400</b> concentrating plant mechanic
<b>20012</b> computer systems integration manager	

<b>93100</b> concentrator control room operator	<b>75110</b> concrete mixer operator helper - highway construction
<b>92010</b> concentrator foreman/woman - primary metal and mineral products processing	<b>94103</b> concrete mixer-caster
<b>52120</b> concept artist	<b>94103</b> concrete moulder
<b>51122</b> concert singer	<b>94103</b> concrete operator - dry cast
<b>60020</b> concession holder	<b>94103</b> concrete operator - wet cast
<b>60020</b> concession manager	<b>73100</b> concrete patcher-finisher
<b>94140</b> conche machine tender	<b>75110</b> concrete paver operator helper
<b>11200</b> conciliation officer - employee relations	<b>72021</b> concrete paving foreman/woman
<b>11200</b> conciliator - labour	<b>75110</b> concrete paving labourer
<b>11200</b> conciliator	<b>94103</b> concrete pipe machine tender
<b>72014</b> concrete and cement finishers foreman/woman	<b>94103</b> concrete plant operator
<b>72014</b> concrete and cement finishing contractor	<b>94103</b> concrete pole maker - concrete products manufacturing
<b>94100</b> concrete batch plant operator - cement manufacturing	<b>94103</b> concrete pole moulder - concrete products manufacturing
<b>94103</b> concrete block machine operator	<b>73100</b> concrete polisher
<b>94103</b> concrete block maker	<b>75110</b> concrete pourer - construction
<b>75110</b> concrete block pourer	<b>73100</b> concrete product finisher
<b>72320</b> concrete block setter	<b>92010</b> concrete products foreman/woman
<b>75110</b> concrete breaker	<b>94104</b> concrete products inspector
<b>94103</b> concrete burial vault maker	<b>94103</b> concrete products machine operator
<b>21300</b> concrete engineer	<b>94103</b> concrete products moulder
<b>73100</b> concrete finisher apprentice	<b>64101</b> concrete products salesperson - wholesale
<b>75110</b> concrete finisher helper	<b>94104</b> concrete products tester
<b>73100</b> concrete finisher	<b>75110</b> concrete pump operator
<b>72014</b> concrete finishers foreman/woman	<b>94103</b> concrete saw tender
<b>72014</b> concrete finishing foreman/woman	<b>94103</b> concrete sawyer
<b>94103</b> concrete fittings maker	<b>73100</b> concrete smoother-finisher
<b>75110</b> concrete float pourer	<b>94103</b> concrete spin caster
<b>73100</b> concrete floor finisher	<b>73400</b> concrete spreader operator - heavy equipment
<b>72013</b> concrete form builders foreman/woman - carpentry	<b>75110</b> concrete spreader operator
<b>75110</b> concrete former helper	<b>22300</b> concrete technician
<b>72310</b> concrete forms carpenter	<b>94103</b> concrete vault maker
<b>75110</b> concrete gun operator	<b>75110</b> concrete waterproofer - construction
<b>94103</b> concrete hydraulic press operator	<b>73400</b> concrete-grooving machine operator
<b>73100</b> concrete mason	<b>72021</b> concrete-laying gang foreman/woman
<b>94103</b> concrete mixer caster	<b>72021</b> concrete-paving labour gang foreman/woman
<b>75110</b> concrete mixer helper	<b>73400</b> concrete-paving machine operator
<b>94103</b> concrete mixer operator - concrete manufacturing	<b>94103</b> concrete-spinning machine operator
<b>75110</b> concrete mixer operator - construction	<b>94100</b> condenser setter - primary metal processing

<b>94201</b> condenser winder - electronic equipment manufacturing	<b>22112</b> conservation technician - forestry
<b>94130</b> conditioner tender - textile manufacturing	<b>53100</b> conservation technician - museums and art galleries
<b>73311</b> conductor - railway yard	<b>51101</b> conservator - museum
<b>73311</b> conductor - road freight	<b>94201</b> console assembler - electronic equipment manufacturing
<b>73311</b> conductor - switching yard	<b>93100</b> console operator - cement manufacturing
<b>51121</b> conductor	<b>94140</b> console operator - food and beverage processing
<b>72203</b> conduit installer - electric power systems	<b>42100</b> constable
<b>94140</b> cone and wafer machine tender	<b>12100</b> constituency aid
<b>94201</b> cone assembler - electronic equipment manufacturing	<b>12100</b> constituency assistant
<b>94122</b> cone former - paper converting	<b>72200</b> construction and maintenance electrician
<b>94140</b> cone maker - food and beverage processing	<b>70010</b> construction assistant manager
<b>94100</b> cone tender	<b>73402</b> construction blaster
<b>94122</b> cone winder - paper converting	<b>72103</b> construction boilermaker
<b>94130</b> cone winder - textile manufacturing	<b>63200</b> construction camp cook
<b>95106</b> confection labourer - food and beverage processing	<b>65312</b> construction campsite attendant
<b>94140</b> confection syrup maker	<b>72310</b> construction carpenter
<b>94140</b> confectionery cooker	<b>12102</b> construction contract administrator
<b>60020</b> confectionery department manager - retail	<b>22303</b> construction cost consultant
<b>92012</b> confectionery foreman/woman	<b>22303</b> construction cost estimator
<b>60020</b> confectionery manager	<b>75110</b> construction craft labourer
<b>64100</b> confectionery sales clerk	<b>72500</b> construction crane operator
<b>12103</b> conference and meeting planner	<b>73402</b> construction driller
<b>70012</b> conference centre manager	<b>72200</b> construction electrician apprentice
<b>12103</b> conference coordinator	<b>75110</b> construction electrician helper
<b>10029</b> conference development manager	<b>72200</b> construction electrician
<b>11201</b> conference facilitator	<b>72011</b> construction electricians and repairers foreman/woman
<b>51114</b> conference interpreter	<b>72011</b> construction electricians foreman/woman
<b>12103</b> conference organizer	<b>72011</b> construction electricians supervisor
<b>12103</b> conference planner	<b>21300</b> construction engineer
<b>10029</b> conference services manager	<b>22300</b> construction engineering technician
<b>12103</b> conference services officer	<b>75119</b> construction equipment mechanic helper
<b>94106</b> connecting rod borer	<b>72401</b> construction equipment mechanic
<b>94202</b> connector assembler - electrical equipment manufacturing	<b>73400</b> construction equipment operator
<b>51114</b> consecutive interpreter	<b>72401</b> construction equipment repairman/woman
<b>53100</b> conservation and restoration technician	<b>62100</b> construction equipment sales representative
<b>53100</b> conservation area interpreter	<b>22303</b> construction estimator
<b>50010</b> conservation director	<b>70010</b> construction expediter
<b>22113</b> conservation officer	<b>22233</b> construction field inspector

<b>72021</b> construction gang foreman/woman	<b>72204</b> construction technician - cable television
<b>70010</b> construction general contractor	<b>72310</b> construction technician - Canadian Armed Forces
<b>00015</b> construction general manager	<b>22300</b> construction technician - civil engineering
<b>70010</b> construction general superintendent	<b>72204</b> construction technician - telecommunications
<b>75110</b> construction helper	<b>22300</b> construction technician
<b>22233</b> construction inspector and tester	<b>22300</b> construction technologist
<b>22233</b> construction inspector supervisor	<b>75110</b> construction trades helper
<b>22233</b> construction inspector	<b>84100</b> construction worker - mines
<b>72010</b> construction ironwork contractor	<b>75110</b> construction worker
<b>75110</b> construction labourer	<b>00011</b> consul
<b>72203</b> construction lineman/woman - electric power systems	<b>82021</b> consultant - gas well drilling
<b>72203</b> construction lineman/woman - electrical power line	<b>82021</b> consultant - oil and gas drilling
<b>92023</b> construction machinery assembly foreman/woman	<b>31121</b> consultant dietitian
<b>70010</b> construction manager	<b>31301</b> consultant nurse
<b>62100</b> construction material sales representative	<b>31121</b> consultant nutritionist
<b>72400</b> construction millwright	<b>31202</b> consultant physical therapist
<b>70010</b> construction operations manager	<b>31202</b> consultant physiotherapist
<b>73112</b> construction painter	<b>21210</b> consulting actuary
<b>72014</b> construction painters foreman/woman	<b>21112</b> consulting agrologist
<b>72014</b> construction painters supervisor	<b>21200</b> consulting architect
<b>14301</b> construction permits clerk	<b>21300</b> consulting civil engineer
<b>14402</b> construction progress report clerk	<b>21111</b> consulting forester
<b>70010</b> construction project coordinator	<b>21102</b> consulting geologist
<b>21300</b> construction project engineer	<b>21102</b> consulting geophysicist
<b>70010</b> construction project manager	<b>21321</b> consulting industrial engineer
<b>70010</b> construction project superintendent	<b>21301</b> consulting mechanical engineer
<b>22300</b> construction requirements writer	<b>21330</b> consulting mining engineer
<b>22233</b> construction safety officer	<b>21210</b> consulting pension actuary
<b>13201</b> construction schedule coordinator	<b>41401</b> consumer advisor - economics
<b>70010</b> construction senior project manager	<b>41403</b> consumer advisor
<b>72102</b> construction sheet metal worker	<b>22231</b> consumer affairs inspector
<b>72021</b> construction site foreman/woman	<b>10021</b> consumer credit management trainee
<b>70010</b> construction site manager	<b>63102</b> consumer credit officer
<b>70010</b> construction site superintendent	<b>10021</b> consumer credit services manager trainee
<b>70010</b> construction special project manager	<b>40030</b> consumer information director
<b>22300</b> construction specifications writer	<b>63102</b> consumer loans officer
<b>70010</b> construction superintendent	<b>22211</b> consumer products designer
<b>82020</b> construction supervisor - underground mining and quarrying	<b>64101</b> consumer sales representative
	<b>64409</b> contact centre agent - customer service
	<b>10029</b> contact centre manager

<b>62023</b> contact centre supervisor	<b>53121</b> contortionist
<b>32100</b> contact lens dispenser	<b>94124</b> contour sander operator - woodworking
<b>32100</b> contact lens fitter	<b>94103</b> contour-grinding machine operator - concrete, clay and stone products
<b>32100</b> contact lens practitioner	<b>12102</b> contract administrator
<b>32100</b> contact lens technician	<b>12102</b> contract claims examiner
<b>94151</b> contact printer	<b>14201</b> contract clerk - financial sector
<b>22111</b> contagious animal disease prevention inspector	<b>42200</b> contract clerk - law
<b>31301</b> contagious disease transmission prevention nurse	<b>14301</b> contract clerk
<b>22211</b> container designer	<b>12010</b> contract clerks supervisor
<b>90010</b> container manufacturing manager	<b>41101</b> contract counsel
<b>51101</b> contemporary art curator	<b>10012</b> contract director
<b>51101</b> contemporary art museum curator	<b>12102</b> contract management officer
<b>52120</b> content creator - graphic design	<b>10012</b> contract manager
<b>51111</b> content creator - writing	<b>12102</b> contract negotiator
<b>52120</b> content director	<b>12102</b> contract specialist
<b>52120</b> content strategist	<b>82030</b> contractor - agricultural service
<b>51111</b> content writer (except technical)	<b>72013</b> contractor-carpenter
<b>51112</b> content writer (technical)	<b>72014</b> contractor-floor coverer
<b>33102</b> continuing care assistant	<b>72014</b> contractor-glazier
<b>53111</b> continuity person - motion pictures and broadcasting	<b>72014</b> contractor-plasterer
<b>73400</b> continuous bucket excavator operator	<b>72014</b> contractor-roofer (except metal roofs)
<b>93100</b> continuous casting machine operator - primary metal processing	<b>22303</b> contractors estimator
<b>93100</b> continuous casting operator - primary metal processing	<b>12102</b> contracts officer
<b>94121</b> continuous digester operator - pulp and paper	<b>13110</b> contracts secretary
<b>94100</b> continuous dressing operator	<b>51110</b> contributing editor
<b>94130</b> continuous dyeing machine operator - textile manufacturing	<b>21101</b> control chemist
<b>94130</b> continuous felt dryer operator - textile manufacturing	<b>14201</b> control clerk - financial sector
<b>94213</b> continuous galvanizing line operator	<b>14200</b> control clerk - hotel and restaurant
<b>94152</b> continuous glue machine operator - printing	<b>94203</b> control panel assembler - industrial electrical equipment
<b>83100</b> continuous mining machine operator	<b>94203</b> control panel assembler
<b>94112</b> continuous mixer operator - rubber products manufacturing	<b>93101</b> control panel operator - chemical processing
<b>94130</b> continuous press tender - textile manufacturing	<b>94203</b> control panel technician - industrial electrical equipment
<b>93101</b> continuous process chief operator	<b>22310</b> control panels tester
<b>94121</b> continuous process cook - pulp and paper	<b>51110</b> control room editor - broadcasting
<b>92011</b> continuous process foreman/woman - chemical processing	<b>93100</b> control room furnace operator - smelter
	<b>92100</b> control room operator - electrical power systems
	<b>94140</b> control room operator - food and beverage processing

<b>84101</b> control room operator - offshore drilling	<b>95100</b> conveyor labourer - primary metal and mineral products processing
<b>93100</b> control room operator - primary metal processing	<b>94201</b> conveyor line worker - electronic equipment manufacturing
<b>93102</b> control room operator - pulp and paper	<b>75101</b> conveyor operator - material handling (except underground mines)
<b>92100</b> control room operator trainee - electrical power systems	<b>95100</b> conveyor operator - primary metal and mineral products processing
<b>52112</b> control room technician - broadcasting	<b>84100</b> conveyor operator - underground mining
<b>21310</b> control systems engineer	<b>94140</b> conveyor oven operator - food and beverage processing
<b>22310</b> control systems tester	<b>72400</b> conveyor repairer
<b>22310</b> control technician - electrical and electronics	<b>75101</b> conveyor tender - material handling (except underground mines)
<b>74200</b> control tower operator - railway	<b>94140</b> conveyor tender - tobacco processing
<b>10010</b> controller - financial services	<b>95109</b> conveyor washer tender
<b>00012</b> controller - financial, communications and other business services	<b>94219</b> conveyor wire belt builder
<b>93101</b> controller - oil	<b>84100</b> conveyorman/woman - underground mining
<b>92024</b> controlling and recording instruments assembly foreman/woman	<b>43201</b> convict guard
<b>22310</b> controls technician - electrical and electronics	<b>64410</b> convoy guard
<b>65100</b> convenience store cashier	<b>63200</b> cook - Canadian Armed Forces
<b>64100</b> convenience store clerk	<b>94121</b> cook - pulp and paper
<b>60020</b> convenience store manager	<b>94140</b> cook tank operator - food and beverage processing
<b>12103</b> convention and special events planner	<b>63200</b> cook
<b>70012</b> convention centre manager	<b>94110</b> cooker - chemical processing
<b>12103</b> convention coordinator	<b>94143</b> cookie and cracker tester
<b>12103</b> convention planner	<b>60040</b> cooking school manager
<b>12103</b> convention planning services officer	<b>93102</b> cooking systems operator - pulp and paper
<b>92100</b> conversion substation operator - electrical power systems	<b>41221</b> cooking teacher - elementary school
<b>92010</b> converter foreman/woman - primary metal and mineral products processing	<b>41220</b> cooking teacher - secondary school
<b>94200</b> convertible top assembler - motor vehicle manufacturing	<b>94121</b> cook's first helper - pulp and paper
<b>42200</b> conveyance clerk	<b>65201</b> cook's helper
<b>75101</b> conveyor belt attendant	<b>95107</b> cooler operator - fish processing
<b>92013</b> conveyor belt foreman/woman - rubber manufacturing	<b>94212</b> cooler shell assembler - plastic products manufacturing
<b>75101</b> conveyor belt operator (except underground mines)	<b>94140</b> cooler tender - tobacco processing
<b>75101</b> conveyor belt patroller-controller	<b>94100</b> cooling bed operator - steel mill
<b>94112</b> conveyor belt splicer - rubber products manufacturing	<b>94140</b> cooling machine tender - food and beverage processing
<b>95103</b> conveyor cleaner - pulp and paper	<b>92100</b> cooling system operator
<b>75101</b> conveyor console operator	<b>94202</b> cooling unit assembler - electrical equipment manufacturing
	<b>41320</b> co-op officer - schools

<b>41320</b> co-op placement officer - school	<b>51110</b> copy chief
<b>41320</b> co-op program coordinator - school	<b>14112</b> copy cutter
<b>92024</b> cooper foreman/woman	<b>51110</b> copy editor
<b>94124</b> cooper header - woodworking	<b>14301</b> copy holder
<b>94124</b> cooper header operator - wood	<b>94124</b> copy lathe tender
<b>94124</b> cooper operator - woodworking	<b>14112</b> copy marker - typesetting
<b>94211</b> cooper	<b>51110</b> copy preparer
<b>94124</b> cooperage heading machine operator - woodworking	<b>74102</b> copy runner - courier service
<b>94124</b> cooperage heading sawyer	<b>14112</b> copy stylist - typesetting
<b>95109</b> cooperage labourer	<b>14112</b> copy typist - typesetting
<b>94124</b> cooperage setter-up - woodworking	<b>94150</b> copy, staple and glue machine operator
<b>94124</b> cooperage set-up man/woman - woodworking	<b>51121</b> copyist - music
<b>41220</b> cooperative education teacher	<b>42200</b> copyright agent
<b>41220</b> cooperative learning teacher	<b>50011</b> copyright and royalties manager
<b>94124</b> cooper's head-saw operator - woodworking	<b>12012</b> copyright clearance supervisor
<b>31300</b> coordinator of nursing services	<b>14301</b> copyright clerk
<b>41300</b> coordinator of social work	<b>50011</b> copyright manager - publishing
<b>10030</b> coordinator of technical services - telecommunications	<b>51111</b> copywriter
<b>94101</b> cope and drag pinlift operator - foundry	<b>84110</b> cordwood cutter
<b>72600</b> co-pilot - air transport	<b>94203</b> core assembler - industrial electrical equipment
<b>72600</b> co-pilot	<b>94122</b> core cutter - paper converting
<b>94100</b> copper billet piercer	<b>94121</b> core cutter and reamer - pulp and paper
<b>94100</b> copper billet piercing mill operator	<b>94121</b> core cutter and reamer
<b>94101</b> copper caster - foundry	<b>85110</b> core cutter
<b>94213</b> copper coater - metal plating	<b>73402</b> core drill operator - construction, surface mining and quarrying
<b>95100</b> copper dust-collector worker	<b>83100</b> core driller - underground mining
<b>94151</b> copper engraver - camera and platemaking	<b>83100</b> core driller
<b>94100</b> copper flotation operator	<b>94101</b> core extruder - foundry
<b>93100</b> copper melter	<b>94104</b> core inspector - foundry
<b>94100</b> copper ore slime treater	<b>94129</b> core layer operator - wood processing
<b>94151</b> copper photoengraver	<b>94101</b> core machine operator - foundry
<b>94213</b> copper plater	<b>94122</b> core maker - paper converting
<b>93100</b> copper refinery operator	<b>95109</b> core moulder
<b>94100</b> copper-briquetting machine operator	<b>95109</b> core pipe extractor
<b>53124</b> copperplate engraver - artisan	<b>92014</b> core room foreman/woman - pulp and paper
<b>94151</b> copperplate photoengraver	<b>95100</b> core room labourer - foundry
<b>72010</b> coppersmith foreman/woman	<b>94101</b> core setter - foundry
<b>72102</b> coppersmith	<b>95100</b> core shop labourer - foundry
<b>94153</b> copy camera operator - photographic processing	<b>85110</b> core splitter
	<b>94104</b> core tester - foundry

<b>94122</b> core winder - paper converting	<b>10022</b> corporate affairs manager
<b>83100</b> core-drill operator - underground mining	<b>51102</b> corporate archivist
<b>83100</b> core-drill operator	<b>10021</b> corporate banking centre manager
<b>94129</b> core-laying machine tender - wood processing	<b>00012</b> corporate banking vice-president
<b>92010</b> coremaking foreman/woman - foundry	<b>10010</b> corporate budgeting and analysis manager
<b>92010</b> coremaking foreman/woman - mineral processing	<b>62200</b> corporate chef
<b>92014</b> coremaking foreman/woman - paper converting	<b>00012</b> corporate controller - financial, communications and other business services
<b>94101</b> coremaking machine operator - foundry	<b>00015</b> corporate controller - goods production, utilities, transportation and construction
<b>94101</b> core-sand-mixer - foundry	<b>00013</b> corporate controller - health, education, social and community services and membership organizations
<b>94122</b> core-winding machine operator - paper converting	<b>00012</b> corporate controller - mortgage brokerage firm
<b>83101</b> coring operator - oil field services	<b>00014</b> corporate controller - trade, broadcasting and other services
<b>72321</b> cork insulation installer	<b>41101</b> corporate counsel
<b>94219</b> corks and bottle caps inspector	<b>11201</b> corporate development planning adviser
<b>94140</b> corn chips cooker	<b>13111</b> corporate finance legal assistant
<b>94140</b> corn cooker - food and beverage processing	<b>10010</b> corporate financing manager
<b>94140</b> corn dough machine tender	<b>64201</b> corporate image consultant
<b>94140</b> corn flakes roller - food and beverage processing	<b>42204</b> corporate intercessor
<b>94140</b> corn germ preparer - food and beverage processing	<b>11101</b> corporate investment adviser
<b>94140</b> corn products presser - food and beverage processing	<b>13111</b> corporate law administrative assistant
<b>94140</b> corn products pressman/woman - food and beverage processing	<b>42200</b> corporate law and litigation clerk
<b>94140</b> corn products starch presser	<b>42200</b> corporate law clerk
<b>94140</b> corn products sugar crystallizer operator	<b>13111</b> corporate law legal assistant
<b>95106</b> corn starch neutralizer	<b>13111</b> corporate law secretary
<b>94140</b> corn sugar filter operator	<b>41101</b> corporate notary (Quebec)
<b>94140</b> corn sugar refinery operator	<b>42200</b> corporate paralegal
<b>94140</b> corn syrup cooler and decolourizer	<b>72600</b> corporate pilot
<b>94140</b> corn syrup maker	<b>11201</b> corporate planner
<b>95106</b> corn syrup processing labourer	<b>40012</b> corporate policy manager - education
<b>94219</b> corncob pipe assembler	<b>13111</b> corporate records legal assistant
<b>65100</b> corner store cashier	<b>10010</b> corporate risk department manager
<b>64100</b> corner store clerk	<b>60010</b> corporate sales manager
<b>51122</b> cornetist	<b>12100</b> corporate secretary
<b>31301</b> coronary intensive care nurse	<b>42200</b> corporate securities law clerk
<b>31301</b> coronary unit nurse	<b>64410</b> corporate security officer
<b>41310</b> coroner	<b>10021</b> corporate services manager - banking, credit and investment
<b>10021</b> corporate accounts manager - banking, credit and investment	



<b>00012</b> corporate social responsibility vice-president - financial, communications and other business services	<b>21322</b> corrosion engineer
<b>00015</b> corporate social responsibility vice-president - goods production, utilities, transport and construction	<b>94213</b> corrosion resistant metal sprayer
<b>00013</b> corporate social responsibility vice-president - health, education, social and community services and membership organizations	<b>22300</b> corrosion technician
<b>00014</b> corporate social responsibility vice-president - trade, broadcasting and other services	<b>22300</b> corrosion technologist
<b>70020</b> corporate traffic manager - transportation	<b>94103</b> corrugated asbestos board former
<b>70020</b> corporate transportation manager	<b>94122</b> corrugated box cutter - paper converting
<b>10021</b> corporate trust services manager	<b>94124</b> corrugated fastener driver - woodworking
<b>21234</b> corporate Webmaster	<b>94122</b> corrugating machine operator - paper converting
<b>41101</b> corporation lawyer	<b>94122</b> corrugating machine operator-cutter - paper converting
<b>42200</b> corporation paralegal	<b>94122</b> corrugator operator - paper converting
<b>82030</b> corral boss	<b>94122</b> corrugator operator-cutter - paper converting
<b>43201</b> correctional facility guard	<b>94105</b> corrugator sheet metal operator
<b>40030</b> correctional institution director	<b>95103</b> corrugator-operator helper
<b>43201</b> correctional institution guard	<b>31101</b> cosmetic surgeon
<b>43201</b> correctional institution head matron	<b>63211</b> cosmetician
<b>43201</b> correctional officer	<b>94110</b> cosmetics and perfume maker
<b>43201</b> correctional officers supervisor	<b>65109</b> cosmetics demonstrator - retail
<b>42201</b> correctional program officer	<b>92011</b> cosmetics processing foreman/woman
<b>40030</b> correctional rehabilitation society director	<b>65109</b> cosmetics salesperson - home sales
<b>43201</b> correctional service officer	<b>64100</b> cosmetics salesperson - retail
<b>41403</b> correctional service policy consultant	<b>63211</b> cosmetologist
<b>40030</b> correctional services director	<b>21100</b> cosmic ray physicist
<b>43201</b> correctional services unit supervisor	<b>21100</b> cosmologist
<b>40030</b> correctional treatment and training director	<b>21109</b> cosmonaut
<b>43201</b> corrections officer	<b>11100</b> cost accountant
<b>10022</b> correspondence and public inquiries manager	<b>14200</b> cost accounting clerk
<b>14301</b> correspondence clerk	<b>11100</b> cost accounting supervisor
<b>12012</b> correspondence clerks supervisor	<b>50011</b> cost and royalties manager - publishing
<b>14100</b> correspondence filing clerk	<b>14200</b> cost clerk
<b>14301</b> correspondence review clerk	<b>21321</b> cost engineer
<b>41210</b> correspondence school instructor	<b>22303</b> cost estimator - construction
<b>41210</b> correspondence school tutor	<b>11101</b> cost financial analyst
<b>41210</b> correspondence teacher - college level	<b>12011</b> cost supervisor
<b>41221</b> correspondence teacher - elementary school	<b>14200</b> costing clerk
<b>41220</b> correspondence teacher - secondary school	<b>53123</b> costume designer
<b>51113</b> correspondent	<b>52119</b> costume maker
	<b>52119</b> costume supervisor
	<b>52119</b> costumer - motion pictures, broadcasting and performing arts
	<b>52119</b> costumer

<b>52119</b> costumes coordinator	<b>21203</b> country surveyor
<b>52119</b> costumier	<b>41101</b> county attorney
<b>94140</b> cottage cheese maker	<b>00011</b> county clerk
<b>94130</b> cotton ball machine tender	<b>14103</b> county court clerk
<b>95109</b> cotton roll machine tender	<b>41100</b> county court judge
<b>95100</b> Cottrell precipitator helper - primary metal processing	<b>10019</b> county court registrar
<b>94100</b> Cottrell tender	<b>21300</b> county engineer
<b>00011</b> council secretary - government services	<b>41100</b> county judge
<b>00010</b> councillor	<b>74200</b> coupler - railway yard
<b>41101</b> counsel	<b>41301</b> couples therapist
<b>41320</b> counselling intern	<b>74102</b> courier service driver
<b>41301</b> counselling program supervisor	<b>70021</b> courier service manager
<b>40030</b> counselling services director	<b>74102</b> courier service parcels deliverer
<b>40030</b> counselling services manager	<b>72025</b> courier service supervisor
<b>41301</b> counselling therapist	<b>64101</b> courier services sales representative
<b>41320</b> counsellor for Aboriginal students	<b>74102</b> courier
<b>41301</b> counsellor for persons who are intellectually impaired	<b>41405</b> course coordinator - college
<b>41101</b> counsellor-at-law	<b>41405</b> course coordinator - secondary school
<b>41101</b> counsellor-lawyer	<b>41405</b> course coordinator - university
<b>64321</b> count room attendant - casino	<b>14100</b> course coordinator
<b>94219</b> counter and upper tacker - footwear manufacturing	<b>14103</b> court administrator
<b>64401</b> counter clerk - mail and postal services	<b>42200</b> court and tribunal agent
<b>64100</b> counter clerk - retail	<b>43200</b> court bailiff
<b>64313</b> counter clerk (except airline)	<b>14103</b> court clerk supervisor
<b>64409</b> counter enquiries clerk	<b>14103</b> court clerk
<b>64313</b> counter sales agent - railway	<b>14103</b> court clerk-crier
<b>64313</b> counter sales agent (except airline)	<b>14103</b> court deputy administrator
<b>64313</b> counter service agent - railway	<b>43200</b> court enforcement officer
<b>64313</b> counter service agent (except airline)	<b>51114</b> court interpreter
<b>64312</b> counter services agent - airline	<b>14103</b> court liaison
<b>41310</b> counterfeit and forgery section detective	<b>40042</b> court martial judge
<b>65201</b> counterperson - food services	<b>12110</b> court monitor
<b>94106</b> countersinker - metal machining	<b>10019</b> court of appeal registrar
<b>73200</b> countertop installer	<b>41100</b> Court of Queen's Bench justice
<b>64321</b> counting attendant - casino	<b>14103</b> court officer
<b>82031</b> country club grounds supervisor	<b>12110</b> court recorder
<b>70012</b> country grain elevator facility manager	<b>10019</b> court registrar
<b>70012</b> country grain elevator manager	<b>12110</b> court reporter
<b>60031</b> country inn operator	<b>12012</b> court reporters supervisor
	<b>41210</b> court reporting instructor
	<b>14103</b> court services coordinator

<b>10019</b> court services manager	<b>72500</b> crane hoist operator
<b>12110</b> court stenographer	<b>75110</b> crane hooker
<b>14103</b> court supervisor	<b>22231</b> crane inspector
<b>64409</b> courtesy desk clerk	<b>94100</b> crane ladle pourer
<b>14103</b> courtroom clerk	<b>74203</b> crane oiler
<b>14103</b> courtroom officer	<b>72500</b> crane operator apprentice
<b>53123</b> couturier - haute couture	<b>72500</b> crane operator
<b>52120</b> cover designer	<b>72401</b> crane repairer
<b>52120</b> cover page illustrator	<b>72401</b> crane service technician
<b>12104</b> coverage and interpretation officer - taxation	<b>94200</b> crankshaft assembler - motor vehicle manufacturing
<b>94219</b> covered button maker	<b>42101</b> crash firefighter
<b>94152</b> covering machine operator - printing	<b>95109</b> crate bander
<b>94130</b> covering-machine tender	<b>95109</b> crate liner
<b>85100</b> cowboy/cowgirl	<b>95109</b> crate marker
<b>80020</b> cow-calf operator	<b>95109</b> crate packer
<b>84120</b> cowhand	<b>95109</b> crater - manufacturing
<b>53200</b> coxswain	<b>72500</b> crawler crane operator
<b>94142</b> crab butcher - fish and seafood processing	<b>75119</b> crawler track repairer helper
<b>83121</b> crab fisherman/woman	<b>74203</b> crawler track servicer
<b>94142</b> crab steamer - fish and seafood processing	<b>73400</b> crawler tractor operator
<b>94130</b> crabber - textile manufacturing	<b>95109</b> crayon cutter
<b>94130</b> crabbing machine tender - textile manufacturing	<b>94219</b> crayon making machine tender
<b>94130</b> crabbing machine tender	<b>95109</b> crayon moulder
<b>94140</b> cracker and cookie machine operator	<b>94140</b> cream cheese maker
<b>94112</b> cracker operator - rubber products manufacturing	<b>94143</b> cream grader
<b>93101</b> cracking plant operator	<b>22111</b> cream inspector
<b>53124</b> craft instructor (except education)	<b>95106</b> cream sampler - food and beverage processing
<b>60040</b> craft school manager	<b>94219</b> creaser - garment and fabric
<b>53124</b> craft weaver	<b>94122</b> creaser - paper converting
<b>00013</b> crafts guild executive director	<b>10022</b> creative services director
<b>41221</b> crafts teacher - elementary school	<b>11109</b> credit adjudicator
<b>53124</b> craftsman/woman	<b>11109</b> credit advisor
<b>53124</b> craftsperson	<b>11109</b> credit agency inspector
<b>83110</b> crane and claw operator - logging	<b>63102</b> credit analyst
<b>74203</b> crane and dragline oiler and greaser	<b>10021</b> credit and accounts manager
<b>72500</b> crane and hoisting equipment operator	<b>14202</b> credit and collection clerk
<b>75110</b> crane chaser	<b>10021</b> credit and collection department manager
<b>72021</b> crane crew foreman/woman	<b>10021</b> credit and collection manager
<b>72405</b> crane fitter	<b>12011</b> credit and collection supervisor
<b>74203</b> crane greaser	<b>14201</b> credit application clerk - financial sector

<b>10021</b> credit approval and market development manager	<b>22100</b> crime scene examiner
<b>10021</b> credit area coordinator	<b>42100</b> crime scene technician - police
<b>14201</b> credit assessment clerk	<b>14103</b> criminal court clerk
<b>14201</b> credit authorization clerk	<b>42200</b> criminal law clerk
<b>64101</b> credit bureau sales representative	<b>42200</b> criminal law paralegal
<b>14100</b> credit card authorization clerk	<b>41101</b> criminal lawyer
<b>10021</b> credit card centre manager	<b>14100</b> criminal records clerk
<b>10021</b> credit card company operations manager	<b>41409</b> criminologist
<b>94152</b> credit card die-cutter operator - printing	<b>41200</b> criminology professor - university
<b>14201</b> credit clerk	<b>94130</b> crimp setter
<b>12011</b> credit clerks supervisor	<b>94121</b> crimping head operator - papermaking
<b>63102</b> credit investigation officer	<b>94107</b> crimping machine feeder - wire products manufacturing
<b>63102</b> credit investigator	<b>94205</b> crimping machine tender - electrical equipment manufacturing
<b>10021</b> credit manager	<b>94219</b> crimping machine tender - leather products manufacturing
<b>63102</b> credit officer	<b>94130</b> crimping machine tender - textile manufacturing
<b>14201</b> credit register clerk	<b>41301</b> crisis counsellor
<b>12011</b> credit service group leader	<b>42201</b> crisis intervention worker
<b>12011</b> credit supervisor	<b>51113</b> critic
<b>00012</b> credit union executive director	<b>31100</b> critical care medicine physician
<b>00012</b> credit union general manager	<b>31100</b> critical care medicine specialist
<b>10021</b> credit union manager	<b>31301</b> critical care nurse
<b>64400</b> credit union teller	<b>31300</b> critical care nursing supervisor
<b>11109</b> credit unions examiner	<b>32102</b> critical care paramedic
<b>95105</b> creeler - textile processing	<b>94131</b> crochet machine operator
<b>65329</b> cremator	<b>94131</b> crocheting machine operator
<b>65329</b> crematorium attendant	<b>22111</b> crop certification inspector
<b>60040</b> crematorium manager	<b>82030</b> crop dusting service contractor
<b>94122</b> creping machine operator - paper converting	<b>85101</b> crop farm labourer - harvesting
<b>95109</b> creping machine operator helper	<b>80020</b> crop farmer
<b>53123</b> crest designer	<b>82030</b> crop harvesting service contractor
<b>94213</b> crester	<b>22110</b> crop production technician
<b>72020</b> crew chief - aircraft maintenance	<b>21110</b> crop scientist
<b>14405</b> crew dispatcher	<b>21112</b> crop specialist
<b>22112</b> crew leader - forest fire suppression	<b>94130</b> cropping machine tender - textile manufacturing
<b>14405</b> crew scheduler - aeronautics	<b>21110</b> crop-research scientist
<b>14405</b> crew scheduler - railway transport	<b>84120</b> cropsprayer machine operator
<b>14405</b> crew scheduler - transportation	<b>12013</b> cross dock supervisor
<b>12013</b> crew schedulers supervisor	<b>94112</b> cross head operator - rubber products manufacturing
<b>75101</b> cribber - grain elevator	
<b>42100</b> crime prevention constable	

<b>94124</b> crosscut saw operator - woodworking	<b>95102</b> crutcher operator helper
<b>75211</b> crossing attendant - railway	<b>21301</b> cryogenics engineer
<b>75211</b> crossing gateman/woman - railway transport	<b>21100</b> cryogenics physicist
<b>45100</b> crossing guard	<b>94100</b> cryolite recovery equipment operator
<b>51111</b> crossword puzzle maker	<b>22301</b> cryonics engineering technologist
<b>64321</b> croupier - casino	<b>21210</b> cryptanalyst
<b>64321</b> croupier	<b>21210</b> cryptoanalyst
<b>32112</b> crown and bridge dental technician	<b>21210</b> cryptographer
<b>13100</b> Crown assets distribution officer	<b>65229</b> crystal ball reader
<b>41101</b> Crown Attorney	<b>94201</b> crystal calibrator - electronic equipment manufacturing
<b>41101</b> Crown corporation counsel	<b>94201</b> crystal final tester - electronic equipment manufacturing
<b>41101</b> Crown counsel	<b>94201</b> crystal final tester
<b>21111</b> Crown lands forester	<b>94201</b> crystal finisher - electronic equipment manufacturing
<b>41101</b> Crown prosecutor	<b>94201</b> crystal frequency measurer - electronic equipment manufacturing
<b>94124</b> croze machine operator - woodworking	<b>94201</b> crystal grower
<b>93100</b> crucible furnace operator	<b>94201</b> crystal inspector - electronic equipment manufacturing
<b>94100</b> crucible pourer	<b>94201</b> crystal lapper
<b>65210</b> cruise line passenger attendant	<b>21100</b> crystal physicist
<b>50012</b> cruise ship director	<b>92021</b> crystal processing foreman/woman - electronics manufacturing
<b>70020</b> cruise ship line manager	<b>94201</b> crystal unit assembler
<b>22112</b> cruiser	<b>94201</b> crystal-dicing saw operator
<b>22112</b> cruising technician - forestry	<b>94110</b> crystallizer tender - chemical processing
<b>94100</b> crusher and blender operator	<b>94140</b> crystallizer tender - food and beverage processing
<b>93100</b> crusher control room operator	<b>94140</b> cube sugar machine tender - food and beverage processing
<b>94103</b> crusher operator - stone products	<b>85101</b> cucumber picker
<b>94140</b> crusher operator - tobacco processing	<b>95105</b> cuff-cutting machine tender
<b>84100</b> crusher operator - underground mining	<b>51113</b> culinary journalist
<b>94100</b> crusher setter	<b>22114</b> cultivation technician
<b>94110</b> crusher tender - chemical processing	<b>84120</b> cultivator operator
<b>84100</b> crusherman/woman - underground mining	<b>54100</b> cultural activities leader
<b>92010</b> crushing and grinding operations foreman/woman - primary metal and mineral products processing	<b>41409</b> cultural anthropologist
<b>92010</b> crushing and grinding supervisor - primary metal and mineral products	<b>00013</b> cultural association president
<b>92011</b> crushing and grinding worker foreman/woman - chemicals and related materials	<b>41409</b> cultural geographer
<b>94100</b> crushing equipment operator	<b>51114</b> cultural interpreter
<b>94140</b> crushing machine tender - food and beverage processing	<b>51114</b> cultural or international adaptation specialist
<b>95100</b> crushing operations helper - mineral products processing	
<b>94110</b> crutcher operator - chemical processing	

<b>95100</b> cupola charger - primary metal and mineral processing	<b>65320</b> curtain and drapery presser - laundry and dry cleaning
<b>95100</b> cupola furnace helper	<b>73200</b> curtain installer
<b>94101</b> cupola furnace operator - foundry	<b>94219</b> curtain rod assembler
<b>93100</b> cupola furnace operator - primary metal processing	<b>73111</b> curtain wall glazier
<b>94103</b> cupola operator - concrete, clay and stone products	<b>72105</b> curtain wall installation ironworker
<b>75110</b> cupola spray reliner	<b>94133</b> cushion and cover inspector
<b>95100</b> cupola tapper	<b>94133</b> cushion and furniture-coverings manufacturing inspector
<b>41302</b> curate	<b>95109</b> cushion cementer - shoe manufacturing
<b>51101</b> curator	<b>95109</b> cushion filler - furniture assembly
<b>50010</b> curator-director - museum	<b>95109</b> cushion stuffer - furniture assembly
<b>53100</b> curatorial assistant	<b>62024</b> custodian supervisor - cleaning services
<b>94112</b> cure operator - rubber products manufacturing	<b>65312</b> custodian
<b>94112</b> cured tire repairer	<b>62202</b> custom bracelet maker
<b>94140</b> curing bin tender - food and beverage processing	<b>62202</b> custom brooch maker
<b>92013</b> curing foreman/woman - rubber manufacturing	<b>82030</b> custom combine contractor
<b>94112</b> curing machine operator - rubber products manufacturing	<b>84120</b> custom combine operator
<b>94112</b> curing man/woman - rubber products manufacturing	<b>94124</b> custom cue maker and repairer
<b>94112</b> curing press set-up operator - rubber products manufacturing	<b>94124</b> custom cue maker and repairman/woman
<b>94112</b> curing press tender - rubber products manufacturing	<b>64100</b> custom drapery salesperson - retail
<b>92012</b> curing room foreman/woman - tobacco processing	<b>94203</b> custom electrical panel assembler
<b>92013</b> curing supervisor - rubber products manufacturing	<b>94140</b> custom feed miller - food and beverage processing
<b>53200</b> curler	<b>95106</b> custom feed miller helper
<b>53202</b> curling judge	<b>94140</b> custom feed preparer - food and beverage processing
<b>65100</b> currency exchange cashier	<b>72311</b> custom frame and mirror assembler
<b>14200</b> currency sorter	<b>64200</b> custom fur joiner
<b>64400</b> current account representative - financial services	<b>53124</b> custom furniture caner
<b>62023</b> current accounts supervisor	<b>64200</b> custom furrier
<b>70020</b> current schedule planning manager - airline	<b>94219</b> custom golf club maker
<b>94203</b> current-transformer assembler	<b>84120</b> custom harvest crewperson
<b>94203</b> current-transformer coil winder	<b>84120</b> custom harvester
<b>41405</b> curriculum consultant	<b>62202</b> custom jewellery moulder
<b>41405</b> curriculum developer	<b>62202</b> custom locket maker
<b>41405</b> curriculum planner	<b>94101</b> custom moulder - foundry
	<b>72311</b> custom piano case maker
	<b>94106</b> custom screw machine operator
	<b>72102</b> custom sheet metal fabricator
	<b>63220</b> custom shoemaker
	<b>64200</b> custom tailor

<b>60020</b> custom tailoring shop manager	<b>14301</b> customs and excise clerk
<b>63221</b> custom upholsterer	<b>43203</b> customs appraiser
<b>72311</b> custom wood furniture maker	<b>43203</b> customs baggage inspector
<b>72311</b> custom wooden desk maker	<b>13200</b> customs broker
<b>62023</b> customer accounts supervisor	<b>12011</b> customs brokerage clerks supervisor
<b>64409</b> customer information service clerk - insurance	<b>13200</b> customs clearance agent
<b>64409</b> customer information service representative - retail	<b>14301</b> customs clerk
<b>64409</b> customer relations clerk	<b>12012</b> customs clerks supervisor
<b>62022</b> customer relations supervisor - casino	<b>43203</b> customs collector
<b>64312</b> customer sales agent - airline	<b>13200</b> customs consultant
<b>64313</b> customer sales and service agent (except airline)	<b>43203</b> customs examiner
<b>64409</b> customer satisfaction representative	<b>13200</b> customs house broker
<b>64409</b> customer service adviser	<b>13200</b> customs information broker
<b>64312</b> customer service agent - airline	<b>43203</b> customs inspection supervisor
<b>64313</b> customer service agent - bus line	<b>43203</b> customs inspector
<b>64400</b> customer service agent - financial institution	<b>43203</b> customs inspectors supervisor
<b>64409</b> customer service agent	<b>43203</b> customs investigator
<b>64409</b> customer service assistant	<b>10029</b> customs manager - business services
<b>65100</b> customer service cashier	<b>40011</b> customs manager - government services
<b>64409</b> customer service clerk	<b>43203</b> customs officer
<b>62023</b> customer service clerks supervisor	<b>13200</b> customs rater
<b>64311</b> customer service director (CSD) - water transportation	<b>94106</b> cutlery and tool etcher
<b>60020</b> customer service manager - automobiles	<b>94219</b> cutlery assembly inspector
<b>60020</b> customer service manager - retail	<b>94219</b> cutlery maker operator
<b>64409</b> customer service monitor - telephone system	<b>94219</b> cutlery maker
<b>64409</b> customer service operator - telephone system	<b>92024</b> cutlery manufacturing foreman/woman
<b>64312</b> customer service representative - airline	<b>94120</b> cut-off saw operator - sawmill
<b>64313</b> customer service representative - bus line	<b>94124</b> cut-off saw operator - woodworking
<b>64409</b> customer service representative - call centre	<b>95109</b> cut-out and marking machine tender - shoe manufacturing
<b>64400</b> customer service representative - financial services	<b>95105</b> cutter - leather products manufacturing
<b>64409</b> customer service representative - insurance	<b>84110</b> cutter - logging
<b>62023</b> customer service representative supervisor	<b>94141</b> cutter - meat packing plant
<b>62023</b> customer service representatives supervisor - financial services	<b>95103</b> cutter helper - pulp and paper
<b>64100</b> customer service sales clerk	<b>94103</b> cutter operator - concrete, clay and stone products
<b>72014</b> customer service supervisor - housing construction	<b>94219</b> cutter operator - other products manufacturing
<b>62010</b> customer service supervisor - retail	<b>94152</b> cutter operator - printing
<b>62100</b> customer support representative - wholesale	<b>92015</b> cutter supervisor - fabric, fur and leather products manufacturing
	<b>94122</b> cutting and creasing press operator - paper converting

<b>94130</b> cutting and printing machine set-up operator - textile manufacturing	<b>94151</b> cylinder-impresser operator
<b>92015</b> cutting department foreman/woman - fabric, fur and leather products manufacturing	<b>94124</b> cylinder-sander feeder - woodworking
<b>72400</b> cutting machine fixer - textile manufacturing	<b>21110</b> cytochemist
<b>95105</b> cutting machine operator - clothing manufacturing	<b>21110</b> cytogeneticist
<b>94152</b> cutting machine operator - printing	<b>32120</b> cytogenetics technologist - medical laboratory
<b>83100</b> cutting machine operator - underground mining	<b>21110</b> cytologist
<b>94152</b> cutting machine operator, books	<b>21110</b> cytologist-microbiologist
<b>94219</b> cutting machine tender - textile products manufacturing	<b>32120</b> cytology technologist
<b>92015</b> cutting room foreman/woman - fabric, fur and leather products manufacturing	
<b>21220</b> cyber operator - Canadian Armed Forces	<b>D</b>
<b>60030</b> cybercafé manager	<b>94124</b> dado operator - woodworking
<b>51120</b> cyber-choreographer	<b>94124</b> dado saw operator - woodworking
<b>41310</b> cybercrime investigator	<b>21110</b> dairy bacteriologist
<b>52120</b> cybergraphic designer	<b>80020</b> dairy cattle breeder
<b>51113</b> cyberjournalist	<b>21101</b> dairy chemist
<b>51113</b> cyberreporter	<b>94143</b> dairy cream tester
<b>21220</b> cybersecurity analyst	<b>72400</b> dairy equipment repairer
<b>21220</b> cybersecurity consultant	<b>82030</b> dairy farm foreman/woman
<b>20012</b> cybersecurity manager	<b>85100</b> dairy farm labourer
<b>21220</b> cybersecurity specialist	<b>80020</b> dairy farm manager
<b>51100</b> cybrarian	<b>85100</b> dairy farm worker
<b>53201</b> cycling coach	<b>80020</b> dairy farmer
<b>53200</b> cyclist	<b>94143</b> dairy grader - food and beverage processing
<b>94106</b> cylinder grinder - metal machining	<b>85100</b> dairy hand
<b>94204</b> cylinder head assembler	<b>95106</b> dairy helper - food and beverage processing
<b>94106</b> cylinder honer - metal machining	<b>84120</b> dairy herdsperson
<b>93102</b> cylinder machine operator - pulp and paper	<b>94143</b> dairy moisture tester
<b>94213</b> cylinder painter - industrial	<b>21399</b> dairy plant engineer
<b>94151</b> cylinder painter - printing	<b>92012</b> dairy plant foreman/woman
<b>94213</b> cylinder plater-grinder - metal processing	<b>94140</b> dairy plant machine operator
<b>94151</b> cylinder preparer - printing	<b>90010</b> dairy plant manager
<b>73401</b> cylinder press operator - printing	<b>94143</b> dairy product tester - food and beverage processing
<b>73401</b> cylinder press set-up operator	<b>22111</b> dairy products inspector
<b>73401</b> cylinder pressman/woman - printing	<b>92012</b> dairy products processing foreman/woman
<b>73401</b> cylinder printing press set-up operator	<b>94140</b> dairy products specialty maker
<b>94107</b> cylinder roll fabricator	<b>22110</b> dairy products technician
<b>94124</b> cylinder saw tender - woodworking	<b>75201</b> dairy route salesman/woman
	<b>95106</b> dairy sampler - food and beverage processing
	<b>21110</b> dairy scientist



<b>22110</b> dairy technologist	<b>12010</b> data entry clerks supervisor
<b>94143</b> dairy tester - food and beverage processing	<b>14111</b> data entry operator
<b>22233</b> dam construction inspector	<b>12010</b> data entry supervisor
<b>74204</b> damage prevention technician	<b>14111</b> data entry verifier-operator
<b>75110</b> dampproof helper	<b>14111</b> data input clerk
<b>21300</b> dams engineer	<b>21223</b> data management specialist
<b>50011</b> dance company director	<b>21211</b> data miner
<b>53120</b> dance instructor	<b>21211</b> data mining analyst
<b>53120</b> dance notator	<b>21211</b> data modeler
<b>60040</b> dance school manager	<b>20012</b> data processing and systems analysis manager
<b>53120</b> dance teacher	<b>21222</b> data processing consultant
<b>41301</b> dance therapist	<b>14111</b> data processing control clerk
<b>41301</b> dance therapists' supervisor	<b>20012</b> data processing director
<b>41301</b> dance therapy researcher	<b>20012</b> data processing manager
<b>52110</b> dance videographer	<b>20012</b> data processing planning manager
<b>41301</b> dance-movement therapist	<b>21223</b> data processing specialist
<b>41301</b> dance-movement therapy researcher	<b>41220</b> data processing teacher - secondary school
<b>53120</b> dancer	<b>14111</b> data processing verifier
<b>53120</b> dancing instructor	<b>14111</b> data processor
<b>21120</b> dangerous goods inspector - railway transport	<b>21223</b> data quality analyst
<b>73300</b> dangerous goods truck driver	<b>21211</b> data scientist
<b>21120</b> dangerous waste inspector	<b>21223</b> data steward
<b>83121</b> Danish seine fisherman/woman	<b>21223</b> data warehouse analyst
<b>41310</b> dark web detective	<b>21223</b> database administrator (DBA)
<b>94153</b> darkroom technician - photographic processing	<b>21223</b> database analyst
<b>94153</b> darkroom technician	<b>21223</b> database architect
<b>21223</b> data administrator	<b>21223</b> database designer
<b>21223</b> data analyst - informatics and systems	<b>21223</b> database developer
<b>21211</b> data analytics consultant	<b>51100</b> database librarian
<b>20012</b> data analytics manager	<b>21223</b> database management supervisor - computer systems
<b>21211</b> data analytics specialist	<b>21223</b> database manager
<b>21211</b> data architect	<b>41210</b> data-processing teacher - college level
<b>20012</b> data centre manager	<b>65229</b> dating agency consultant
<b>22220</b> data centre operator	<b>65229</b> dating service consultant
<b>21311</b> data communications specialist	<b>54100</b> day camp counsellor - recreation
<b>14111</b> data control clerk	<b>54100</b> day camp leader
<b>12010</b> data control supervisor	<b>64314</b> day clerk - hotel
<b>21223</b> data custodian	<b>42202</b> daycare aide
<b>21223</b> data dictionary administrator	<b>42202</b> daycare attendant
<b>21211</b> data engineer	<b>42202</b> daycare coordinator
<b>14111</b> data entry clerk	

<b>42202</b> daycare helper	<b>72014</b> decorating contractor
<b>40010</b> day-care planning services director - government services	<b>72014</b> decorating foreman/woman - construction
<b>42202</b> daycare supervisor	<b>92022</b> decorating foreman/woman - furniture and fixtures manufacturing
<b>42202</b> daycare teacher	<b>94103</b> decorating kiln operator - clay products
<b>42202</b> daycare worker assistant	<b>94103</b> decorating machine tender - clay products
<b>42202</b> daycare worker	<b>53122</b> decorations painter - visual arts
<b>42204</b> deacon	<b>53124</b> decorative engraver
<b>42204</b> deaconess	<b>94210</b> decorator - furniture finishing and refinishing
<b>51114</b> deaf interpreter	<b>72014</b> decorators foreman/woman
<b>42203</b> deafblind intervenor	<b>55109</b> deejay (DJ) - turntablist
<b>60020</b> dealer - retail	<b>72999</b> deep-sea diver
<b>40020</b> dean - university or college	<b>94124</b> defect trimmer - woodworking
<b>40020</b> dean of adult education	<b>41101</b> defence counsel
<b>40020</b> dean of graduate studies	<b>94141</b> dehairing machine dropper - meat packing plant
<b>40020</b> dean of science	<b>94130</b> dehairing machine operator - hide and pelt processing
<b>40020</b> dean of student activities	<b>82030</b> dehorning service contractor
<b>40020</b> dean of technical and technological programs	<b>94110</b> dehydrating press tender - chemical processing
<b>14201</b> death benefits clerk	<b>64100</b> deli counter clerk - food store
<b>94129</b> debarker operator - wood processing	<b>60020</b> deli manager - food store
<b>63102</b> debt counsellor	<b>64100</b> delicatessen clerk - retail
<b>95109</b> deburrer - clock and watch manufacturing	<b>60020</b> delicatessen department manager - retail
<b>95101</b> deburrer - metal products manufacturing	<b>64100</b> delicatessen meat salesperson - retail
<b>94213</b> decal applier	<b>62010</b> delicatessen supervisor - food store
<b>94130</b> decating machine tender - textile manufacturing	<b>83110</b> delimeter and buncher operator
<b>41404</b> decision support analyst - health	<b>83110</b> delimeter operator
<b>41404</b> decision support specialist - health	<b>75211</b> deliverer helper
<b>73200</b> deck builder	<b>14402</b> delivery checker
<b>73200</b> deck installer	<b>14400</b> delivery clerk
<b>72602</b> deck officer - cadet	<b>75201</b> delivery driver
<b>72602</b> deck officer - water transport	<b>72024</b> delivery drivers foreman/woman
<b>75110</b> deck worker	<b>72024</b> delivery drivers supervisor
<b>94121</b> decker operator - pulp and paper	<b>74102</b> delivery person - courier service
<b>94121</b> decker tender - pulp and paper	<b>62010</b> delivery person supervisor
<b>94121</b> deckerman/woman - pulp and paper	<b>31300</b> delivery room nursing supervisor
<b>74201</b> deckhand - ships	<b>75201</b> delivery salesperson
<b>74201</b> deckhand	<b>70021</b> delivery service manager - postal and courier services
<b>84100</b> deckman/woman - underground mining	<b>64401</b> delivery services clerk
<b>94103</b> decorated products kilnman/woman - clay products	<b>64101</b> delivery services sales agent
<b>52121</b> decorating consultant	<b>64101</b> delivery services sales representative

<b>75211</b> delivery truck driver helper	<b>14101</b> dental receptionist
<b>75201</b> delivery truck driver	<b>31110</b> dental surgeon
<b>75211</b> delivery truck helper	<b>32112</b> dental technician - Canadian Armed Forces
<b>21210</b> demographer	<b>32112</b> dental technician apprentice
<b>72021</b> demolition contractor	<b>33100</b> dental technician assistant
<b>72500</b> demolition crane operator	<b>32112</b> dental technician supervisor
<b>53200</b> demolition driver	<b>32112</b> dental technician
<b>72021</b> demolition foreman/woman	<b>32112</b> dental technologist
<b>75110</b> demolition worker	<b>32111</b> dental therapist
<b>21112</b> demonstrator - Department of Agriculture	<b>14101</b> dental treatment coordinator
<b>65109</b> demonstrator - retail	<b>31110</b> dentist
<b>41210</b> denominational institute teacher	<b>41200</b> dentistry professor - university
<b>72411</b> dent remover and repairer - automobile	<b>33100</b> denture bench moulder
<b>33100</b> dental aide	<b>33100</b> denture finisher
<b>94100</b> dental amalgam processor	<b>33100</b> denture framework finisher
<b>41210</b> dental assistant program teacher - community college	<b>32110</b> denture mechanic
<b>33100</b> dental assistant	<b>33100</b> denture packer
<b>32112</b> dental ceramist	<b>33100</b> denture setter
<b>14201</b> dental claims clerk	<b>32110</b> denture technician
<b>33100</b> dental clinical assistant	<b>32110</b> denture therapist
<b>62100</b> dental equipment and supplies salesperson	<b>33100</b> denture trimmer-polisher
<b>73200</b> dental equipment installer-servicer	<b>33100</b> denture wax pattern former
<b>41404</b> dental health consultant	<b>32110</b> denturist
<b>30010</b> dental health services administrator	<b>32110</b> denturologist
<b>14101</b> dental hygiene coordinator	<b>41210</b> department chairman/woman - college
<b>32111</b> dental hygiene technician	<b>41210</b> department chairman/woman - community college
<b>41210</b> dental hygienist program teacher	<b>41200</b> department chairman/woman - university
<b>32111</b> dental hygienist technician	<b>41210</b> department chairperson - college
<b>32111</b> dental hygienist	<b>41210</b> department chairperson - community college
<b>94219</b> dental instrument assembler	<b>41200</b> department chairperson - university
<b>33100</b> dental laboratory assistant	<b>41210</b> department head - college
<b>33100</b> dental laboratory bench worker	<b>41210</b> department head - community college
<b>30010</b> dental laboratory managing supervisor	<b>41210</b> department head - general and vocational college (CEGEP)
<b>33100</b> dental laboratory technician assistant	<b>41210</b> department head - institute of technology
<b>32112</b> dental laboratory technician	<b>41210</b> department head - private training institute
<b>32110</b> dental mechanic apprentice	<b>41210</b> department head - technical institute
<b>32110</b> dental mechanic	<b>41200</b> department head - university
<b>32111</b> dental nurse	<b>41210</b> department head - vocational institute
<b>14101</b> dental office receptionist	<b>60020</b> department manager - department store
<b>32112</b> dental prosthesis maker	

<b>60020</b> department manager - retail	<b>00011</b> deputy provincial secretary - government services
<b>64100</b> department store clerk	<b>41407</b> deputy returning officer
<b>64409</b> department store information clerk	<b>43200</b> deputy sheriff
<b>60020</b> department store manager	<b>40021</b> deputy superintendent - schools
<b>00014</b> department store president	<b>63211</b> dermal therapist
<b>62010</b> department store supervisor	<b>31100</b> dermatologist
<b>62010</b> department supervisor - retail	<b>72400</b> derrick mechanic
<b>11100</b> departmental accountant	<b>84101</b> derrick worker - oil and gas drilling
<b>41101</b> departmental solicitor	<b>84101</b> derrickhand - offshore drilling
<b>63211</b> depilator	<b>84101</b> derrickhand - oil and gas drilling
<b>95100</b> depiler helper - primary metal processing	<b>84101</b> derrickhand
<b>95100</b> depiler table leverman/woman - primary metal processing	<b>84101</b> derrickman/woman - oil and gas drilling
<b>14200</b> deposit clerk	<b>84101</b> derrickman/woman
<b>14405</b> depot clerk - transit system	<b>21110</b> descriptive toxicologist
<b>40040</b> deputy chief coroner	<b>21320</b> design and development chemical engineer
<b>00012</b> deputy chief executive officer - financial, communications and other business services	<b>21310</b> design and development engineer - electrical and electronic systems
<b>00015</b> deputy chief executive officer - goods production, utilities, transportation and construction	<b>22212</b> design and drafting technologist
<b>00013</b> deputy chief executive officer - health, education, social and community services and membership organizations	<b>94152</b> design and lettering stamper - printing
<b>00012</b> deputy chief executive officer - life insurance company	<b>52111</b> design assistant - advertising production
<b>00014</b> deputy chief executive officer (CEO) - trade, broadcasting and other services	<b>62202</b> design cutter - jewellery
<b>40040</b> deputy chief medical examiner	<b>22212</b> design draftsman
<b>40040</b> deputy chief of police	<b>21301</b> design engineer - mechanical
<b>41101</b> deputy city solicitor	<b>64101</b> design sales representative - wholesale
<b>40019</b> Deputy Clerk of the House of Commons	<b>22212</b> design technician - drafting
<b>40019</b> Deputy Clerk of the Legislative Assembly	<b>22212</b> design technologist - drafting
<b>00011</b> deputy commissioner - government services	<b>13200</b> designated shipbroker
<b>10019</b> deputy court registrar	<b>52121</b> designer - interior design
<b>40041</b> deputy fire chief	<b>53123</b> designer - theatre
<b>41100</b> deputy justice	<b>51111</b> designer and script writer
<b>10019</b> deputy land registrar	<b>94210</b> desk assembler
<b>50010</b> deputy librarian	<b>92022</b> desk assembly foreman/woman - furniture and fixtures manufacturing
<b>00011</b> deputy minister - government services	<b>92022</b> desk assembly foreman/woman
<b>00011</b> deputy minister	<b>42100</b> desk officer - police
<b>00011</b> deputy municipal clerk	<b>94124</b> desk sander - woodworking
<b>40040</b> deputy police chief	<b>22221</b> deskside support technician
	<b>14112</b> desktop compositor
	<b>14112</b> desktop publishing (DTP) operator
	<b>14112</b> desktop publishing (DTP) specialist
	<b>12010</b> desktop publishing operators supervisor

<b>12010</b> desktop publishing supervisor	<b>22310</b> development technologist - telecommunications
<b>12010</b> desktop publishing system supervisor	<b>21110</b> developmental biologist
<b>22221</b> desktop support analyst	<b>21110</b> developmental geneticist
<b>65201</b> dessert maker	<b>42201</b> developmental service worker
<b>65201</b> dessert preparer	<b>94110</b> devulcanizer tender
<b>93101</b> desulphurizer operator	<b>94100</b> dewaterer tender - primary metal processing
<b>93101</b> desulphurizing unit operator	<b>94100</b> dewatering equipment operator
<b>93200</b> detail assembler - aircraft assembly	<b>94140</b> dextrine maker - food and beverage processing
<b>22212</b> detail drafts person	<b>31112</b> diagnostic audiologist
<b>93200</b> detail inspector - aircraft assembly	<b>32122</b> diagnostic cardiac sonographer
<b>21230</b> detail programmer	<b>32122</b> diagnostic echography technician
<b>94124</b> detail shaper - woodworking	<b>32121</b> diagnostic imaging technologist
<b>22212</b> detailer - structural steel drafter	<b>62100</b> diagnostic instrument sales representative
<b>22212</b> detailer	<b>32121</b> diagnostic medical radiation technologist
<b>41310</b> detective - police	<b>32122</b> diagnostic medical sonographer
<b>10029</b> detective agency manager	<b>32122</b> diagnostic medical sonography instructor
<b>40040</b> detective inspector - police	<b>32121</b> diagnostic radiography technologist
<b>41310</b> detective sergeant - police	<b>32121</b> diagnostic radiological technician
<b>43201</b> detention attendant	<b>32121</b> diagnostic radiological technologist
<b>40030</b> detention centre director	<b>31100</b> diagnostic radiologist
<b>43201</b> detention guard	<b>31100</b> diagnostic radiology specialist
<b>42201</b> detention home worker	<b>32121</b> diagnostic radiology technologist
<b>94110</b> detergent and powdered soap screener-perfumer	<b>72410</b> diagnostic technician - motor vehicles
<b>92011</b> detergent and remover manufacturing foreman/woman	<b>32122</b> diagnostic ultrasonography technician
<b>21101</b> detergent chemist	<b>32122</b> diagnostic ultrasound supervisor
<b>94219</b> detonator and fuse assembler	<b>32122</b> diagnostic ultrasound technician
<b>94219</b> detonator assembler	<b>32122</b> diagnostic ultrasound technologist - medical
<b>94153</b> developer-printer machine tender	<b>94219</b> dial marker
<b>94153</b> developing machine operator - photographic processing	<b>10030</b> dial plant manager - telecommunications
<b>21231</b> development and operations (DevOps) engineer	<b>10030</b> dial plant superintendent - telecommunications
<b>43202</b> development control officer	<b>51111</b> dialogue writer
<b>41401</b> development economist	<b>31301</b> dialysis nurse
<b>21102</b> development geologist	<b>32129</b> dialysis technician
<b>93200</b> development mechanic - aircraft assembly	<b>32129</b> dialysis technologist
<b>83100</b> development miner	<b>94103</b> diamond abrasive wheel maker
<b>11202</b> development officer - fundraising	<b>62202</b> diamond bruter
<b>11202</b> development officer - university	<b>62202</b> diamond cutter
<b>42201</b> development service worker	<b>73402</b> diamond drill operator - surface mining and quarrying
	<b>83100</b> diamond driller - underground mining
	<b>75110</b> diamond driller helper - surface mining

<b>84100</b> diamond driller helper - underground mining	<b>72101</b> die finisher
<b>82020</b> diamond drilling foreman/woman	<b>72101</b> die fitter
<b>22101</b> diamond drilling technician	<b>72101</b> die maker - jewellery
<b>62202</b> diamond expert	<b>72101</b> die maker
<b>62202</b> diamond grader - jewellery manufacturing	<b>72101</b> die mouldmaker
<b>94102</b> diamond grinder operator - glass finishing	<b>72101</b> die reamer
<b>62202</b> diamond marker	<b>72101</b> die repairer
<b>62202</b> diamond polisher	<b>72101</b> die repairman/woman
<b>94100</b> diamond powder blender	<b>72999</b> die setter
<b>94103</b> diamond powder mixer - stone products	<b>72101</b> die sinker - metalworking
<b>72101</b> diamond saw maker	<b>72101</b> die sinker
<b>62202</b> diamond Sawyer	<b>94150</b> die stamper - printing
<b>62202</b> diamond selector - jewellery manufacturing	<b>72101</b> diecast diemaker
<b>62202</b> diamond setter	<b>94101</b> die-casting machine operator
<b>72101</b> diamond tool maker	<b>94101</b> die-casting machine setter - foundry
<b>94102</b> diamond wheel edger - glass finishing	<b>94101</b> die-casting machine set-up man/woman - foundry
<b>94103</b> diamond wheel moulder and finisher	<b>94101</b> die-casting machine tender - foundry
<b>83100</b> diamond-drill operator	<b>94122</b> die-cutting machine operator - paper products
<b>83100</b> diamond-drill runner - underground mining	<b>94152</b> die-cutting or die-numbering press operator - printing
<b>83100</b> diamond-point drill operator	<b>94152</b> die-cutting platen press operator - printing
<b>94122</b> diaper machine tender - paper converting	<b>72106</b> dielectric welder
<b>94122</b> diaper-folding machine tender - paper converting	<b>72201</b> diesel electrician - railway
<b>94219</b> dice maker	<b>94204</b> diesel engine assembler
<b>94212</b> dicer tender - plastic manufacturing	<b>92023</b> diesel engine assembly foreman/woman
<b>94212</b> dicing machine tender - plastic manufacturing	<b>94204</b> diesel engine erector
<b>73209</b> dictaphone repairer	<b>72100</b> diesel engine machinist
<b>73209</b> dictaphone servicer	<b>72401</b> diesel engine mechanic - heavy equipment
<b>12110</b> dictatypist	<b>72401</b> diesel engine mechanic apprentice
<b>53121</b> diction coach	<b>72401</b> diesel engine mechanic
<b>51110</b> dictionary editor	<b>72401</b> diesel engine repairman/woman - railway
<b>94201</b> die attacher - electronic equipment manufacturing	<b>94204</b> diesel engine tester
<b>95101</b> die blanking press operator helper - metal products manufacturing	<b>21301</b> diesel engineer - design and research
<b>92010</b> die casting foreman/woman - foundry	<b>92100</b> diesel generating station operator - electrical power systems
<b>92010</b> die casting supervisor	<b>83100</b> diesel loaderman/woman - underground mining
<b>95105</b> die cutter - fabric, fur and leather products manufacturing	<b>73310</b> diesel locomotive engineer - railway
<b>72101</b> die cutter - metalworking	<b>72401</b> diesel locomotive repairman/woman
<b>72101</b> die cutter	<b>72401</b> diesel mechanic - heavy equipment
<b>22301</b> die designer	<b>72401</b> diesel mechanic apprentice
	<b>75119</b> diesel mechanic helper

<b>72401</b> diesel mechanic	<b>72100</b> dimensional inspector - machine shop
<b>92100</b> diesel plant operator - electrical power systems	<b>94219</b> dinghy assembler
<b>92100</b> diesel station operator	<b>72411</b> dingman/woman - autobody
<b>94106</b> diesinking machine set-up operator	<b>65200</b> dining car steward
<b>63200</b> diet kitchen cook	<b>65200</b> dining car waiter/waitress
<b>65201</b> dietary aide	<b>60030</b> dining establishment managing supervisor
<b>63200</b> dietary cook	<b>65201</b> dining room assistant
<b>32129</b> dietary technician	<b>65201</b> dining room attendant
<b>32129</b> dietary technologist	<b>65200</b> dining room captain
<b>31121</b> dietetic consultant	<b>65100</b> dining room cashier
<b>14100</b> dietetics office clerk - hospital	<b>64300</b> dining room host/hostess
<b>31121</b> dietician	<b>60030</b> dining room manager
<b>31121</b> dietitian	<b>65200</b> dining room steward
<b>31121</b> dietitian-nutritionist	<b>53100</b> dinosaur museum interpreter
<b>94204</b> differential assembler	<b>53100</b> diorama maker - museums and art galleries
<b>72100</b> differential gear testing machinist	<b>53100</b> diorama technician
<b>94140</b> diffuser operator - food and beverage processing	<b>94205</b> dip and bake operator - electrical equipment manufacturing
<b>94201</b> diffusion furnace operator - electronic equipment manufacturing	<b>94213</b> dip tank attendant
<b>94121</b> digester cook - pulp and paper	<b>94129</b> dip tank tender - wood processing
<b>94121</b> digester field operator	<b>41407</b> diplomat
<b>94110</b> digester operator - chemical processing	<b>41409</b> diplomatic historian
<b>94100</b> digester operator - primary metal and mineral processing	<b>94213</b> dipper and coater - metal plating
<b>94121</b> digester operator - pulp and paper	<b>94213</b> dipper-baker
<b>94121</b> digester tender - pulp and paper	<b>95109</b> dipping labourer
<b>75110</b> digger - construction	<b>94112</b> dipping machine tender - rubber products manufacturing
<b>11202</b> digital advertising specialist	<b>94213</b> dipping tank operator
<b>52120</b> digital animator - artist	<b>94213</b> dipping tank tender
<b>21310</b> digital circuit design engineer	<b>94201</b> dip-soldering machine operator - electronic equipment manufacturing
<b>22220</b> digital computer operator	<b>72205</b> direct broadcast satellite (DBS) technician - cable television
<b>52113</b> digital effects specialist	<b>65109</b> direct distributor - retail
<b>22310</b> digital electronics technician	<b>11201</b> direct mail specialist
<b>52111</b> digital graphic design technician	<b>41210</b> direct sales instructor
<b>11202</b> digital marketing consultant	<b>65109</b> direct seller
<b>11202</b> digital marketing coordinator	<b>83101</b> directional driller - oil and gas drilling
<b>11202</b> digital marketing project manager	<b>82021</b> directional drilling consultant - oil and gas
<b>94151</b> digital printing technician	<b>83101</b> directional drilling operator - oil and gas drilling
<b>53125</b> digitizer operator - textile, leather and fur products	<b>83101</b> directional drilling operator
<b>94124</b> dimension planer operator - woodworking	<b>10010</b> director - financial services

<b>51120</b> director - motion picture	<b>30010</b> director of professional services - medical services
<b>51120</b> director - motion pictures, broadcasting and performing arts	<b>30010</b> director of psychology - health care
<b>00011</b> director general - government services	<b>40030</b> director of public welfare
<b>00013</b> director general - health, education, social and community services and membership organizations	<b>40019</b> director of public works
<b>10010</b> director of accounting	<b>20010</b> director of quality assurance engineering
<b>40020</b> director of admissions - post-secondary education	<b>20010</b> director of quality control engineering
<b>20011</b> director of architecture	<b>50012</b> director of recreation and sports
<b>30010</b> director of audiology and speech language pathology	<b>50012</b> director of recreation
<b>30010</b> director of clinical medicine	<b>40020</b> director of research - university or college
<b>40030</b> director of counselling	<b>20010</b> director of safety engineering
<b>20012</b> director of data science	<b>40021</b> director of school for the blind or deaf
<b>10022</b> director of development - annual giving	<b>40021</b> director of school for the hearing impaired
<b>30010</b> director of dietetics	<b>40021</b> director of school for the visually impaired
<b>40021</b> director of education - correctional institution	<b>40012</b> director of school services
<b>40012</b> director of education - public administration	<b>20012</b> director of software engineering
<b>20010</b> director of engineering - manufacturing	<b>50012</b> director of sports administration - government
<b>20010</b> director of engineering research and development	<b>50012</b> director of sports and leisure
<b>20010</b> director of engineering	<b>50012</b> director of sports and recreation
<b>50012</b> director of fitness administration - government	<b>40020</b> director of student affairs
<b>40030</b> director of guidance services	<b>40020</b> director of studies - college
<b>30010</b> director of laboratory medicine	<b>30010</b> director of surgery
<b>50012</b> director of leisure and sports	<b>10019</b> director of sustainability - real estate development
<b>50012</b> director of leisure	<b>90011</b> director of sustainability - waste management
<b>70020</b> director of logistics - transportation	<b>20011</b> director of sustainability
<b>70012</b> director of maintenance	<b>20012</b> director of technology management
<b>20010</b> director of mechanical engineering	<b>70020</b> director of traffic - transportation
<b>80010</b> director of mining operations	<b>70020</b> director of transportation
<b>80010</b> director of mining	<b>90011</b> director of waste management
<b>30010</b> director of nursing - medical services	<b>90011</b> director of water pollution control
<b>30010</b> director of occupational therapy	<b>10010</b> director-treasurer - financial services
<b>40030</b> director of operations - housing department	<b>14301</b> directory clerk
<b>90010</b> director of operations - manufacturing	<b>14301</b> directory compiler
<b>70020</b> director of operations - transportation	<b>64322</b> dirigible pilot
<b>51120</b> director of photography	<b>14201</b> disability benefits clerk - insurance
<b>30010</b> director of physiotherapy	<b>11200</b> disability case manager - human resources
<b>10019</b> director of product sustainability	<b>12201</b> disability claims examiner - insurance
	<b>41301</b> disability consultant
	<b>11200</b> disability management coordinator
	<b>11200</b> disability management practitioner



<b>11200</b> disability management professional	<b>21310</b> displays and controls design engineer
<b>10011</b> disability management program manager	<b>75101</b> disposal worker - warehouse
<b>11200</b> disability management specialist	<b>93101</b> dissolver-precipitator
<b>42201</b> disability management worker	<b>41405</b> distance education program coordinator
<b>41400</b> disaster emergency response planner	<b>41405</b> distance education project officer
<b>12201</b> disaster relief claims adjuster - insurance	<b>41220</b> distance education teacher - secondary school
<b>40019</b> disaster relief services coordinator	<b>95102</b> distillation equipment helper - chemical processing
<b>14200</b> disbursement clerk	<b>95102</b> distillation equipment helper
<b>94105</b> disc flanging operator - metal fabrication	<b>93101</b> distillation equipment operator
<b>52114</b> disc jockey (DJ) - broadcast	<b>92011</b> distillation foreman/woman - chemical processing
<b>94100</b> discharge door attendant	<b>93101</b> distillation operator
<b>11103</b> discount broker	<b>94140</b> distilled liquors rectifier - food and beverage processing
<b>14201</b> discount clerk - financial sector	<b>94140</b> distilled liquors stillman/woman - food and beverage processing
<b>53200</b> discuss thrower	<b>95102</b> distiller helper - chemical processing
<b>41201</b> discussion group leader - post-secondary teaching assistant	<b>94110</b> distiller operator - soda ash processing
<b>94103</b> dish maker - clay products	<b>94140</b> distillery cooker - food and beverage processing
<b>94202</b> dishwasher assembler	<b>92012</b> distillery foreman/woman
<b>73200</b> dishwasher installer	<b>94140</b> distillery grinder operator
<b>72421</b> dishwasher repairer	<b>90010</b> distillery manager
<b>65201</b> dishwasher	<b>94140</b> distillery press operator
<b>65201</b> dishwashing machine attendant	<b>94140</b> distillery presser
<b>94124</b> disk cutter - wood products	<b>94140</b> distillery skimmer
<b>94105</b> disk flange operator - metal fabrication	<b>94140</b> distillery yeast maker - food and beverage processing
<b>94105</b> disk flange operator	<b>74204</b> distribution and maintenance worker - utilities
<b>13201</b> dispatch logistician	<b>13201</b> distribution and transport logistics technician
<b>12013</b> dispatchers supervisor	<b>70020</b> distribution and warehousing manager
<b>33103</b> dispensary assistant	<b>70012</b> distribution centre manager
<b>31120</b> dispensary department supervisor - hospital	<b>14400</b> distribution clerk
<b>31112</b> dispensing audiologist	<b>72203</b> distribution construction lineman
<b>32100</b> dispensing optician student	<b>92100</b> distribution control operator - electrical power systems
<b>32100</b> dispensing optician	<b>92100</b> distribution control operator
<b>60020</b> dispensing opticians office manager	<b>70020</b> distribution director
<b>64101</b> display advertising sales representative	<b>70020</b> distribution manager - logistics
<b>94219</b> display balloon maker	<b>60010</b> distribution manager - sales
<b>62010</b> display design supervisor	<b>90011</b> distribution network director - utilities
<b>53123</b> display designer - museums and art galleries	<b>12013</b> distribution officer
<b>64100</b> display designer	<b>70020</b> distribution operations manager - logistics
<b>62010</b> display designers supervisor	
<b>65210</b> display installer	
<b>53100</b> display officer - museums and art galleries	

<b>90011</b> distribution operations manager - utilities	<b>94140</b> dividing machine tender - food and beverage processing
<b>22310</b> distribution planning technologist	<b>72999</b> diving contractor
<b>70020</b> distribution services manager	<b>72999</b> diving supervisor
<b>12013</b> distribution supervisor	<b>10019</b> division administrative manager
<b>92100</b> distribution system dispatcher apprentice - electrical power systems	<b>40041</b> division chief - fire department
<b>92100</b> distribution system operator	<b>11100</b> division controller - accounting
<b>90011</b> distribution systems director - utilities	<b>50010</b> division librarian
<b>21112</b> district agricultural specialist	<b>90011</b> division manager - petroleum distribution
<b>21112</b> district agronomist	<b>42100</b> divisional diving supervisor - police
<b>41100</b> district and surrogate court judge	<b>60010</b> divisional sales manager
<b>41100</b> district court judge	<b>94131</b> dobbie loom drawer-in
<b>10019</b> district court registrar	<b>94131</b> dobbie loom weaver
<b>21300</b> district engineer	<b>73200</b> dock builder-installer
<b>40041</b> district fire chief	<b>72310</b> dock carpenter
<b>21111</b> district forester	<b>72021</b> dock foreman/woman - marine cargo
<b>72302</b> district gas serviceman/woman	<b>75100</b> dock hand
<b>22113</b> district inspector - fisheries	<b>75100</b> dockerman/woman - marine cargo handling
<b>40010</b> district manager - employment insurance	<b>75101</b> dockman/woman - truck transport
<b>10030</b> district manager - telecommunications	<b>22113</b> dockside monitor - fisheries
<b>40040</b> district police chief	<b>22113</b> dockside observer - fisheries
<b>70021</b> district post office director	<b>75100</b> dockworker - marine cargo handling
<b>64101</b> district sales representative - wholesale	<b>75100</b> dockworker
<b>40021</b> district school assistant superintendent	<b>32200</b> doctor of acupuncture
<b>40021</b> district school superintendent	<b>32200</b> doctor of Chinese medicine
<b>43200</b> district sheriff	<b>31201</b> doctor of chiropractic (DC)
<b>22113</b> district supervisor - fisheries	<b>31110</b> doctor of dental surgery
<b>63100</b> district supervisor - insurance office	<b>31102</b> doctor of medicine (MD)
<b>72205</b> districtman/woman - telecommunications	<b>31209</b> doctor of naturopathic medicine
<b>75110</b> ditch cleaner - construction	<b>31209</b> doctor of naturopathy
<b>22233</b> ditch construction inspector	<b>31111</b> doctor of optometry (OD)
<b>73400</b> ditcher operator - construction	<b>32200</b> doctor of Oriental medicine
<b>72021</b> ditching foreman/woman	<b>31209</b> doctor of osteopathic medicine
<b>73400</b> ditching machine operator	<b>31209</b> doctor of osteopathy
<b>53200</b> diver - olympic sport	<b>31209</b> doctor of podiatric medicine (D.P.M.)
<b>75119</b> diver helper	<b>31209</b> doctor of podiatry
<b>72999</b> diver	<b>32200</b> doctor of traditional Chinese medicine
<b>42100</b> diversity and race relations officer - police	<b>31103</b> doctor of veterinary medicine
<b>14201</b> dividend calculation clerk - financial sector	<b>31301</b> doctor's office nurse
<b>14201</b> dividend calculation clerk	<b>14101</b> doctor's office receptionist
	<b>12112</b> document management technician

<b>53100</b> document restoration technician	<b>72421</b> domestic window air conditioner mechanic
<b>12112</b> document technician	<b>72421</b> domestic window air conditioner repairer
<b>14301</b> documentalist	<b>63202</b> donut baker
<b>13100</b> documentation and projects analyst	<b>63202</b> donut maker
<b>14301</b> documentation clerk	<b>65201</b> donut shop attendant
<b>51100</b> documentation librarian	<b>65201</b> donut shop clerk
<b>12112</b> documentation technician	<b>65201</b> donut shop counter clerk
<b>14100</b> documents clerk	<b>94200</b> door adjuster - motor vehicle manufacturing
<b>22100</b> documents examiner - applied chemistry	<b>94200</b> door and deck lid adjuster - motor vehicle manufacturing
<b>95105</b> doffer	<b>92024</b> door and sash assembly foreman/woman
<b>80020</b> dog breeder	<b>94200</b> door assembler - motor vehicle manufacturing
<b>43202</b> dog catcher	<b>65329</b> door attendant (except hotel)
<b>65220</b> dog groomer	<b>94211</b> door finisher - wood products manufacturing
<b>60040</b> dog grooming establishment manager	<b>94200</b> door fitter - motor vehicle manufacturing
<b>65220</b> dog handler	<b>94200</b> door fitter
<b>60040</b> dog kennel manager	<b>75110</b> door frame installer
<b>42100</b> dog master - police	<b>94200</b> door hanger - motor vehicle manufacturing
<b>65220</b> dog master trainer	<b>73200</b> door installer
<b>65220</b> dog master	<b>94200</b> door paneler - motor vehicle manufacturing
<b>65220</b> dog trainer	<b>65210</b> door person - hotel
<b>43202</b> dog warden	<b>95109</b> door sander
<b>64322</b> dogsledding guide	<b>94124</b> door-hang machine operator - woodworking
<b>94219</b> doll assembly repairer	<b>65329</b> doorman/woman (except hotel)
<b>94219</b> doll hairstylist	<b>75201</b> door-to-door distributor
<b>94219</b> doll maker - manufacturing	<b>62010</b> door-to-door sales supervisor
<b>53111</b> dolly operator - motion pictures and broadcasting	<b>62010</b> door-to-door salesperson supervisor - retail
<b>53111</b> dolly pusher - motion pictures and broadcasting	<b>65109</b> door-to-door salesperson
<b>72200</b> domestic and rural electrician	<b>75110</b> dope machine operator - pipelines
<b>80020</b> domestic animal breeder	<b>53125</b> doper - fabric products
<b>21110</b> domestic animal scientist	<b>53125</b> doper and marker
<b>00012</b> domestic banking operations vice-president	<b>32121</b> dosimetrist
<b>63200</b> domestic cook	<b>94151</b> dot etcher - printing
<b>44101</b> domestic helper	<b>94151</b> dot etcher
<b>65310</b> domestic housekeeper	<b>94132</b> double needle sewing machine operator
<b>65310</b> domestic maid - cleaning services	<b>94132</b> double needle sewing machine stitcher
<b>72421</b> domestic refrigerator repairer	<b>94130</b> doubling machine operator - textile manufacturing
<b>72421</b> domestic refrigerator servicer	<b>94130</b> doubling machine tender - textile manufacturing
<b>73209</b> domestic sewing machine mechanic	<b>95106</b> dough feeder - food and beverage processing
<b>94132</b> domestic sewing machine operator	<b>94140</b> dough maker - food and beverage processing
<b>73209</b> domestic sewing machine repairer	

<b>95106</b> dough roller	<b>22212</b> draftsman
<b>95106</b> dough weigher	<b>22212</b> draftspersons supervisor
<b>94140</b> dough-kneading machine tender	<b>94120</b> drag saw operator - sawmill
<b>65201</b> doughnut shop attendant	<b>72500</b> dragline crane operator
<b>65201</b> doughnut shop clerk	<b>74203</b> dragline oiler
<b>65201</b> doughnut shop counter clerk	<b>75110</b> dragline operator helper
<b>44101</b> doula	<b>74205</b> drain roto servicer - public works
<b>94124</b> dovetail machine operator - woodworking	<b>94103</b> drain tile auger machine operator - clay products
<b>94124</b> dowel machine operator - woodworking	<b>21300</b> drainage design engineer
<b>94124</b> dowel machine set-up operator - woodworking	<b>65311</b> drain-roto cleaner
<b>94124</b> dowel machine tender	<b>53121</b> drama actor
<b>94124</b> dowel pointer - woodworking	<b>53121</b> drama coach
<b>94124</b> dowelling machine operator - woodworking	<b>51113</b> drama critic
<b>94124</b> dowelling machine set-up operator - woodworking	<b>41200</b> drama professor - university
<b>94124</b> dowelling machine tender - woodworking	<b>53121</b> drama teacher - private or studio
<b>94124</b> dowel-making machine operator - woodworking	<b>41220</b> drama teacher - secondary school
<b>94124</b> dowel-making machine set-up operator - woodworking	<b>41301</b> drama therapist
<b>94124</b> dowel-making machine tender - woodworking	<b>41301</b> drama therapists' supervisor
<b>72106</b> downhand welder - pipeline	<b>41409</b> dramatic arts historian
<b>83100</b> downhole loader - underground mining	<b>53121</b> dramatic arts teacher - private or studio
<b>83101</b> downhole tool operator - oil and gas drilling	<b>53121</b> dramatic reader
<b>83101</b> downhole tool operator	<b>94133</b> draper
<b>73400</b> dozer operator	<b>64100</b> drapery and upholstery salesperson - retail
<b>22212</b> drafter	<b>65320</b> drapery cleaner - laundry and dry cleaning
<b>22212</b> drafting checker	<b>65320</b> drapery cleaner
<b>22212</b> drafting clerk	<b>73200</b> drapery hanger
<b>22212</b> drafting design checker	<b>94132</b> drapery header
<b>22212</b> drafting group leader	<b>94132</b> drapery heading maker
<b>41210</b> drafting instructor - college level	<b>73200</b> drapery installer
<b>41210</b> drafting instructor	<b>95109</b> drapery making labourer
<b>22212</b> drafting office supervisor	<b>94132</b> drapery sewer
<b>22212</b> drafting supervisor	<b>94210</b> drawer assembler
<b>41210</b> drafting teacher - college level	<b>94210</b> drawer fitter
<b>41210</b> drafting teacher	<b>95100</b> drawer helper - primary metal processing
<b>22212</b> drafting technician	<b>94131</b> drawer-in - textiles
<b>22212</b> drafting technologist	<b>94131</b> drawer-in helper - textiles
<b>22212</b> drafting tracer	<b>94219</b> drawing instrument assembler
<b>22212</b> draftsman/woman	<b>94102</b> drawing kiln operator - glass forming
<b>22212</b> draftsman - computer-assisted design	<b>94130</b> drawing machine tender - textile fibre
	<b>94131</b> drawing-in machine operator - textiles

<b>94131</b> drawing-in machine operator	<b>94124</b> drill operator - woodworking
<b>14100</b> drawings filing clerk	<b>94106</b> drill press operator - metal machining
<b>95109</b> drawstring inserter - garment manufacturing	<b>94103</b> drill press operator - stone products
<b>72602</b> dredge captain	<b>94124</b> drill press operator - woodworking
<b>72602</b> dredge commanding officer	<b>94106</b> drill press set-up operator - metal machining
<b>74201</b> dredge deckhand	<b>94122</b> drill punch tender - paper converting
<b>72602</b> dredge mate	<b>83101</b> drill stem tester - oil and gas drilling
<b>72401</b> dredge mechanic	<b>83101</b> drill stem tester
<b>73400</b> dredge operator	<b>83101</b> driller - offshore drilling rig
<b>72401</b> dredge repairer	<b>83101</b> driller - oil and gas drilling
<b>73400</b> dredge runner	<b>73402</b> driller - quarrying
<b>75110</b> dredge worker	<b>73402</b> driller - surface mine
<b>72021</b> dredgemaster - construction	<b>73402</b> driller - surface mining
<b>72021</b> dredging equipment operators foreman/woman	<b>83100</b> driller - underground mining
<b>72021</b> dredging foreman/woman	<b>75110</b> driller helper - surface mining
<b>95109</b> dress finisher	<b>84100</b> driller helper - underground mining
<b>53125</b> dress patternmaker	<b>72021</b> drilling and blasting foreman/woman - construction
<b>92015</b> dress repairs foreman/woman - clothing manufacturing	<b>94106</b> drilling and milling machine operator - metal machining
<b>84120</b> dressage and stunt horse trainer	<b>21332</b> drilling and recovery chief engineer
<b>54100</b> dressage instructor	<b>21332</b> drilling and recovery petroleum engineer
<b>94130</b> dressed hide and pelt finisher	<b>22101</b> drilling fluid technician
<b>94143</b> dressed poultry grader	<b>82020</b> drilling foreman/woman - mining and quarrying
<b>95101</b> dresser - metal products manufacturing	<b>73402</b> drilling machine operator - construction
<b>53111</b> dresser - motion pictures, broadcasting and performing arts	<b>94106</b> drilling machine operator - metal machining
<b>94130</b> dresser - textile manufacturing	<b>83100</b> drilling machine operator - underground mining
<b>94140</b> dressing and sauce mixer	<b>80010</b> drilling operations manager
<b>94140</b> dressing mixer operator - food and beverage processing	<b>72106</b> drilling platform welder
<b>64200</b> dressmaker	<b>72500</b> drilling rig crane operator
<b>92015</b> dressmakers supervisor	<b>32102</b> drilling rig medic
<b>92015</b> dressmaking department foreman/woman	<b>32102</b> drilling rig medical technician
<b>92015</b> dressmaking department supervisor	<b>32102</b> drilling rig medical warden
<b>83100</b> drift driller - underground mining	<b>32102</b> drilling rig medical worker
<b>83100</b> drift miner	<b>14404</b> drilling rig radio operator
<b>93200</b> drill and ream mechanic - aircraft assembly	<b>14401</b> drilling rig storekeeper
<b>84100</b> drill carriage operator helper - underground mining	<b>72106</b> drilling rig welder
<b>82020</b> drill fitter boss - mining	<b>22310</b> drilling rigs electronic technician
<b>82020</b> drill fitter foreman/woman - mining	<b>65201</b> drive-in food service attendant
<b>95101</b> drill grinder - metal products manufacturing	<b>65211</b> drive-in theatre attendant
	<b>75211</b> driver helper

<b>75201</b> driver salesman/woman	<b>94124</b> drum sander - woodworking
<b>75201</b> driver salesperson	<b>94124</b> drum sander operator - woodworking
<b>43109</b> driver's licence examiner	<b>51122</b> drummer
<b>43109</b> driving examiner	<b>94205</b> dry battery coremaking machine tender
<b>43109</b> driving instructor	<b>94205</b> dry battery inspector - electrical equipment manufacturing
<b>65211</b> driving range attendant	<b>94205</b> dry battery process room operator - electrical equipment manufacturing
<b>43109</b> driving school instructor	<b>94205</b> dry battery tester - electrical equipment manufacturing
<b>60040</b> driving school manager	<b>94130</b> dry cans operator - textile manufacturing
<b>65329</b> drone pilot	<b>94205</b> dry cell and battery assembler
<b>22301</b> drone technician	<b>94205</b> dry cell assembler
<b>94105</b> drop forge hand	<b>92021</b> dry cell assemblers supervisors
<b>94105</b> drop forge operator - metal forging	<b>94205</b> dry cell assembly machine feeder - electrical equipment manufacturing
<b>94105</b> drop forge operator	<b>94205</b> dry cell battery assembler
<b>94105</b> drop forger	<b>94205</b> dry cell capping machine tender - electrical equipment manufacturing
<b>94105</b> drop hammer forger	<b>94205</b> dry cell charge machine operator - electrical equipment manufacturing
<b>95101</b> drop hammer helper - metal fabrication	<b>94205</b> dry cell charge machine operator
<b>94105</b> drop hammer operator - metal forging	<b>94205</b> dry cell charger operator - electrical equipment manufacturing
<b>94129</b> drop sorter operator - wood processing	<b>94205</b> dry cell coremaking machine tender - electrical equipment manufacturing
<b>42201</b> drop-in centre worker	<b>94205</b> dry cell coremaking machine tender
<b>94131</b> drop-pinning machine operator - textiles	<b>95109</b> dry cell remover - electrical equipment manufacturing
<b>93100</b> dross furnace operator	<b>94205</b> dry cell sealer - electrical equipment manufacturing
<b>95100</b> dross skimmer - primary metal and mineral products processing	<b>94205</b> dry cell tester - electrical equipment manufacturing
<b>94100</b> dross treatment operator - zinc melting	<b>94205</b> dry cell tube machine assembler - electrical equipment manufacturing
<b>41301</b> drug addiction counsellor	<b>95103</b> dry chain offbearer - wood processing
<b>42201</b> drug addiction worker	<b>95103</b> dry chainman/woman - wood processing
<b>41404</b> drug and alcohol abuse consultant	<b>65320</b> dry cleaner helper
<b>94110</b> drug and toilet goods weigher	<b>62029</b> dry cleaner supervisor
<b>94219</b> drug and toilet preparations inspector	<b>65320</b> dry cleaner
<b>31120</b> drug information pharmacist	<b>75201</b> dry cleaning driver
<b>41310</b> drug investigator - police	<b>65320</b> dry cleaning machine operator - laundry and dry cleaning
<b>40040</b> drug squad inspector - police	<b>65320</b> dry cleaning machine operator helper
<b>75201</b> drug store delivery driver	<b>60040</b> dry cleaning plant manager
<b>31120</b> druggist	
<b>64100</b> drugstore clerk	
<b>33103</b> drugstore dispensing assistant	
<b>60020</b> drugstore manager	
<b>33103</b> drugstore side room attendant	
<b>94129</b> drum barker tender - wood processing	
<b>53124</b> drum maker - artisan	
<b>94213</b> drum painter	

<b>62029</b> dry cleaning production supervisor	<b>73102</b> drywall and ceiling system installer
<b>60040</b> dry cleaning service manager	<b>73102</b> drywall and lather applicator
<b>62029</b> dry cleaning supervisor	<b>72014</b> drywall application contractor
<b>95106</b> dry curer - food and beverage processing	<b>73102</b> drywall applicator
<b>75210</b> dry dock worker - shipbuilding	<b>72014</b> drywall applicators foreman/woman
<b>94110</b> dry explosive mixer	<b>72014</b> drywall contractor
<b>94140</b> dry foods mixer operator	<b>73102</b> drywall finisher apprentice
<b>94110</b> Dry Ice maker	<b>73102</b> drywall finisher
<b>94103</b> dry pan operator - stone products	<b>73102</b> drywall hanger
<b>94103</b> dry plaster mixer	<b>73102</b> drywall installer and finisher apprentice
<b>94103</b> dry press operator - clay products	<b>73102</b> drywall installer and finisher
<b>94103</b> dry products mixer - stone products	<b>73102</b> drywall installer lead hand
<b>94140</b> dry starch maker helper	<b>72014</b> drywall installer supervisor
<b>94140</b> dry starch maker	<b>73102</b> drywall installer team leader
<b>94140</b> dry starch operator - food and beverage processing	<b>73102</b> drywall installer
<b>94140</b> dry starch worker - food and beverage processing	<b>73102</b> drywall interior systems installer
<b>94130</b> dryer - textile manufacturing	<b>73102</b> drywall mechanic
<b>94140</b> dryer and cooler operator - tobacco processing	<b>73102</b> drywall nailer
<b>94110</b> dryer operator - chemical processing	<b>73102</b> drywall nailing person
<b>94140</b> dryer operator - food processing	<b>75110</b> drywall sander
<b>94100</b> dryer operator - mineral and metal processing	<b>73102</b> drywall taper
<b>94110</b> dryer tender - chemical processing	<b>72014</b> drywaller-contractor
<b>94140</b> dryer tender - tobacco processing	<b>94105</b> dual action hammer operator - metal forging
<b>95102</b> dryer tender helper - chemical processing	<b>51111</b> dubbing dialogue writer
<b>95100</b> dryer worker - primary metal processing	<b>52113</b> dubbing machine operator
<b>94110</b> dryhouse attendant - chemical processing	<b>73200</b> duct installer - construction
<b>94140</b> drying drum tender - food and beverage processing	<b>73200</b> duct installer
<b>94129</b> drying kiln operator - wood processing	<b>64322</b> dude wrangler
<b>95105</b> drying machine helper - textile processing	<b>85102</b> dulse gatherer
<b>94130</b> drying machine operator - textile manufacturing	<b>72406</b> dumbwaiter installer-repairer
<b>94140</b> drying machine operator - tobacco processing	<b>73300</b> dump truck driver
<b>94103</b> drying machine tender - clay products	<b>75101</b> dumper - material handling
<b>94130</b> drying machine tender - textile manufacturing	<b>75101</b> dumper - surface coal mining
<b>94130</b> drying machine tender - textile processing	<b>95106</b> dumping machine tender - food and beverage processing
<b>84100</b> dryman/woman - underground mining	<b>75212</b> dumpman/woman
<b>94101</b> dry-sand moulder - foundry	<b>73300</b> dumpster truck driver
<b>92012</b> dry-starch foreman/woman - food processing	<b>53111</b> duplicate-film examiner - motion pictures and broadcasting
<b>73102</b> drywall and acoustic mechanic	<b>94201</b> duplicating machine assembler
<b>75110</b> drywall and acoustical board installer helper	<b>94105</b> duplicator punch operator - metal fabrication

**94219** dust brush assembler  
**94219** dust brush maker  
**94219** dust mop assembler  
**94219** dust mop maker  
**94100** dust operator  
**94100** dust pump operator - slag furnace  
**95100** dust remover - primary metal processing  
**95100** dust-collector labourer - primary metal processing  
**94219** duster maker  
**21101** dye chemist  
**92015** dye department foreman/woman - textiles  
**92015** dye foreman/woman - textiles  
**94110** dye maker  
**94130** dye mixer  
**22230** dye penetrant technician  
**22230** dye penetrant tester  
**92015** dye room foreman/woman - textile processing  
**92015** dye room supervisor - textiles processing  
**92015** dye room supervisor - textiles  
**92015** dye room supervisor  
**92015** dyehouse foreman/woman - hide and pelt processing  
**92015** dyehouse foreman/woman - textiles  
**92015** dyehouse supervisor - textile processing  
**95105** dyeing and finishing machine loader  
**22100** dyeing and finishing technician  
**22100** dyeing and finishing technologist  
**94130** dyeing machine tender - textile manufacturing  
**94130** dyeing range operator - textile manufacturing  
**92015** dyeing supervisor - textiles  
**22100** dyeing technician  
**94130** dyeing tub tender - textile manufacturing  
**94130** dyeing vat operator - textile manufacturing  
**94130** dyeing worker - textile manufacturing  
**65320** dyer - laundry and dry cleaning  
**94130** dyer - textile manufacturing  
**95105** dyer helper - textile processing  
**94130** dye-reel tender - textile manufacturing  
**84101** dynamic positioning operator - offshore drilling  
**72021** dynamiters foreman/woman - construction

**82020** dynamiters foreman/woman - quarrying  
**72021** dynamiting foreman/woman - construction

## E

**31101** ear specialist  
**42202** early childhood assistant  
**41210** early childhood education instructor - college level  
**41210** early childhood education teacher - college level  
**42202** early childhood education worker  
**42202** early childhood educator - junior kindergarten  
**42202** early childhood educator - kindergarten  
**42202** early childhood educator - preschool  
**42202** early childhood educator (ECE) assistant  
**42202** early childhood educator (ECE)  
**42202** early childhood educator assistant - junior kindergarten  
**42202** early childhood educator assistant - kindergarten  
**42202** early childhood program staff assistant  
**42202** early childhood program supervisor  
**41221** early childhood services teacher - elementary school  
**42202** early childhood supervisor  
**94219** earmuffs assembler  
**94112** earth mover tire builder  
**10030** earth station manager - telecommunications  
**72401** earthmoving equipment mechanic  
**73400** earth-moving equipment operator  
**75110** earthworks labourer - construction  
**41301** eating disorder therapist  
**72014** eavestrough contractor  
**72014** eavestrough installation contractor  
**73200** eavestrough installer  
**32122** echocardiographer  
**32122** echocardiography technician  
**32122** echocardiography technologist sonographer  
**32122** echocardiography technologist  
**32123** echoencephalographic technologist  
**32123** echoencephalography technician  
**32122** echography technician



<b>32122</b> echography technologist	<b>22230</b> eddy current technician
<b>21110</b> ecobiologist	<b>22230</b> eddy current tester
<b>53100</b> ecological interpreter	<b>94124</b> edge bander - woodworking
<b>20011</b> ecological research manager	<b>94124</b> edge bander operator - woodworking
<b>22110</b> ecological technician	<b>94129</b> edge gluer - wood processing
<b>22110</b> ecological technologist	<b>94120</b> edger - sawmill
<b>21110</b> ecologist	<b>94120</b> edgerman/woman - sawmill
<b>20011</b> ecology manager	<b>94120</b> edgerman/woman
<b>10022</b> e-commerce (electronic commerce) manager	<b>95106</b> edible oil processing labourer
<b>41401</b> econometrician	<b>94140</b> edible oil pumper - food and beverage processing
<b>41401</b> economic advisor	<b>94140</b> edible oil refiner - food and beverage processing
<b>40011</b> economic analysis chief - government services	<b>95106</b> edible oil refiner helper
<b>41401</b> economic analyst	<b>14301</b> editing clerk
<b>40011</b> economic and political affairs assistant	<b>51110</b> editor
<b>40011</b> economic and trade analysis director - government services	<b>14301</b> editorial assistant
<b>21110</b> economic botanist	<b>52120</b> editorial cartoonist
<b>41401</b> economic consultant	<b>50011</b> editorial chief
<b>41402</b> economic development consultant	<b>14301</b> editorial clerk
<b>40011</b> economic development coordinator	<b>51110</b> editorial consultant
<b>40011</b> economic development director - government services	<b>51110</b> editorial page editor
<b>41402</b> economic development officer - Aboriginal communities	<b>50011</b> editor-in-chief
<b>41402</b> economic development officer	<b>41405</b> education consultant
<b>41402</b> economic forecaster	<b>64100</b> education courses salesperson
<b>41409</b> economic geographer	<b>40012</b> education curriculum development director - public administration
<b>41409</b> economic historian	<b>40012</b> education curriculum development director
<b>41401</b> economic policy adviser	<b>40012</b> education director
<b>40011</b> economic policy analysis assistant director - government services	<b>41320</b> education officer
<b>40011</b> economic policy analysis chief - government services	<b>41405</b> education outreach program coordinator
<b>40011</b> economic policy analysis director - government services	<b>41405</b> education policy advisor
<b>41401</b> economic policy analyst	<b>40012</b> education policy analysis and research director
<b>41401</b> economic policy researcher	<b>41405</b> education policy analyst
<b>41401</b> economic research group supervisor	<b>40012</b> education policy and research director - public administration
<b>41402</b> economic research officer	<b>41405</b> education policy consultant
<b>41200</b> economics professor - university	<b>40012</b> education policy development manager
<b>41210</b> economics teacher - college level	<b>40012</b> education policy manager
<b>41220</b> economics teacher - secondary school	<b>41405</b> education policy officer
<b>41401</b> economist	<b>41405</b> education policy supervisor
	<b>41200</b> education professor - university

<b>40012</b> education program administration manager	<b>85100</b> egg grading station labourer
<b>41405</b> education program coordinator	<b>82030</b> egg grading station manager
<b>41405</b> education program officer	<b>85100</b> egg packer - farm
<b>41405</b> education program planner	<b>85100</b> egg picker - poultry
<b>40020</b> education programs administrator	<b>85100</b> egg processing machine tender
<b>40012</b> education programs assistant director - public administration	<b>80020</b> egg producer
<b>40012</b> education programs assistant director	<b>51114</b> elbow interpreter
<b>40012</b> education programs regional director	<b>10022</b> election campaign manager
<b>40012</b> education programs support director - public administration	<b>41407</b> election commission officer
<b>42100</b> education relations officer - policing	<b>14110</b> election enumerator
<b>40012</b> education research and information director	<b>40019</b> Elections Canada director
<b>41405</b> education research officer	<b>40019</b> elections expenses director
<b>41405</b> education researcher	<b>40019</b> elections finances director
<b>41405</b> education science specialist	<b>41407</b> elections officer
<b>21210</b> education statistician	<b>40019</b> elections planning director
<b>41405</b> educational and vocational information specialist	<b>94202</b> electric air conditioning assembler
<b>43100</b> educational assistant	<b>73200</b> electric appliance installer
<b>31112</b> educational audiologist	<b>94202</b> electric appliance manufacturing inspector
<b>41320</b> educational counsellor	<b>72421</b> electric appliance service technician
<b>41320</b> educational guidance director	<b>94105</b> electric arc cutter - metal products manufacturing
<b>00013</b> educational institution chief financial officer (CFO)	<b>93100</b> electric arc furnace operator - primary metal processing
<b>51114</b> educational interpreter	<b>72106</b> electric arc welder
<b>40012</b> educational programs support assistant director	<b>94202</b> electric baseboard heater assembler
<b>31200</b> educational psychologist	<b>94205</b> electric bulb maker
<b>43100</b> educational resources assistant	<b>92021</b> electric cable manufacturing foreman/woman
<b>41409</b> educational sociologist	<b>75119</b> electric cable network installer helper
<b>31112</b> educational speech-language pathologist	<b>75119</b> electric cable splicer helper
<b>42202</b> educator assistant - junior kindergarten	<b>94202</b> electric clock assembler
<b>00013</b> educators association chairperson	<b>94202</b> electric clock components inspector
<b>22110</b> eel culture technician	<b>94202</b> electric clock parts inspector
<b>80022</b> eel farmer	<b>94202</b> electric clothes dryer assembler
<b>21321</b> efficiency engineer	<b>94202</b> electric coffee maker assembler
<b>95106</b> egg breaker - food and beverage processing	<b>94202</b> electric contact tester
<b>85100</b> egg candler	<b>72500</b> electric crane operator
<b>85100</b> egg collector	<b>75101</b> electric dolly operator
<b>85100</b> egg gatherer	<b>72500</b> electric dragline operator
<b>85100</b> egg grader	<b>72421</b> electric dryer repairer
<b>85100</b> egg grading machine tender	<b>94202</b> electric fan assembler
	<b>72421</b> electric fireplace servicer

<b>94204</b> electric furnace assembler	<b>72020</b> electric motor repair foreman/woman
<b>94101</b> electric furnace operator - foundry	<b>72422</b> electric motor repairer and tester
<b>93100</b> electric furnace operator - primary metal and mineral products processing	<b>75119</b> electric motor repairer helper
<b>94205</b> electric fuse maker	<b>72422</b> electric motor repairer
<b>72500</b> electric gantry crane operator	<b>72422</b> electric motor repairer-tester
<b>90011</b> electric generating plant manager	<b>72422</b> electric motor repairman/woman
<b>90011</b> electric generating station manager	<b>72020</b> electric motor shop foreman/woman
<b>74203</b> electric golf cart servicer (except mechanic)	<b>72422</b> electric motor systems technician
<b>94202</b> electric heater assembler	<b>95109</b> electric motor tester helper
<b>94202</b> electric heating system assembly line worker	<b>92021</b> electric motor testing foreman/woman
<b>73200</b> electric household appliance installer - residential and commercial equipment	<b>95109</b> electric motor testing helper
<b>73200</b> electric household appliance installer	<b>72422</b> electric motor winder
<b>72421</b> electric household appliance servicer	<b>72422</b> electric motor winder-repairer
<b>94202</b> electric lamp assembler	<b>75101</b> electric mule operator
<b>94202</b> electric lamp inspector and tester	<b>75119</b> electric power and wire communications labourer
<b>94202</b> electric lamp maker	<b>00015</b> electric power company president
<b>94202</b> electric lamp parts inspector	<b>90011</b> electric power plant manager
<b>94202</b> electric lamp wirer	<b>90011</b> electric power services manager
<b>94202</b> electric lantern maker	<b>94202</b> electric range assembler
<b>94202</b> electric lawn mower assembler	<b>94202</b> electric refrigerator assembler
<b>94202</b> electric lawn mower inspector and tester	<b>72421</b> electric refrigerator servicer
<b>72421</b> electric lawn mower repairer	<b>94202</b> electric sign assembler
<b>94202</b> electric lighting fixture wirer	<b>73200</b> electric sign erector
<b>83101</b> electric line operator - oil field services	<b>73209</b> electric sign repairer
<b>83101</b> electric line operator	<b>72201</b> electric signal repairer - railway
<b>72203</b> electric meter installer - electric power systems	<b>94202</b> electric snowblower inspector and tester
<b>72011</b> electric meter installers foreman/woman	<b>72106</b> electric spot welder operator
<b>72011</b> electric meter installers supervisor	<b>72106</b> electric spot welder
<b>72422</b> electric meter repairer apprentice	<b>72106</b> electric spot-welding machine operator
<b>72422</b> electric meter repairer	<b>94202</b> electric stove assembler
<b>72203</b> electric meter setter - electric power systems	<b>72421</b> electric stove repairman/woman
<b>72422</b> electric meter technician	<b>72421</b> electric stove serviceman/woman
<b>94203</b> electric meter tester - industrial electrical equipment	<b>94202</b> electric toaster inspector
<b>72500</b> electric monorail crane operator	<b>72421</b> electric tool repairer
<b>92021</b> electric motor and generator assembly foreman/woman	<b>73209</b> electric toy repairer
<b>94203</b> electric motor assembler	<b>75101</b> electric truck operator
<b>94203</b> electric motor inspector	<b>74203</b> electric truck servicer (except mechanic)
<b>72422</b> electric motor mechanic	<b>72010</b> electric welding pipe mill headwelder
	<b>94202</b> electrical accessories assembler
	<b>22313</b> electrical accessories shop inspector - avionics

<b>22310</b> electrical and electronics design technologist	<b>94203</b> electrical control panel final assembler
<b>22310</b> electrical and electronics quality control technologist	<b>94203</b> electrical control panel inspector
<b>21310</b> electrical and electronics research engineer	<b>94203</b> electrical control panel subassembler
<b>22313</b> electrical and electronics technician - avionics	<b>94202</b> electrical control tester
<b>22303</b> electrical and mechanical quantity surveyor	<b>94202</b> electrical controls calibrator
<b>72422</b> electrical apparatus mechanic	<b>21310</b> electrical controls engineer
<b>94202</b> electrical appliance assembler	<b>94202</b> electrical controls inspector
<b>92021</b> electrical appliance assemblers supervisor	<b>21310</b> electrical design engineer
<b>92021</b> electrical appliance assembly foreman/woman	<b>94106</b> electrical discharge machine (EDM) operator
<b>94202</b> electrical appliance assembly inspector	<b>94106</b> electrical discharge machine (EDM) set-up operator
<b>94202</b> electrical appliance assembly line repairer	<b>94106</b> electrical discharge machine (EDM) tender
<b>92021</b> electrical appliance assembly supervisor	<b>21310</b> electrical distribution engineer
<b>94202</b> electrical appliance assembly tester	<b>21310</b> electrical distribution planning engineer
<b>94202</b> electrical appliance bench assembler	<b>72200</b> electrical distribution technician - Canadian Armed Forces
<b>94202</b> electrical appliance bench worker	<b>22212</b> electrical drafting supervisor
<b>94202</b> electrical appliance inspector	<b>22212</b> electrical drafts person
<b>73200</b> electrical appliance installer	<b>94205</b> electrical dry battery inspector
<b>95109</b> electrical appliance manufacturing labourer	<b>92021</b> electrical dry cell assembly foreman/woman
<b>92021</b> electrical appliance manufacturing supervisor	<b>94205</b> electrical dry cell inspector - electrical equipment manufacturing
<b>94202</b> electrical appliance operator-assembler	<b>94205</b> electrical dry cell inspector
<b>94202</b> electrical appliance production assembler	<b>94205</b> electrical dry cell-making inspector
<b>72020</b> electrical appliance repair shop supervisor	<b>22233</b> electrical energy installation inspector
<b>72421</b> electrical appliance repairer	<b>21310</b> electrical energy transmission engineer
<b>72421</b> electrical appliance serviceman/woman	<b>21310</b> electrical energy transmission planning engineer
<b>72421</b> electrical appliance servicer	<b>21310</b> electrical engineer
<b>72421</b> electrical appliance technician	<b>22310</b> electrical engineering design technologist
<b>72011</b> electrical appliances installation foreman/woman	<b>21310</b> electrical engineering lead
<b>72200</b> electrical apprentice	<b>20010</b> electrical engineering manager
<b>72203</b> electrical cable splicer - electric power systems	<b>41200</b> electrical engineering professor - university
<b>94205</b> electrical connection crimper	<b>21310</b> electrical engineering project manager
<b>72011</b> electrical construction contractor	<b>22310</b> electrical engineering technician
<b>72011</b> electrical construction foreman/woman	<b>22310</b> electrical engineering technologist
<b>94202</b> electrical continuity tester - electrical appliance manufacturing	<b>94202</b> electrical equipment assembler
<b>94203</b> electrical continuity tester - industrial electrical equipment	<b>94202</b> electrical equipment assembly line setter
<b>72011</b> electrical contractor	<b>94205</b> electrical equipment base filler
<b>94202</b> electrical control assembly inspector	<b>94213</b> electrical equipment enameller
<b>94203</b> electrical control equipment fitter-assembler	<b>21310</b> electrical equipment engineer
<b>94203</b> electrical control panel assembler	<b>94205</b> electrical equipment impregnator

<b>72011</b> electrical equipment installation and repair foreman/woman	<b>72422</b> electrical mechanic - electrical utilities
<b>92021</b> electrical equipment manufacturing foreman/woman	<b>72422</b> electrical mechanic (except avionics)
<b>94202</b> electrical equipment manufacturing inspector	<b>72422</b> electrical mechanic apprentice
<b>94205</b> electrical equipment manufacturing machine operator	<b>75119</b> electrical mechanic helper
<b>92021</b> electrical equipment manufacturing supervisor	<b>72422</b> electrical mechanic trainee
<b>94202</b> electrical equipment manufacturing tester	<b>72422</b> electrical mechanic
<b>94202</b> electrical equipment manufacturing utility operator	<b>72020</b> electrical mechanics foreman/woman
<b>72422</b> electrical equipment mechanic trainee	<b>72422</b> electrical mechanics group leader
<b>73400</b> electrical equipment operator - shovel	<b>72422</b> electrical mechanics lead hand
<b>94202</b> electrical equipment production assembler	<b>94202</b> electrical mercury switch assembler
<b>62100</b> electrical equipment sales representative	<b>94202</b> electrical mercury switch assembly tester
<b>22303</b> electrical estimator - construction	<b>94202</b> electrical meter assembler
<b>94203</b> electrical fitter - industrial electrical equipment	<b>92021</b> electrical motor assembly foreman/woman
<b>94203</b> electrical fitter	<b>72422</b> electrical motor coil winder-repairer
<b>72200</b> electrical fixtures installer	<b>21310</b> electrical network engineer
<b>72011</b> electrical foreman/woman	<b>94203</b> electrical panel assembler and wirer - industrial electrical equipment
<b>74205</b> electrical forester	<b>94205</b> electrical plug maker
<b>94202</b> electrical household appliance assembler	<b>72011</b> electrical power inspector and tester supervisor
<b>94202</b> electrical household appliance inspector	<b>21310</b> electrical power scheduling engineer
<b>62100</b> electrical industrial equipment sales representative	<b>22310</b> electrical power supply system technician
<b>22233</b> electrical inspector - construction	<b>22310</b> electrical power system planning technician
<b>94202</b> electrical inspector - manufacturing	<b>22310</b> electrical power system technician
<b>72011</b> electrical installation contractor	<b>21310</b> electrical power systems design engineer
<b>22233</b> electrical installation inspector	<b>92100</b> electrical power systems operator
<b>72011</b> electrical installation supervisor	<b>21310</b> electrical power systems service engineer
<b>72422</b> electrical instrument mechanic	<b>90011</b> electrical power transmission operations director
<b>72422</b> electrical instrument repairer	<b>72202</b> electrical powerhouse electrician - electrical power system
<b>94202</b> electrical insulator assembler - small transformer manufacturing	<b>72202</b> electrical powerhouse electrician
<b>95109</b> electrical insulator tester	<b>21310</b> electrical process control engineer
<b>94205</b> electrical lamp-making machine set-up man/woman	<b>95109</b> electrical products labourer
<b>94205</b> electrical lead acid storage battery filler	<b>95109</b> electrical products manufacturing labourer
<b>94205</b> electrical light bulb inspector	<b>21310</b> electrical project engineer
<b>94202</b> electrical lighting fixture tester	<b>94200</b> electrical quality assurance inspector - motor vehicle manufacturing
<b>72011</b> electrical load tester supervisor	<b>94202</b> electrical relay tester and adjuster
<b>72100</b> electrical machinist	<b>72201</b> electrical repairer - crane maintenance
<b>22212</b> electrical marine draftsman	<b>21310</b> electrical research engineer
	<b>72422</b> electrical rewind mechanic
	<b>94112</b> electrical rubber goods manufacturing tester

<b>22233</b> electrical safety inspector	<b>72011</b> electrical wiring installation contractor
<b>92100</b> electrical station operator - electrical power systems	<b>72200</b> electrical wiring installer - construction
<b>92100</b> electrical station operator	<b>94205</b> electrical-equipment-impregnating machine operator
<b>94205</b> electrical storage battery charger operator	<b>72202</b> electrician - electricity production
<b>94205</b> electrical storage battery inspector	<b>72201</b> electrician - rail transport
<b>94205</b> electrical storage battery plate washer and dryer	<b>72200</b> electrician - troubleshooter
<b>94205</b> electrical storage battery repairer - electrical equipment manufacturing	<b>72011</b> electrician foreman/woman
<b>94205</b> electrical storage battery tester	<b>72200</b> electrician
<b>72202</b> electrical substation electrician - electrical power system	<b>72011</b> electricians supervisor
<b>70012</b> electrical superintendent	<b>22231</b> electricity and gas meter inspector
<b>72011</b> electrical supervisor - drilling rig	<b>21100</b> electricity and magnetism physicist
<b>94202</b> electrical switch assembler	<b>22310</b> electricity distribution network technologist
<b>94202</b> electrical switch maker	<b>62100</b> electricity sales representative
<b>94203</b> electrical switchboard and panel inspector	<b>32123</b> electrocardiographic (ECG) technician
<b>92021</b> electrical switchgear assembly foreman/woman	<b>32123</b> electrocardiographic (ECG) technologist
<b>94203</b> electrical switchgear inspector	<b>32123</b> electrocardiography technician
<b>94203</b> electrical switchgear panel inspector	<b>32123</b> electrocardiography technologist
<b>94203</b> electrical switchgear panel wirer	<b>32123</b> electrocardiology technician
<b>94203</b> electrical switchgear tester	<b>32123</b> electrocardiology technologist
<b>94203</b> electrical switchgear wireperson	<b>21320</b> electrochemical engineer
<b>72011</b> electrical systems contractor	<b>94106</b> electrochemical machining tool operator
<b>21310</b> electrical systems planning engineer	<b>21101</b> electrochemist
<b>21310</b> electrical systems protection engineer	<b>95102</b> electrode cleaner
<b>22310</b> electrical technician	<b>94205</b> electrode installer
<b>94200</b> electrical test technician - motor vehicle manufacturing	<b>94110</b> electrode oven operator
<b>94200</b> electrical testing technician - motor vehicle manufacturing	<b>32123</b> electroencephalograph (EEG) technician
<b>92021</b> electrical transformer assembly foreman/woman	<b>32123</b> electroencephalograph (EEG) technologist
<b>72422</b> electrical transformer repairer	<b>32123</b> electroencephalograph technologist
<b>94202</b> electrical wire group assembler - electrical equipment manufacturing	<b>32123</b> electroencephalographic instructor
<b>94201</b> electrical wire group assembler - electronic equipment manufacturing	<b>94213</b> electroformer
<b>94202</b> electrical wire insulation tester	<b>94213</b> electrogalvanizer
<b>94200</b> electrical wirer - automotive assembly	<b>94213</b> electrogalvanizing machine operator
<b>72200</b> electrical wirer - construction	<b>94213</b> electroless plater
<b>22233</b> electrical wiring inspector - construction	<b>63211</b> electrologist
<b>72011</b> electrical wiring inspector supervisor	<b>41210</b> electrolysis instructor - vocational institute
	<b>63211</b> electrolysis operator
	<b>63211</b> electrolysis technician
	<b>94202</b> electrolysis tester - electrical equipment manufacturing
	<b>94205</b> electrolytic anode changer

<b>95102</b> electrolytic cell cleaner	<b>21234</b> electronic business (e-business) Web site developer
<b>94103</b> electrolytic cell maker - concrete products	<b>94201</b> electronic business machine assembler
<b>92010</b> electrolytic cell operations foreman/woman - primary metal and mineral products processing	<b>94201</b> electronic cash register assembler
<b>94203</b> electrolytic cell repairer - industrial electrical equipment	<b>22311</b> electronic cash registers servicer
<b>94104</b> electrolytic cell tester - primary metal processing	<b>10022</b> electronic commerce (e-commerce) manager
<b>94100</b> electrolytic cleaner operator - primary metal processing	<b>60010</b> electronic commerce (e-commerce) sales manager
<b>94100</b> electrolytic descaler - primary metal processing	<b>21232</b> electronic commerce (e-commerce) software developer
<b>94106</b> electrolytic etcher - metal machining	<b>21234</b> electronic commerce (e-commerce) Web site developer
<b>95100</b> electrolytic refiner helper - primary metal and mineral products processing	<b>72205</b> electronic communications technician
<b>93100</b> electrolytic refinery process operator	<b>94201</b> electronic component assembler
<b>94100</b> electrolytic tank maintainer - primary metal and mineral products processing	<b>94201</b> electronic component cleaner
<b>94213</b> electrolytic tank tender	<b>94201</b> electronic component insertion colour coder
<b>22212</b> electromechanical draftsman	<b>94201</b> electronic component tester - electronic equipment manufacturing
<b>72020</b> electromechanical foreman/woman	<b>22310</b> electronic components inspection technician
<b>22310</b> electromechanical technician	<b>10012</b> electronic components purchasing chief
<b>72020</b> electromechanical technicians foreman/woman	<b>10012</b> electronic components purchasing director
<b>41210</b> electromechanical technology teacher - college level	<b>10012</b> electronic components purchasing manager
<b>22310</b> electromedical equipment technician	<b>94201</b> electronic components tester
<b>21322</b> electrometallurgical engineer	<b>94201</b> electronic control assembler
<b>32123</b> electromyography (EMG) chief technologist	<b>94201</b> electronic control operator - electronic equipment manufacturing
<b>32123</b> electromyography (EMG) technician	<b>21223</b> electronic data processing (EDP) analyst
<b>32123</b> electromyography (EMG) technologist	<b>21230</b> electronic data processing (EDP) applications programmer
<b>32120</b> electron microscopy technologist - medical laboratory	<b>21222</b> electronic data processing (EDP) auditor
<b>94201</b> electron tube assembler	<b>20012</b> electronic data processing (EDP) manager
<b>94201</b> electron tube inspector and tester	<b>21223</b> electronic data processing (EDP) specialist
<b>94201</b> electron tube stem assembly inspector	<b>21223</b> electronic data processing (EDP) systems analyst
<b>32123</b> electroneurodiagnostic (END) technologist	<b>14111</b> electronic data-processing (EDP) equipment operator
<b>32123</b> electroneurophysiology (ENP) technologist	<b>62100</b> electronic data-processing (EDP) hardware and services sales representative
<b>22313</b> electronic accessories repair and overhaul mechanic - avionics	<b>12010</b> electronic data-processing (EDP) unit - supervisor
<b>92021</b> electronic assembly foreman/woman	<b>22212</b> electronic draftsman
<b>92021</b> electronic assembly supervisor	<b>94151</b> electronic engraver
<b>10022</b> electronic business (e-business) manager	<b>94201</b> electronic equipment assembler - electronic equipment manufacturing
<b>21232</b> electronic business (e-business) software developer	

<b>92021</b> electronic equipment fabricating and assembling foreman/woman	<b>22311</b> electronic service technician supervisor
<b>92021</b> electronic equipment fabricating and assembling supervisor	<b>22311</b> electronic service technician
<b>94201</b> electronic equipment inspector	<b>14112</b> electronic sign maker operator - typesetting
<b>22311</b> electronic equipment installation and repair supervisor	<b>94150</b> electronic sign maker operator
<b>22310</b> electronic equipment maintenance technician	<b>22310</b> electronic systems tester
<b>22311</b> electronic equipment repairer	<b>41210</b> electronic technology teacher - college level
<b>62100</b> electronic equipment salesperson - wholesale	<b>94201</b> electronic unit inspector - electronic equipment manufacturing
<b>94201</b> electronic equipment subassembler	<b>52113</b> electronic video graphics operator
<b>52110</b> electronic field production (EFP) camera operator	<b>42102</b> electronic-optronic technician
<b>14112</b> electronic formatter	<b>72205</b> electronics apprentice - community antenna television
<b>22311</b> electronic game technician - household and business equipment	<b>94201</b> electronics assembler
<b>22311</b> electronic games repairer	<b>22310</b> electronics design technologist
<b>22311</b> electronic games technician	<b>21310</b> electronics engineer
<b>94124</b> electronic gluing machine tender - woodworking	<b>22310</b> electronics engineering design technologist
<b>92021</b> electronic inspection foreman/woman - electronics manufacturing	<b>22310</b> electronics engineering technician
<b>94201</b> electronic instrument maker	<b>22310</b> electronics engineering technologist
<b>94201</b> electronic keyboard assembler	<b>94201</b> electronics equipment assembler
<b>14112</b> electronic letterer operator	<b>94201</b> electronics inspector - electronic equipment manufacturing
<b>22311</b> electronic music equipment installer and repairer	<b>92021</b> electronics manufacturing foreman/woman
<b>52110</b> electronic news gathering (ENG) camera operator	<b>94201</b> electronics manufacturing shop worker
<b>52113</b> electronic news gathering (ENG) editor	<b>92021</b> electronics manufacturing supervisor
<b>94201</b> electronic office machines assembler	<b>22310</b> electronics manufacturing technician
<b>94201</b> electronic organ assembler	<b>22310</b> electronics manufacturing technologist
<b>22311</b> electronic organ repairer	<b>22313</b> electronics mechanic - avionics
<b>94201</b> electronic peripheral equipment assembler	<b>21100</b> electronics physicist
<b>14112</b> electronic photocomposer operator	<b>22310</b> electronics production support technician
<b>14112</b> electronic phototypesetting machine operator	<b>22310</b> electronics quality control troubleshooter
<b>94151</b> electronic prepress technician	<b>21310</b> electronics research engineer
<b>94150</b> electronic printing machine operator	<b>21100</b> electronics research scientist
<b>22310</b> electronic production repairer	<b>64100</b> electronics salesperson - retail
<b>22311</b> electronic products field service technician	<b>22311</b> electronics technician - consumer products
<b>94201</b> electronic products moulder - electronic equipment manufacturing	<b>22311</b> electronics technician - household and business equipment
<b>60020</b> electronic products store manager	<b>22310</b> electronics technician
<b>22310</b> electronic prototype technologist	<b>22310</b> electronics technologist
<b>22311</b> electronic service technician apprentice	<b>21310</b> electronics test engineer
	<b>94201</b> electronics tester
	<b>94201</b> electronics-manufacturing process inspector
	<b>94213</b> electroplasty equipment operator



<b>94213</b> electroplater operator	<b>72406</b> elevator mechanic (non-construction)
<b>94213</b> electroplater	<b>72406</b> elevator mechanic apprentice
<b>92023</b> electroplating foreman/woman	<b>72020</b> elevator mechanic foreman/woman
<b>92023</b> electroplating supervisor	<b>75119</b> elevator mechanic helper
<b>94151</b> electroplating tank tender	<b>72406</b> elevator mechanic
<b>94151</b> electrostatic camera operator	<b>65329</b> elevator operator
<b>94213</b> electrostatic machine painter	<b>72406</b> elevator repair mechanic
<b>94213</b> electrostatic painter	<b>72406</b> elevator repairer
<b>94213</b> electrostatic painting line tender	<b>72020</b> elevators maintenance service supervisor
<b>94213</b> electrostatic painting machine operator	<b>42201</b> eligibility coordinator - social assistance
<b>94213</b> electrostatic painting machine set-up operator	<b>42201</b> eligibility coordinator - welfare
<b>94100</b> electrostatic separator tender - primary metal processing	<b>83101</b> e-line operator - oil field services
<b>22313</b> electrotechnician - avionics	<b>41210</b> elocution teacher - non-medical
<b>94151</b> electrotypewriter - printing	<b>94213</b> Elpo tank attendant
<b>94151</b> electrotypewriter and platemaker	<b>62201</b> embalmer apprentice
<b>95109</b> elemental worker - packaging	<b>62201</b> embalmer
<b>40012</b> elementary education director	<b>41210</b> embalming teacher
<b>21100</b> elementary particle physicist	<b>21231</b> embedded software designer
<b>21100</b> elementary particle theorist	<b>21231</b> embedded software engineer
<b>40012</b> elementary school education director	<b>95109</b> emblem-fusing machine operator - garment manufacturing
<b>52100</b> elementary school librarian	<b>94124</b> embosser - woodworking
<b>40021</b> elementary school principal	<b>94121</b> embossing calender operator - pulp and paper
<b>41221</b> elementary school reading clinician	<b>94130</b> embossing calender tender - textile manufacturing
<b>41221</b> elementary school substitute teacher	<b>94219</b> embossing machine operator - footwear
<b>41221</b> elementary school supply teacher	<b>94124</b> embossing machine operator - woodworking
<b>41221</b> elementary school teacher	<b>94107</b> embossing machine tender - explosives manufacturing
<b>73400</b> elevating grader operator	<b>94124</b> embossing machine tender - woodworking
<b>73400</b> elevating scraper operator	<b>94152</b> embossing press operator - printing
<b>72406</b> elevator adjuster	<b>94152</b> embossing press tender - printing
<b>72406</b> elevator builder	<b>94150</b> embossing printer
<b>72020</b> elevator construction foreman/woman	<b>94152</b> embossing/encoding machine tender - printing
<b>72406</b> elevator constructor and mechanic apprentice	<b>94150</b> embossing-imprinting machine operator
<b>75119</b> elevator constructor helper	<b>95109</b> embroidered fabric connecting thread cutter tender
<b>72406</b> elevator constructor	<b>53123</b> embroidery designer
<b>72406</b> elevator constructor-mechanic	<b>95109</b> embroidery frame moulder
<b>72020</b> elevator constructors foreman/woman	<b>95109</b> embroidery machine charger
<b>72406</b> elevator erector	<b>94131</b> embroidery machine operator
<b>22231</b> elevator inspector	<b>94131</b> embroidery machine tender
<b>72406</b> elevator installer	
<b>72406</b> elevator maintenance mechanic	

<b>53125</b> embroidery patternmaker	<b>72011</b> emergency team foreman/woman - telecommunications
<b>92015</b> embroidery supervisor - fabric products	<b>14404</b> emergency vehicle dispatcher
<b>21110</b> embryologist	<b>33109</b> emergency-entry attendant - hospital
<b>14101</b> emergency admitting clerk	<b>31100</b> emergentologist
<b>31103</b> emergency and intensive care veterinarian	<b>10011</b> employee benefits director
<b>31301</b> emergency care nurse	<b>10011</b> employee benefits manager
<b>72203</b> emergency line repairer - electric power systems	<b>41406</b> employee fitness consultant
<b>41400</b> emergency management analyst	<b>41406</b> employee fitness counsellor
<b>40019</b> emergency management coordinator - government services	<b>14201</b> employee insurance clerk
<b>40019</b> emergency measures manager - government services	<b>11200</b> employee relations officer
<b>32102</b> emergency medical assistant	<b>11200</b> employee services officer
<b>32102</b> emergency medical attendant (EMA)	<b>11200</b> employer-employee relations coordinator
<b>33102</b> emergency medical care assistant	<b>10011</b> employer-employee relations manager
<b>33102</b> emergency medical care attendant (non-paramedical)	<b>11200</b> employment adviser - human resources
<b>14404</b> emergency medical dispatcher	<b>00012</b> employment agency general manager
<b>33102</b> emergency medical responder (non-paramedical)	<b>10029</b> employment agency manager
<b>32102</b> emergency medical technician - paramedic/advanced care paramedic (EMT - P/ACP)	<b>40010</b> employment and insurance programs director - government services
<b>32102</b> emergency medical technician - primary care paramedic (EMT - PCP)	<b>41321</b> employment assistance officer
<b>32102</b> emergency medical technician (EMT)	<b>40010</b> employment centre director
<b>32102</b> emergency medical technologist - paramedic (EMT-P)	<b>14102</b> employment clerk
<b>31100</b> emergency medicine physician	<b>41321</b> employment consultant
<b>31100</b> emergency medicine specialist	<b>41321</b> employment counsellor - government services
<b>31301</b> emergency nurse	<b>11200</b> employment equity adviser - human resources
<b>32102</b> emergency paramedic	<b>41403</b> employment equity adviser - social policy
<b>31100</b> emergency physician	<b>10011</b> employment equity chief
<b>41400</b> emergency preparedness planner	<b>41403</b> employment equity consultant
<b>40019</b> emergency response coordinator - government services	<b>11200</b> employment equity coordinator
<b>40019</b> emergency response services director	<b>10011</b> employment equity director - human resources
<b>33102</b> emergency room aide	<b>10011</b> employment equity manager - human resources
<b>33109</b> emergency room attendant	<b>11200</b> employment equity officer
<b>40019</b> emergency safety manager - government services	<b>41403</b> employment equity policy analyst
<b>72203</b> emergency servicer - electric power systems	<b>41403</b> employment equity policy consultant
<b>14404</b> emergency services dispatcher	<b>40010</b> employment equity programs director - government services
	<b>41321</b> employment group counsellor
	<b>41403</b> employment initiatives coordinator
	<b>12104</b> employment insurance agent
	<b>00011</b> employment insurance appeals board chairperson

<b>12104</b> employment insurance benefit claims investigator	<b>94111</b> encapsulator - plastic manufacturing
<b>12104</b> employment insurance benefits control officer	<b>94124</b> end bore operator - woodworking
<b>00011</b> employment insurance commissioner	<b>94124</b> end trimming and boring machine operator - woodworking
<b>12104</b> employment insurance officer	<b>94124</b> end-boring machine operator - woodworking
<b>41403</b> employment insurance policy analyst	<b>31100</b> endocrinologist
<b>40010</b> employment insurance regional manager - government services	<b>31110</b> endodontist
<b>41403</b> employment insurance services adviser	<b>22233</b> energy advisor
<b>12101</b> employment interviewer	<b>10029</b> energy asset joint venture manager
<b>10011</b> employment manager	<b>12102</b> energy asset joint venture representative
<b>10029</b> employment office manager	<b>12102</b> energy asset surface land analyst
<b>41321</b> employment outreach counsellor	<b>21301</b> energy conservation engineer
<b>41321</b> employment outreach program coordinator	<b>41401</b> energy economist
<b>41321</b> employment outreach program counsellor	<b>92100</b> energy from waste plant operator
<b>11200</b> employment practices officer	<b>40011</b> energy market analysis director - government services
<b>40010</b> employment programs director - government services	<b>00015</b> energy operations vice-president
<b>41321</b> employment services assessment officer	<b>41400</b> energy policy analyst
<b>41321</b> employment services group counsellor	<b>40011</b> energy policy director - government services
<b>41321</b> employment services officer	<b>41400</b> energy program officer
<b>41403</b> employment standards specialist	<b>92100</b> energy recovery incinerator plant operator
<b>12101</b> employment supervisor	<b>21120</b> enforcement officer - environmental health
<b>94219</b> enamel applier - jewellery manufacturing	<b>22112</b> enforcement officer - forestry
<b>94213</b> enamel baker - manufacturing	<b>92023</b> engine accessories assembly foreman/woman (except aircraft)
<b>94102</b> enamel burner - glass products manufacturing	<b>94204</b> engine accessories inspector
<b>94219</b> enamel burner - jewellery manufacturing	<b>72404</b> engine accessories overhaul mechanic
<b>94219</b> enamel decorator - jewellery manufacturing	<b>94213</b> engine and generator support painter
<b>94213</b> enamel dipper	<b>92023</b> engine assembly foreman/woman (except aircraft)
<b>94213</b> enamel painter	<b>92023</b> engine assembly supervisor (except aircraft)
<b>53124</b> enameller - arts and crafts	<b>94200</b> engine block tester - motor vehicle manufacturing
<b>94213</b> enameller - industrial painting and coating	<b>94200</b> engine dress assembler - motor vehicle manufacturing
<b>94213</b> enameller - ship and boat building	<b>92020</b> engine dress supervisor - motor vehicle manufacturing
<b>94213</b> enameller	<b>94204</b> engine dynamometer tester
<b>94102</b> enamelling furnace operator - glass products manufacturing	<b>75119</b> engine fitter helper
<b>94213</b> enamelling machine tender	<b>94202</b> engine generator set assembler
<b>53124</b> enamellist - arts and crafts	<b>92023</b> engine guard assembly foreman/woman (except aircraft)
<b>94102</b> enamelware paint baker - glass products manufacturing	<b>94200</b> engine inspector - motor vehicle manufacturing
<b>94140</b> encapsulator - cannabis processing	
<b>94205</b> encapsulator - electrical equipment manufacturing	

<b>94200</b> engine installer - motor vehicle manufacturing	<b>22310</b> engineering technologist - electrical power distribution
<b>94106</b> engine lathe set-up operator	<b>72600</b> engineering test pilot
<b>72410</b> engine mechanic - motor vehicle	<b>00012</b> engineering vice-president - financial, communications and other business services
<b>72020</b> engine overhaul foreman/woman	<b>00015</b> engineering vice-president - goods production, utilities, transportation and construction
<b>92023</b> engine rebuilding shop foreman/woman (except aircraft)	<b>00014</b> engineering vice-president - television broadcasting services
<b>74201</b> engine room crew member - ship	<b>00014</b> engineering vice-president - trade, broadcasting and other services
<b>74201</b> engine room greaser - marine	<b>75211</b> engineer's assistant
<b>74201</b> engine room greaser - water transport	<b>41220</b> English as a second language (ESL) high school teacher
<b>74201</b> engine room mechanical assistant - ships	<b>41210</b> English as a second language (ESL) teacher - college level
<b>94200</b> engine tester - automobile assembly	<b>41221</b> English as a second language elementary school teacher
<b>92023</b> engine testing foreman/woman (except aircraft)	<b>41221</b> English as a second language teacher - elementary school
<b>21399</b> engineer in agronomy	<b>41210</b> English as a second language teacher (except elementary, high school or university)
<b>72603</b> engineer officer - water transport	<b>51110</b> English editor
<b>21390</b> engineer weight analyst - aircraft design	<b>41220</b> English literature high school teacher
<b>41200</b> engineering and architecture professor - university	<b>41200</b> English professor - university
<b>20010</b> engineering and maintenance manager	<b>41210</b> English teacher - business college
<b>14301</b> engineering clerk	<b>41210</b> English teacher - college level
<b>20010</b> engineering delivery chief	<b>41221</b> English teacher - elementary school
<b>22231</b> engineering department inspector - local government	<b>41220</b> English teacher - secondary school
<b>22231</b> engineering department inspector	<b>94151</b> engraver, printing cylinders
<b>20010</b> engineering department manager	<b>94151</b> engraver-letterer
<b>22212</b> engineering design and drafting technologist	<b>72022</b> engravers foreman/woman (except photoengravers) - printing
<b>22212</b> engineering draftsperson	<b>94151</b> engraver-transferrer
<b>62100</b> engineering equipment salesperson	<b>72022</b> engraving foreman/woman (except photoengraving) - printing
<b>00012</b> engineering firm president	<b>94150</b> engraving machine operator - printing
<b>22231</b> engineering inspector	<b>94219</b> engraving machine operator
<b>41200</b> engineering instructor - university	<b>94153</b> enlarger operator - photographic processing
<b>20010</b> engineering manager - manufacturing	<b>90010</b> enologist
<b>20010</b> engineering manager	<b>64409</b> enquiries clerk
<b>21399</b> engineering physicist	<b>94140</b> enrobing machine operator - food and beverage processing
<b>41200</b> engineering professor - university	<b>72601</b> enroute air traffic controller
<b>22231</b> engineering regulatory officer	<b>94131</b> entering machine operator - textiles
<b>00012</b> engineering research general manager	
<b>21399</b> engineering scientist	
<b>20010</b> engineering superintendent	
<b>62100</b> engineering supplies salesperson	
<b>22213</b> engineering survey technician	
<b>22213</b> engineering survey technologist	

<b>21222</b> enterprise architect - information technology (IT)	<b>00013</b> environmental group executive director
<b>21223</b> enterprise data architect	<b>21120</b> environmental health and safety advisor
<b>20012</b> enterprise resource planning (ERP) manager	<b>21120</b> environmental health and safety coordinator - public health and environmental safety
<b>21221</b> enterprise resource planning analyst	<b>22232</b> environmental health and safety coordinator - workplace
<b>53121</b> entertainer	<b>21120</b> environmental health inspector
<b>11202</b> entertainment agent	<b>21120</b> environmental health inspectors supervisor
<b>51113</b> entertainment columnist	<b>21120</b> environmental health officer
<b>53111</b> entertainment stage rigger	<b>21120</b> environmental health officers supervisor
<b>50012</b> entertainment, sports and leisure director	<b>40010</b> environmental health services director - government services
<b>50012</b> entertainment, sports and recreation director	<b>41400</b> environmental impact analyst
<b>22110</b> entomological technician	<b>41400</b> environmental issues lobbyist
<b>22110</b> entomological technologist	<b>41400</b> environmental lobbyist
<b>21110</b> entomologist	<b>31100</b> environmental medicine specialist
<b>62200</b> entremetier	<b>21120</b> environmental officer
<b>14110</b> enumerator	<b>21202</b> environmental planner
<b>94122</b> envelope flap-button machine tender - paper converting	<b>41400</b> environmental program coordinator
<b>94122</b> envelope machine operator	<b>41400</b> environmental program development supervisor
<b>94122</b> envelope machine tender - paper converting	<b>41400</b> environmental program manager
<b>94122</b> envelope maker operator	<b>41400</b> environmental project manager
<b>94122</b> envelope-flap-cutting machine setter	<b>21120</b> environmental safety advisor
<b>94122</b> envelope-flap-gumming machine tender - paper converting	<b>21120</b> environmental safety consultant
<b>94122</b> envelope-making machine operator	<b>21120</b> environmental safety officer
<b>94122</b> envelope-making machine setter - paper converting	<b>21120</b> environmental safety specialist
<b>74100</b> envelope-sealing and envelope-imprinting machine tender	<b>20011</b> environmental science manager
<b>41400</b> environmental advisor (except engineer)	<b>65310</b> environmental service worker (ESW) - hospital
<b>21110</b> environmental and occupational toxicologist	<b>33102</b> environmental support person - medical
<b>33102</b> environmental assistant - medical	<b>92101</b> environmental systems operator - water treatment
<b>21110</b> environmental biologist	<b>22300</b> environmental technician
<b>94202</b> environmental chamber fitter-assembler	<b>21110</b> environmental toxicologist
<b>21320</b> environmental chemical engineer	<b>21101</b> enzyme chemist
<b>21101</b> environmental chemist	<b>94141</b> enzyme injector - food and beverage processing
<b>41400</b> environmental consultant (except engineer)	<b>21110</b> enzymologist
<b>41400</b> environmental education consultant	<b>21110</b> enzymology biologist
<b>21300</b> environmental engineer	<b>21210</b> epidemiologist (except physician and veterinarian)
<b>21210</b> environmental epidemiologist	<b>94205</b> epoxy coater - electrical equipment manufacturing
<b>21102</b> environmental geologist	
<b>40030</b> environmental group director	

<b>94205</b> epoxy coating machine operator - electrical equipment manufacturing	<b>11109</b> estate and trust administrator
<b>94205</b> epoxy coating machine operator	<b>11109</b> estate executor
<b>94205</b> epoxy encapsulator - electrical equipment manufacturing	<b>65329</b> estate manager
<b>94219</b> epoxy-pouring machine operator	<b>13111</b> estate secretary
<b>94124</b> equalizer operator - woodworking	<b>60040</b> esthetic services manager
<b>53121</b> equilibrist	<b>31101</b> esthetic surgeon
<b>31103</b> equine veterinarian	<b>63211</b> esthetician
<b>10030</b> equipment chief - telecommunications	<b>94151</b> etcher - printing
<b>95102</b> equipment cleaner - chemical processing	<b>53122</b> etcher - visual arts
<b>22301</b> equipment development technician	<b>95109</b> etcher helper - printing
<b>72205</b> equipment installer and repairer - telecommunications	<b>94151</b> etching corrector
<b>14403</b> equipment inventory clerk	<b>90011</b> ethanol operations manager
<b>10012</b> equipment manager	<b>41220</b> ethics teacher - secondary school
<b>74205</b> equipment operator - municipal public work	<b>00013</b> ethnic association president
<b>11103</b> equity trader	<b>63200</b> ethnic food cook
<b>21300</b> erecting engineer	<b>42100</b> ethnic relations officer - police
<b>72103</b> erection and repair boilermaker	<b>41409</b> ethnographer
<b>22211</b> ergonomic products designer	<b>51101</b> ethnographic objects conservator
<b>41400</b> ergonomics consultant	<b>41409</b> ethnologist
<b>41400</b> ergonomics specialist	<b>51101</b> ethnology curator
<b>41400</b> ergonomist	<b>51101</b> ethnology museum curator
<b>55109</b> erotic dancer	<b>21110</b> etiologist
<b>22231</b> escalator inspector	<b>64201</b> etiquette consultant
<b>72406</b> escalator installer	<b>41409</b> etymologist
<b>72406</b> escalator installer-repairer	<b>41302</b> evangelist
<b>72406</b> escalator mechanic (non construction)	<b>92011</b> evaporator foreman/woman - chemical processing
<b>72406</b> escalator repairer	<b>94110</b> evaporator operator - chemical processing
<b>72406</b> escalator repairman/woman	<b>94140</b> evaporator operator - food processing
<b>43201</b> escort - correctional services	<b>94121</b> evaporator tender - pulp and paper
<b>33102</b> escort - health services	<b>12103</b> event coordinator
<b>65229</b> escort - personal services	<b>11202</b> event marketing specialist
<b>64410</b> escort - security services	<b>12103</b> event planner
<b>73300</b> escort - transportation	<b>80021</b> evergreen grower
<b>60040</b> escort agency manager	<b>53110</b> evidence photographer - forensic
<b>51114</b> escort interpreter	<b>42100</b> evidence technician - police
<b>51111</b> essayist	<b>32123</b> evoked potential (EP) technologist
<b>64320</b> establishment guide	<b>13100</b> exam invigilator - post-secondary institution
<b>13111</b> estate administrative assistant	<b>13100</b> exam proctor - post-secondary institution
<b>11109</b> estate administrator	<b>13100</b> exam supervisor - post-secondary institution
	<b>72021</b> excavating and grading labour foreman/woman

<b>72021</b> excavating contractor	<b>00013</b> executive director - health, education, social and community services and membership organizations
<b>72401</b> excavating equipment mechanic	<b>00013</b> executive director - teacher's federation
<b>72021</b> excavating equipment operators foreman/woman	<b>00014</b> executive director - trade, broadcasting and other services
<b>73400</b> excavating machine operator	<b>00013</b> executive general manager - health, education, social and community services and membership organizations
<b>72021</b> excavating, grading and paving foreman/woman	<b>62021</b> executive housekeeper
<b>72021</b> excavating, grading and related work foreman/woman	<b>72600</b> executive pilot
<b>75110</b> excavation labourer	<b>50011</b> executive producer - video games
<b>75110</b> excavation worker	<b>50011</b> executive producer - visual effects
<b>72021</b> excavations superintendent	<b>12101</b> executive recruiter
<b>72021</b> excavator foreman/woman	<b>13110</b> executive secretary (except legal and medical)
<b>74203</b> excavator oiler	<b>62200</b> executive sous-chef
<b>73400</b> excavator operator	<b>00012</b> executive vice-president - financial, communications and other business services
<b>94129</b> excelsior machine tender	<b>00015</b> executive vice-president - goods production, utilities, transportation and construction
<b>42201</b> exceptional-child-care worker (except day care)	<b>00013</b> executive vice-president - health, education, social and community services and membership organizations
<b>72205</b> exchange installer and repairer - telecommunications	<b>00014</b> executive vice-president - metal and metal products wholesaler
<b>14201</b> exchange rate clerk - financial sector	<b>00015</b> executive vice-president - railway
<b>72205</b> exchange tester - telecommunications	<b>00012</b> executive vice-president - real estate agency
<b>12104</b> excise duty agent	<b>00014</b> executive vice-president - trade, broadcasting and other services
<b>12104</b> excise duty officer	<b>42204</b> exegete
<b>12104</b> excise duty supervisor	<b>64100</b> exercise equipment consultant - retail
<b>12104</b> excise examiner	<b>31204</b> exercise physiologist
<b>12104</b> excise tax collection supervisor	<b>31204</b> exercise therapist
<b>12104</b> excise tax collector	<b>94201</b> exhaust and sealing machine operator
<b>12104</b> excise tax inspector	<b>94201</b> exhaust equipment setter - electronic equipment manufacturing
<b>12104</b> excise tax officers supervisor	<b>53123</b> exhibit designer
<b>40011</b> excise tax programs director - government services	<b>53123</b> exhibit designers supervisor
<b>00011</b> executive administrator - government agency	<b>53100</b> exhibit officer - museum
<b>00011</b> executive administrator - government department	<b>53100</b> exhibit preparator
<b>12100</b> executive assistant	<b>53100</b> exhibit technician
<b>62200</b> executive chef	<b>12103</b> exhibition coordinator
<b>00011</b> executive director - emergency preparedness	<b>53123</b> exhibition designer - museums and art galleries
<b>00012</b> executive director - financial, communications and other business services	<b>55109</b> exotic dancer
<b>00015</b> executive director - goods production, utilities, transportation and construction	<b>32111</b> expanded duty dental hygienist
<b>00011</b> executive director - government services	

<b>32111</b> expanded duty dental nurse	<b>11201</b> export trade consultant
<b>94105</b> expanding machine operator - metal products manufacturing	<b>14400</b> export traffic clerk
<b>94112</b> expansion joint builder - rubber products manufacturing	<b>70020</b> export traffic manager
<b>94112</b> expansion joint finisher - rubber products manufacturing	<b>12013</b> export traffic supervisor
<b>75201</b> expedite driver	<b>14400</b> export-booking clerk
<b>65201</b> expediter - food services	<b>64101</b> exporter
<b>14402</b> expediter	<b>14301</b> exports clerk
<b>14200</b> expenditure clerk	<b>64409</b> express and freight information clerk
<b>72404</b> experimental aircraft mechanic	<b>64401</b> express mail service clerk
<b>20011</b> experimental farm superintendent	<b>75101</b> express service handler (except air transport)
<b>41403</b> experimental home economist	<b>10019</b> expropriation officer
<b>72100</b> experimental machinist	<b>31302</b> extended class registered nurse
<b>21100</b> experimental physicist	<b>84100</b> extensible conveyor belt assembler - underground mining
<b>72600</b> experimental test pilot	<b>22112</b> extension forest ranger
<b>94112</b> experimental tire manufacturing inspector	<b>21111</b> extension forester
<b>21332</b> exploitation engineer - oil and gas	<b>41403</b> extension home economist
<b>21332</b> exploitation engineer - petroleum	<b>22112</b> extension ranger - forestry
<b>21102</b> exploration geologist	<b>21112</b> extension service agronomist
<b>21102</b> exploration geophysicist	<b>75110</b> exterior cladder helper
<b>72999</b> explosive ordnance detector	<b>73200</b> exterior cladder
<b>94219</b> explosive primer inspector	<b>73102</b> exterior plasterer
<b>94110</b> explosive primers dryhouse tender - chemical processing	<b>52119</b> exterior set manager
<b>14401</b> explosives and ammunition magazine keeper	<b>52119</b> exterior shooting director
<b>21320</b> explosives engineer	<b>94204</b> exterior trailer finisher
<b>75101</b> explosives handler	<b>73200</b> exterior trimmer - building
<b>12013</b> explosives magazine foreman/woman	<b>73111</b> exterior wall glazier
<b>94110</b> explosives mixer tender	<b>72014</b> exterminating service supervisor
<b>94110</b> explosives mixer	<b>73202</b> exterminator
<b>75101</b> explosives packer	<b>94106</b> external cylindrical grinder set-up operator
<b>93101</b> explosives senior operator	<b>94106</b> external cylindrical-grinder operator
<b>73300</b> explosives truck driver	<b>10022</b> external relations director
<b>64101</b> export company sales representative	<b>52119</b> extra wrangler - motion pictures, broadcasting and performing arts
<b>62100</b> export company technical sales specialist	<b>32103</b> extracorporeal circulation technologist
<b>14301</b> export documentation clerk	<b>32103</b> extracorporeal technician
<b>40011</b> export programs manager - government services	<b>32103</b> extracorporeal technologist
<b>60010</b> export sales manager	<b>94140</b> extract maker - food and beverage processing
<b>64101</b> export sales representative	<b>21110</b> extraction specialist - cannabis
	<b>21322</b> extractive engineer
	<b>21109</b> extractive metallurgist



**21322** extractive metallurgy engineer  
**65320** extractor operator - laundry and dry cleaning  
**94130** extractor tender - textile manufacturing  
**41407** extraparliamentary commission officer  
**95100** extruder helper - primary metal processing  
**94103** extruder operator - concrete, clay and stone products  
**94111** extruder operator - plastic manufacturing  
**94112** extruder operator - rubber products manufacturing  
**95100** extruder tender - mineral products processing  
**92010** extruding foreman/woman - primary metal and mineral products processing  
**92010** extruding foreman/woman - primary metal processing  
**95104** extruding machine helper - rubber and plastic products manufacturing  
**94111** extruding machine operator - plastic manufacturing  
**94112** extruding machine operator - rubber products manufacturing  
**92013** extruding supervisor - rubber and plastic products manufacturing  
**94111** extrusion blow moulding operator  
**72101** extrusion die template maker  
**94112** extrusion finisher - rubber products manufacturing  
**92013** extrusion foreman/woman - rubber and plastic manufacturing  
**95100** extrusion helper - primary metal processing  
**94111** extrusion machine operator - plastic manufacturing  
**94100** extrusion press operator  
**92013** extrusion supervisor - rubber and plastic products manufacturing  
**31101** eye specialist  
**94219** eyeglass frame assembler  
**94219** eyeglass frame cutter  
**94219** eyeglass frame inspector and sorter  
**94219** eyeglass frame maker  
**94219** eyeglass frame polisher  
**95109** eyeglass frame trimmer  
**94219** eyeglass lens mounter  
**94219** eyeglass lenses edger tender - non-prescription  
**95109** eyeglass pad cementer

**32100** eyeglasses fitter  
**32100** eyeglasses frame fitter  
**94219** eyelet-punching machine tender

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**53124** fabric artisan  
**53124** fabric artist  
**95105** fabric cutter - fabric products manufacturing  
**22302** fabric design technologist  
**53123** fabric designer  
**94130** fabric dyer  
**94133** fabric examiner  
**94133** fabric grader  
**94219** fabric hat assembler  
**94133** fabric inspector  
**93200** fabric installer-repairer - aircraft assembly  
**94133** fabric manufacturing inspector  
**95105** fabric marker  
**94132** fabric mender  
**92015** fabric products embroidery supervisor  
**94132** fabric repairer  
**64100** fabric salesperson - retail  
**94133** fabric sampler  
**60020** fabric store manager  
**95101** fabrication shop helper - metal products  
**72106** fabrication welder  
**72104** fabricator - structural metal  
**92015** fabric-cutting department foreman/woman  
**94130** fabric-printing machine operator  
**72400** fabric-shearing machine fixer - textile manufacturing  
**72400** fabric-shearing machine setter - textile manufacturing  
**72400** fabric-shearing machine setter-fixer - textile manufacturing  
**82020** face boss - underground mining  
**55109** face painter  
**83100** faceman/woman - coal mine  
**94124** facer operator - woodworking  
**63211** facial treatment operator  
**53123** facilities designer

<b>70012</b> facilities maintenance head	<b>41301</b> family counsellor
<b>72205</b> facilities man/woman - telecommunications	<b>14103</b> family court administrator
<b>65210</b> facilities porter	<b>41100</b> family court judge
<b>72205</b> facilities wirer - telecommunications	<b>10019</b> family court registrar
<b>70012</b> facility maintenance manager	<b>31102</b> family doctor
<b>73201</b> facility maintenance operator	<b>42200</b> family law clerk
<b>70012</b> facility management director	<b>13111</b> family law legal assistant
<b>70012</b> facility operations manager	<b>42200</b> family law paralegal
<b>72205</b> facsimile equipment installer	<b>31102</b> family physician
<b>65312</b> factory cleaner	<b>41301</b> family planning counsellor
<b>72011</b> factory electrician supervisor	<b>31102</b> family practitioner
<b>83120</b> factory freezer trawler captain	<b>40030</b> family resources director
<b>72603</b> factory freezer trawler chief marine engineer	<b>42201</b> family service worker
<b>72603</b> factory freezer trawler first engineer	<b>40030</b> family services area manager
<b>72603</b> factory freezer trawler second engineer	<b>40010</b> family services director - government services
<b>94132</b> factory hat sewer	<b>41300</b> family social worker
<b>95109</b> factory helper	<b>41301</b> family therapist
<b>95109</b> factory labourer - manufacturing	<b>41403</b> family violence prevention program adviser
<b>95109</b> factory labourer, garments	<b>44101</b> family worker - home care
<b>73201</b> factory maintenance man/woman	<b>94132</b> fancy stitch machine operator
<b>75119</b> factory maintenance mechanic helper	<b>94219</b> fancy wire drawer - jewellery manufacturing
<b>72400</b> factory maintenance mechanic	<b>65329</b> fare box collector
<b>73201</b> factory maintenance worker	<b>73209</b> farebox repairer
<b>75119</b> factory or mill maintenance mechanic helper	<b>72999</b> farm blacksmith
<b>95109</b> factory shoe repairer helper	<b>82030</b> farm boss
<b>94219</b> factory shoe repairer	<b>82030</b> farm business foreman/woman
<b>90010</b> factory superintendent	<b>41401</b> farm economist
<b>64320</b> factory tour guide	<b>94204</b> farm equipment assembly inspector
<b>40020</b> faculty administrator	<b>72401</b> farm equipment mechanic
<b>40020</b> faculty of arts dean	<b>84120</b> farm equipment operator
<b>40020</b> faculty of science dean	<b>72020</b> farm equipment repair foreman/woman
<b>42204</b> faith healer	<b>62100</b> farm equipment salesperson
<b>84110</b> faller - logging	<b>72401</b> farm equipment technician
<b>84110</b> faller and buckler - logging	<b>82030</b> farm foreman/woman
<b>84110</b> faller	<b>85101</b> farm hand - harvesting
<b>40010</b> family and children's services director - government services	<b>85100</b> farm hand - livestock
<b>41101</b> family and estates lawyer	<b>60020</b> farm heavy equipment dealership manager
<b>40010</b> family benefits director - government services	<b>94204</b> farm implement assembler
<b>44101</b> family caregiver	<b>94204</b> farm implement assembly inspector
<b>44100</b> family child care provider	<b>92023</b> farm implements assembly foreman/woman
	<b>82030</b> farm irrigating system contractor

<b>85101</b> farm labourer - harvesting	<b>52120</b> fashion illustrator
<b>85100</b> farm labourer - livestock	<b>55109</b> fashion model
<b>72405</b> farm machinery builder	<b>53110</b> fashion photographer
<b>84120</b> farm machinery custom operator	<b>40020</b> fashion school general manager
<b>94204</b> farm machinery dismantler	<b>52114</b> fashion show commentator
<b>72405</b> farm machinery fitter	<b>53123</b> fashion stylist
<b>92023</b> farm machinery inspection foreman/woman	<b>41210</b> fashion teacher - college level
<b>72401</b> farm machinery mechanic	<b>53123</b> fashion wear designer
<b>84120</b> farm machinery operator	<b>75201</b> fast food delivery driver
<b>62100</b> farm machinery salesperson	<b>60030</b> fast food restaurant manager
<b>72401</b> farm machinery wheelwright	<b>94124</b> fastener-driver operator - woodworking
<b>21112</b> farm management consultant	<b>65201</b> fast-food preparer
<b>80020</b> farm manager	<b>65201</b> fast-food service attendant
<b>82030</b> farm operation foreman/woman	<b>75101</b> fats and oils loader
<b>82030</b> farm operation supervisor	<b>65320</b> feather renovator
<b>82030</b> farm produce grading service contractor	<b>95109</b> feather washer and dryer
<b>82030</b> farm produce packing service contractor	<b>51110</b> feature editor
<b>40011</b> farm products marketing director - government services	<b>51113</b> feature reporter
<b>82030</b> farm supervisor	<b>51111</b> feature writer
<b>72401</b> farm tractor mechanic	<b>41407</b> federal and intergovernmental affairs research officer - government services
<b>72401</b> farm tractor repairer	<b>41100</b> federal court justice - trial division
<b>12202</b> farm underwriter - insurance	<b>41100</b> federal court justice
<b>31103</b> farm veterinarian	<b>41100</b> Federal Court of Appeal justice
<b>85101</b> farm worker - harvesting	<b>41100</b> federal trial court justice
<b>85100</b> farm worker - livestock	<b>40019</b> federal-provincial relations chief
<b>82030</b> farm workers supervisor	<b>40019</b> federal-provincial relations director
<b>80020</b> farmer (except nursery and fish farm)	<b>41407</b> federal-provincial relations officer
<b>21112</b> farming consultant	<b>00015</b> feed and flour mills general manager
<b>72999</b> farrier	<b>94140</b> feed batch mixer - food and beverage processing
<b>84120</b> farrowing technician	<b>75101</b> feed mill loader
<b>64201</b> fashion and wardrobe consultant	<b>94140</b> feed mill production worker
<b>64201</b> fashion colour analyst	<b>94140</b> feed miller - food and beverage processing
<b>64201</b> fashion colour consultant	<b>92012</b> feed milling foreman/woman
<b>51113</b> fashion columnist	<b>94140</b> feed mixer - food and beverage processing
<b>64201</b> fashion consultant	<b>64101</b> feed product sales representative
<b>53123</b> fashion coordinator	<b>94143</b> feed tester - food and beverage processing
<b>41210</b> fashion design teacher - general and vocational college (CEGEP)	<b>95109</b> feeder - printing
<b>53123</b> fashion designer	<b>95103</b> feeder - wood processing
<b>53123</b> fashion goods exhibit coordinator	<b>94112</b> feeder mill operator - rubber products manufacturing

<b>92100</b> feeder switchboard apprentice operator - electrical power systems	<b>72602</b> ferryboat captain
<b>92100</b> feeder switchboard operator - electrical power systems	<b>74201</b> ferryboat deckhand
<b>85100</b> feedlot assistant	<b>72602</b> ferryboat first mate
<b>80020</b> feedlot farmer	<b>72602</b> ferryboat master
<b>82030</b> feedlot foreman/woman	<b>72602</b> ferryboat operator
<b>85100</b> feedlot herd attendant	<b>82030</b> fertilization service contractor - agriculture
<b>85100</b> feedlot worker	<b>94110</b> fertilizer mixer
<b>85100</b> feedyard assistant	<b>12103</b> festival organizer
<b>85100</b> feedyard worker	<b>95100</b> fettler - clay products manufacturing
<b>84110</b> feller - logging	<b>94130</b> fibre classer
<b>83110</b> feller buncher operator	<b>94133</b> fibre examiner - textiles
<b>83110</b> feller delimber operator	<b>72014</b> fibre glass insulation specialists foreman/woman
<b>83110</b> feller forwarder operator	<b>94133</b> fibre grader - textiles
<b>84110</b> feller	<b>94133</b> fibre inspector - textiles
<b>72401</b> felling equipment mechanic	<b>72014</b> fibre insulation foreman/woman
<b>94130</b> felt dryer - textile manufacturing	<b>72014</b> fibre insulators foreman/woman
<b>95105</b> felt goods labourer	<b>94130</b> fibre mixer
<b>94219</b> felt hat finisher	<b>72204</b> fibre optic cable splicer
<b>92015</b> felt hat finishing room foreman/woman	<b>22310</b> fibre optics technician
<b>95105</b> felt press machine tender	<b>22310</b> fibre optics technologist
<b>94131</b> felt press tender - textiles	<b>94219</b> fibre strap machine tender
<b>94131</b> felting machine tender	<b>94130</b> fibre washer
<b>94131</b> felt-making machine operator	<b>94110</b> fibreglass binder mixer
<b>73200</b> fence builder	<b>94219</b> fibreglass boat assembler
<b>72014</b> fence contractor	<b>92024</b> fibreglass boat assembly foreman/woman
<b>73200</b> fence erector	<b>94219</b> fibreglass boat assembly repairer
<b>73200</b> fence installer	<b>92024</b> fibreglass boat foreman/woman
<b>53200</b> fencer	<b>94219</b> fibreglass boat inspector and finisher
<b>54100</b> fencing instructor	<b>94212</b> fibreglass filter assembler
<b>65229</b> feng shui practitioner	<b>94212</b> fibreglass inspector
<b>94140</b> fermentation process operator - food and beverage processing	<b>72321</b> fibreglass insulation installer
<b>94140</b> fermenter - tobacco processing	<b>94212</b> fibreglass laminator
<b>94140</b> fermenter operator	<b>94212</b> fibreglass layup man/woman - plastic manufacturing
<b>21101</b> fermentologist	<b>94212</b> fibreglass layup worker - plastic manufacturing
<b>65211</b> ferris wheel operator	<b>94111</b> fibreglass machine operator - plastic manufacturing
<b>70020</b> ferry operations manager	<b>94111</b> fibreglass moulder
<b>70020</b> ferry superintendent	<b>95100</b> fibreglass oven charger helper
<b>75210</b> ferry terminal attendant	<b>95100</b> fibreglass oven helper
<b>75210</b> ferry terminal worker	<b>92013</b> fibreglass plastics foreman/woman

<b>92013</b> fibreglass plastics processing supervisor	<b>53202</b> figure skating evaluator
<b>94130</b> fibreglass roving winder	<b>53202</b> figure skating judge
<b>94104</b> fibreglass tester	<b>94213</b> filament coater
<b>72400</b> fibreglass-forming machine repairer	<b>94201</b> filament stem inspector - electronic equipment manufacturing
<b>94111</b> fibreglass-spraying machine operator	<b>94201</b> filament tester - electronic equipment manufacturing
<b>21311</b> fibre-optic network designer	<b>94201</b> filament-winding machine adjuster
<b>51111</b> fiction writer	<b>14100</b> file and classification clerk
<b>12201</b> field adjuster - insurance	<b>14100</b> file clerk
<b>63100</b> field agent - insurance	<b>94106</b> file cutter - metal machining
<b>82030</b> field and vegetable crop foreman/woman	<b>94106</b> file maker - metal machining
<b>85101</b> field and vegetable crop labourer	<b>11201</b> file manager
<b>11100</b> field auditor - finances	<b>94151</b> file preparation operator
<b>12104</b> field auditor - taxation	<b>94219</b> filigree finisher
<b>94203</b> field coil taper - industrial electrical equipment	<b>94219</b> filigree wire drawer - jewellery manufacturing
<b>93101</b> field contract operator - oil and gas	<b>14100</b> filing clerk
<b>82030</b> field crop foreman/woman	<b>12010</b> filing clerks supervisor
<b>22110</b> field crop technician	<b>12010</b> filing service supervisor
<b>22110</b> field crop technologist	<b>11201</b> filing systems analyst
<b>90010</b> field director - manufacturing	<b>82020</b> fill foreman/woman - underground mining
<b>74204</b> field measurement hand - utilities	<b>82020</b> fill foreman/woman
<b>75119</b> field mechanic helper	<b>95106</b> filler - food and beverage processing
<b>22112</b> field office supervisor - forestry	<b>94142</b> fillet chopper - fish processing
<b>94121</b> field operator - pulp and paper	<b>94142</b> filleting machine operator - fish processing
<b>51113</b> field reporter	<b>94142</b> filleting machine setter - fish processing
<b>41403</b> field representative - housing	<b>95105</b> filling carrier - textile processing
<b>60010</b> field sales manager	<b>94142</b> filling machine operator - fish and seafood products
<b>64101</b> field salesperson - wholesale	<b>94140</b> filling machine setter - food and beverage processing
<b>21112</b> field service adviser - agriculture	<b>94140</b> filling machine set-up man/woman - food and beverage processing
<b>21112</b> field service agent - agriculture	<b>94205</b> filling machine tender - electrical equipment manufacturing
<b>70021</b> field service manager - postal and courier services	<b>65101</b> filling station attendant
<b>22311</b> field service technician - household and business equipment	<b>50011</b> film and video executive producer
<b>22232</b> field supervisor - occupational health and safety	<b>94151</b> film assembler
<b>40020</b> field teaching coordinator	<b>52110</b> film camera operator
<b>85101</b> field-grown crop farm labourer - harvesting	<b>52110</b> film cameraman/woman
<b>82030</b> field-grown crop foreman/woman	<b>64100</b> film counter clerk
<b>95103</b> fifth hand - pulp and paper	<b>51113</b> film critic
<b>92100</b> fifth-class stationary engineer	<b>95109</b> film cutter - film processing
<b>53200</b> figure skater	
<b>53201</b> figure skating coach	

<b>94153</b> film developer	<b>14300</b> films and recordings library clerk
<b>72022</b> film developers foreman/woman	<b>72022</b> filmsetter operators supervisor
<b>72022</b> film developers supervisor	<b>72022</b> filmsetters supervisor
<b>51120</b> film director	<b>94201</b> filter assembler - electronic equipment manufacturing
<b>53121</b> film dubber	<b>94219</b> filter assembler
<b>51120</b> film editor	<b>94140</b> filter cigarette machine tender
<b>14100</b> film filing clerk	<b>95102</b> filter cleaner - chemical processing
<b>52119</b> film location manager	<b>95100</b> filter leaves cleaner - primary metal and mineral products processing
<b>95109</b> film mounter - film processing	<b>93101</b> filter operator - petroleum, gas and chemical processing
<b>95109</b> film numberer - film processing	<b>94121</b> filter operator - pulp and paper
<b>72022</b> film printers foreman/woman	<b>92010</b> filter plant foreman/woman - primary metal and mineral products processing
<b>72022</b> film printing foreman/woman	<b>92101</b> filter plant operator - water treatment
<b>94153</b> film printing machine operator	<b>94110</b> filter press tender - chemical processing
<b>72022</b> film printing supervisor	<b>94140</b> filter rod machine operator - tobacco products
<b>72022</b> film processing foreman/woman	<b>94143</b> filter tip inspector - tobacco processing
<b>72022</b> film processing supervisor	<b>95100</b> filtering attendant - primary metal and mineral products processing
<b>94153</b> film processing technician	<b>95102</b> filtration helper - chemical processing
<b>94153</b> film processor	<b>92101</b> filtration plant controller - water treatment
<b>72022</b> film processors foreman/woman	<b>92021</b> final assembly and testing foreman/woman - electronic equipment manufacturing
<b>72022</b> film processors supervisor	<b>92021</b> final assembly and testing supervisor - electronic equipment manufacturing
<b>51120</b> film producer	<b>94213</b> final colour production painter
<b>50011</b> film production manager	<b>93200</b> final-assembly inspector - aircraft assembly
<b>53111</b> film projectionist	<b>92020</b> final-assembly supervisor - motor vehicle manufacturing
<b>53111</b> film quality inspector	<b>94201</b> final-assembly tester - electronic equipment manufacturing
<b>64100</b> film rental clerk	<b>10019</b> finance and administration director
<b>94151</b> film sizer	<b>00012</b> finance and administration vice-president - financial, communications and other business services
<b>94153</b> film splicer - photographic processing	<b>00015</b> finance and administration vice-president - goods production, utilities, transportation and construction
<b>95102</b> film spooler	<b>00013</b> finance and administration vice-president - health, education, social and community services and membership organizations
<b>94151</b> film stripper and layout specialist - printing	<b>00014</b> finance and administration vice-president - trade, broadcasting and other services
<b>94151</b> film stripper specialist - printing	<b>11101</b> finance and commercial affairs analyst
<b>94151</b> film stripper	
<b>94151</b> film stripper-assembler - printing	
<b>94151</b> film stripper-assembler	
<b>52113</b> film technician - motion picture	
<b>52113</b> film technician	
<b>95106</b> film-coating machine tender - tobacco products	
<b>94153</b> film-developing machine tender	
<b>51120</b> filmmaker	
<b>94153</b> film-printing machine tender	
<b>94153</b> film-processing machine operator	
<b>94219</b> film-processing unit assembler	

<b>10010</b> finance and control manager	<b>11102</b> financial consultant
<b>11109</b> finance and credit administrator	<b>10010</b> financial control manager
<b>10010</b> finance chief	<b>11100</b> financial control officer
<b>14200</b> finance clerk	<b>12011</b> financial control supervisor
<b>10010</b> finance director	<b>10010</b> financial controller
<b>10010</b> finance manager	<b>64400</b> financial customer service representative
<b>12200</b> finance officer	<b>10010</b> financial director
<b>13110</b> finance secretary	<b>41401</b> financial economist
<b>12200</b> finance technician	<b>51110</b> financial editor
<b>00012</b> finance vice-president - financial, communications and other business services	<b>10010</b> financial evaluations director
<b>00014</b> finance vice-president - food wholesaling	<b>11109</b> financial institutions examiner
<b>00015</b> finance vice-president - goods production, utilities, transportation and construction	<b>11109</b> financial institutions inspector
<b>00013</b> finance vice-president - health, education, social and community services and membership organizations	<b>14200</b> financial investigation clerk
<b>00012</b> finance vice-president - holding company	<b>11109</b> financial investigator
<b>00015</b> finance vice-president - mining company	<b>11100</b> financial management officer - pension plan analysis
<b>00014</b> finance vice-president - trade, broadcasting and other services	<b>11100</b> financial management officer - program budgeting
<b>11100</b> financial accountant	<b>11100</b> financial management officer
<b>12011</b> financial accounting supervisor	<b>10010</b> financial manager
<b>10010</b> financial administrator	<b>41401</b> financial market economist
<b>11102</b> financial advisor	<b>51110</b> financial news editor
<b>10010</b> financial aid director - post-secondary education	<b>12200</b> financial officer
<b>13100</b> financial aid officer	<b>11102</b> financial planner
<b>11101</b> financial analysis consultant	<b>10010</b> financial planning and advisory service manager
<b>11101</b> financial analyst	<b>10010</b> financial planning and analysis manager
<b>10019</b> financial and administrative services chief	<b>10010</b> financial planning and reporting director
<b>13100</b> financial assistance coordinator - college or university	<b>10010</b> financial planning and reporting manager
<b>42201</b> financial assistance officer - social assistance	<b>51113</b> financial reporter
<b>13100</b> financial assistance officer	<b>10010</b> financial resources service coordinator
<b>42201</b> financial assistance worker - social services	<b>63102</b> financial sales and service officer
<b>10010</b> financial audit manager	<b>63102</b> financial sales and service supervisor
<b>11100</b> financial auditor	<b>11102</b> financial security advisor
<b>11103</b> financial broker	<b>12200</b> financial services administrator - Canadian Armed Forces
<b>10020</b> financial brokerage manager	<b>11102</b> financial services advisor
<b>10010</b> financial centre manager	<b>11102</b> financial services consultant
<b>14201</b> financial clerk - financial sector	<b>11101</b> financial services economic analyst
<b>14202</b> financial collector	<b>10021</b> financial services manager
<b>11109</b> financial compliance officer	<b>63102</b> financial services officer
	<b>63102</b> financial services representative

<b>11101</b> financial services research associate	<b>92013</b> finishing and trimming supervisor - rubber and plastic products manufacturing
<b>64101</b> financial services sales representative	<b>92015</b> finishing department foreman/woman - fabric, fur and leather products manufacturing
<b>64101</b> financial services salesperson	<b>92015</b> finishing department foreman/woman - textile processing
<b>21210</b> financial statistician	<b>92015</b> finishing department supervisor - textile processing
<b>11109</b> financial underwriter	<b>94200</b> finishing department technician - motor vehicle manufacturing
<b>10010</b> financing and administration director	<b>92013</b> finishing foreman/woman - plastic manufacturing
<b>11202</b> financing officer - fundraising	<b>72022</b> finishing foreman/woman - printing
<b>94219</b> findings attacher - jewellery manufacturing	<b>92013</b> finishing foreman/woman - rubber manufacturing
<b>51101</b> fine art and polychrome conservator	<b>94104</b> finishing inspector - primary metal and mineral products processing
<b>51102</b> fine arts archivist	<b>94133</b> finishing inspector - textiles
<b>41200</b> fine arts professor - university	<b>94210</b> finishing machine operator - furniture manufacturing
<b>41210</b> fine arts teacher - college level	<b>94152</b> finishing machine operator - printing
<b>41220</b> fine arts teacher - secondary school	<b>94130</b> finishing machine operator - textile manufacturing
<b>12012</b> fingerprint classifier supervisor	<b>94130</b> finishing range operator - textile manufacturing
<b>14301</b> fingerprint clerk	<b>94213</b> finishing roller industrial painter
<b>22100</b> fingerprint identification technician	<b>92022</b> finishing room foreman/woman - furniture and fixtures manufacturing
<b>42203</b> finger-spelling teacher	<b>92013</b> finishing supervisor - plastic products manufacturing
<b>72310</b> finish carpenter	<b>72022</b> finishing supervisor - printing
<b>72013</b> finish carpenters foreman/woman	<b>92013</b> finishing supervisor - rubber products manufacturing
<b>95101</b> finish grinder - metal products manufacturing	<b>92015</b> finishing supervisor - textiles
<b>72013</b> finish joiners foreman/woman	<b>22311</b> fire alarm electronics technician
<b>53110</b> finish photographer	<b>14404</b> fire alarm operator
<b>94124</b> finish planer operator - woodworking	<b>22311</b> fire alarm systems installer and servicer
<b>73102</b> finish plasterer	<b>22311</b> fire alarm technician
<b>94200</b> finished assembled vehicle inspector - motor vehicle manufacturing	<b>82020</b> fire boss - mining
<b>94213</b> finished enamel sprayman/woman	<b>72320</b> fire brick layer
<b>94201</b> finished product inspector - electronic equipment manufacturing	<b>72320</b> fire brick liner repairer
<b>94213</b> finished vehicle paint repairman/woman	<b>42101</b> fire captain
<b>94103</b> finisher - concrete, clay and stone products	<b>40041</b> fire chief
<b>94210</b> finisher - furniture finishing	<b>22112</b> fire crew leader - forestry
<b>65320</b> finisher - laundry and dry cleaning	<b>84111</b> fire crewman/woman - forestry
<b>94100</b> finisher - primary metal processing	<b>40041</b> fire department assistant deputy chief
<b>94121</b> finisher - pulp and paper	
<b>94130</b> finisher - textile manufacturing	
<b>95101</b> finisher, foundry moulds	
<b>94212</b> finisher-grinder - plastic manufacturing	
<b>95109</b> finisher-sander - furniture manufacturing	
<b>95109</b> finisher-trimmer - footwear manufacturing	
<b>92013</b> finishing and trimming foreman/woman - rubber and plastic manufacturing	



<b>40041</b> fire department assistant manager	<b>21109</b> firearms examiner
<b>40041</b> fire department chief	<b>21109</b> firearms expert
<b>14404</b> fire department dispatcher	<b>94204</b> firearms fitter
<b>40041</b> fire department division chief	<b>72100</b> firearms machining inspector
<b>40041</b> fire department duty officer	<b>72100</b> firearms model maker machinist
<b>42101</b> fire department platoon chief	<b>40040</b> firearms section inspector - police
<b>73209</b> fire equipment repairer	<b>75110</b> firebrick layer helper
<b>75119</b> fire equipment servicer helper	<b>42101</b> firefighter apprentice
<b>73209</b> fire equipment servicer	<b>42101</b> firefighter lieutenant
<b>73209</b> fire extinguisher repairer	<b>42101</b> firefighter
<b>94112</b> fire hose curer rubber	<b>42101</b> firefighter-inspector
<b>42101</b> fire inspector	<b>40041</b> firefighters executive officer
<b>12201</b> fire insurance adjuster	<b>94219</b> firefighters' hats assembler
<b>63100</b> fire insurance agent	<b>41210</b> firefighters instructor
<b>63100</b> fire insurance salesman/woman	<b>41210</b> firefighting instructor
<b>42101</b> fire lieutenant	<b>72320</b> fireplace brickmason
<b>84111</b> fire lookout	<b>65311</b> fireplace cleaner
<b>00011</b> fire marshal	<b>73102</b> fireproofing applicator
<b>72600</b> fire patrol pilot	<b>73102</b> fireproofing plasterer
<b>72301</b> fire prevention and automatic suppression systems installer	<b>72014</b> fireproofing plasterers foreman/woman
<b>21321</b> fire prevention engineer	<b>72014</b> fireproofing plastering foreman/woman
<b>42101</b> fire prevention officer	<b>72321</b> firestopping insulator
<b>72012</b> fire protection equipment installer foreman/woman	<b>94219</b> firework assembler
<b>72321</b> fire protection insulator	<b>94219</b> firework maker
<b>72301</b> fire protection mechanic	<b>53111</b> fireworks handler
<b>72301</b> fire protection piping installer	<b>33102</b> first aid attendant - emergency
<b>72301</b> fire protection piping system installer	<b>33102</b> first aid attendant
<b>22302</b> fire protection technician - manufacturing	<b>43109</b> first aid instructor
<b>42101</b> fire safety inspection firefighter	<b>31301</b> first aid nurse
<b>72301</b> fire sprinkler fitter	<b>30010</b> first aid services director
<b>22112</b> fire suppression crew foreman/woman - forestry	<b>63200</b> first cook
<b>84111</b> fire suppression crewman/woman - forestry	<b>52119</b> first grip
<b>22112</b> fire suppression officer - forestry	<b>72602</b> first mate - inland waters
<b>12202</b> fire underwriter - insurance	<b>00010</b> First Nations band chief
<b>94213</b> firearm burnisher - metal plating	<b>00010</b> First Nations band council member
<b>94213</b> firearm finisher - metal plating	<b>00011</b> First Nations band manager
<b>92024</b> firearms assembly foreman/woman	<b>41320</b> First Nations counsellor - education
<b>95101</b> firearms cleaner - metal products manufacturing	<b>00010</b> First Nations government leader
<b>94106</b> firearms etcher	<b>41320</b> First Nations studies program academic adviser
	<b>72600</b> first officer - air transport
	<b>73401</b> first press operator - printing

<b>73401</b> first pressman/woman - printing	<b>94142</b> fish dryer tender - fish processing
<b>73401</b> first pressman/woman	<b>94142</b> fish egg processor - fish processing
<b>41407</b> first secretary - foreign service	<b>85102</b> fish farm helper
<b>62200</b> first sous-chef	<b>80022</b> fish farm manager
<b>92100</b> first-class power engineer	<b>80022</b> fish farm operator
<b>92100</b> first-class stationary engineer	<b>22110</b> fish farm technologist
<b>14200</b> fiscal clerk	<b>85102</b> fish farm worker
<b>41401</b> fiscal economics analyst	<b>80022</b> fish farmer
<b>11101</b> fiscal projections consultant	<b>94142</b> fish flaker - fish processing
<b>65201</b> fish and chips preparer	<b>92012</b> fish freezing foreman/woman
<b>22111</b> fish and fish products inspector	<b>92012</b> fish freezing supervisor
<b>22113</b> fish and game warden	<b>95107</b> fish freezing worker - fish processing
<b>22113</b> fish and wildlife officer	<b>94142</b> fish fryer - fish processing
<b>95107</b> fish bin worker - fish processing	<b>94143</b> fish grader
<b>94142</b> fish boner - fish processing	<b>85102</b> fish hatchery attendant
<b>95107</b> fish briner - fish processing	<b>80022</b> fish hatchery manager
<b>94142</b> fish broiler - fish processing	<b>80022</b> fish hatchery operator
<b>94142</b> fish by-products processor	<b>80022</b> fish hatchery supervisor
<b>94142</b> fish cake former - fish processing	<b>85102</b> fish hatchery tagger
<b>94142</b> fish cake maker - fish processing	<b>22110</b> fish hatchery technician
<b>94142</b> fish cake maker	<b>85102</b> fish hatchery worker - aquaculture
<b>94142</b> fish cake processor - fish processing	<b>85102</b> fish hatchery worker
<b>94142</b> fish canning machine operator - fish processing	<b>94142</b> fish header - fish processing
<b>92012</b> fish canning, curing and packing workers foreman/woman	<b>95107</b> fish hopper filling worker
<b>94142</b> fish cleaner and cutter - fish processing	<b>95107</b> fish icer - fish processing
<b>94142</b> fish cook - fish processing	<b>22111</b> fish inspector
<b>95107</b> fish culler	<b>22111</b> fish inspector-grader
<b>80022</b> fish culture manager	<b>64100</b> fish market salesperson
<b>80022</b> fish culture operator	<b>94219</b> fish net making machine operator
<b>22110</b> fish culturist	<b>94142</b> fish offal processor - fish processing
<b>94142</b> fish curer - fish processing	<b>94142</b> fish oil extractor tender - fish processing
<b>92012</b> fish curing and canning foreman/woman	<b>95107</b> fish packer - fish processing
<b>95107</b> fish curing worker	<b>94142</b> fish paste grinder - fish processing
<b>94142</b> fish cutter - fish processing	<b>95107</b> fish pickler - fish processing
<b>65202</b> fish cutter - retail or wholesale	<b>95107</b> fish plant labourer
<b>94142</b> fish cutting machine operator - fish processing	<b>94142</b> fish plant machine operator - fish processing
<b>94142</b> fish cutting machine setter - fish processing	<b>94142</b> fish plant worker
<b>95107</b> fish dipper - fish processing	<b>92012</b> fish preparation foreman/woman
<b>94142</b> fish dresser - fish processing	<b>94142</b> fish presser operator - fish processing
<b>94142</b> fish dryer and grinder tender - fish processing	<b>95107</b> fish processing labourer
	<b>95107</b> fish processing plant labourer

<b>92012</b> fish processing supervisor	<b>22113</b> fishing area supervisor
<b>94142</b> fish processor	<b>60031</b> fishing camp operator
<b>22111</b> fish products inspection supervisor	<b>64322</b> fishing guide
<b>22111</b> fish products inspector	<b>53123</b> fishing lure designer
<b>94142</b> fish products maker - fish processing	<b>83120</b> fishing master
<b>92012</b> fish reduction foreman/woman	<b>80010</b> fishing operations manager
<b>22110</b> fish roe technician	<b>94219</b> fishing reel assembler
<b>95107</b> fish salter - fish processing	<b>94219</b> fishing rod assembler
<b>64100</b> fish shop salesperson	<b>94219</b> fishing rod finisher
<b>94142</b> fish skinner operator - fish processing	<b>94219</b> fishing rod guide winder tender
<b>94142</b> fish smoke chamber tender - fish processing	<b>54100</b> fishing seminar leader
<b>94142</b> fish smoker - fish processing	<b>94219</b> fishing tackle maker
<b>95107</b> fish sorter	<b>83101</b> fishing tool operator - oil field services
<b>94142</b> fish splitter - fish processing	<b>83120</b> fishing vessel boatswain
<b>94142</b> fish stick machine tender - fish processing	<b>83120</b> fishing vessel bo'sun
<b>85102</b> fish tagger	<b>83120</b> fishing vessel captain
<b>94142</b> fish trimmer - fish processing	<b>84121</b> fishing vessel checkerman/woman
<b>95107</b> fish weigher	<b>72603</b> fishing vessel chief engineer
<b>84121</b> fishboat deckhand	<b>84121</b> fishing vessel crewman/woman
<b>94142</b> fish-cleaning machine tender - fish processing	<b>83120</b> fishing vessel deck officer
<b>41400</b> fisheries analyst	<b>84121</b> fishing vessel deckhand
<b>22113</b> fisheries inspector supervisor	<b>72603</b> fishing vessel engineer officer
<b>22113</b> fisheries inspector	<b>83120</b> fishing vessel first mate
<b>22113</b> fisheries observer	<b>84121</b> fishing vessel icer
<b>21102</b> fisheries oceanographer	<b>83120</b> fishing vessel master
<b>22113</b> fisheries officer supervisor	<b>83120</b> fishing vessel mate
<b>22113</b> fisheries officer	<b>83120</b> fishing vessel navigation officer
<b>41400</b> fisheries program officer	<b>84121</b> fishing vessel netmender
<b>22110</b> fisheries technician	<b>84121</b> fishing vessel roller/woman
<b>22110</b> fisheries technologist	<b>83120</b> fishing vessel second mate
<b>83121</b> fisherman/woman	<b>84121</b> fishing vessel skiffman/woman
<b>22110</b> fishery bacteriological technician	<b>83121</b> fishing vessel skipper
<b>22110</b> fishery bacteriological technologist	<b>12203</b> fishing vessels appraiser
<b>21110</b> fishery bacteriologist	<b>65202</b> fishmonger - retail
<b>22113</b> fishery officer	<b>65202</b> fishmonger
<b>40011</b> fishery policy director - government services	<b>94219</b> fish-net-making machine tender
<b>21110</b> fishery products bacteriologist	<b>94142</b> fish-processing machine operator
<b>40011</b> fishery programs manager - government services	<b>94142</b> fish-processing machine tender
<b>92012</b> fish-freezing and storage foreman/woman	<b>95107</b> fish-processing plant handler
<b>63200</b> fishing and merchant vessel cook	<b>90010</b> fish-processing plant manager
	<b>94142</b> fish-processing plant worker

<b>94142</b> fish-skinning machine operator - fish processing	<b>94140</b> flaking roll tender - food and beverage processing
<b>50012</b> fitness administration director - government	<b>94100</b> flame annealing tender - primary metal processing
<b>41406</b> fitness analyst	<b>95101</b> flame cutter helper - metal products manufacturing
<b>54100</b> fitness appraiser	<b>94105</b> flame cutting machine operator - metal fabrication
<b>50012</b> fitness centre manager	<b>94105</b> flame cutting tracer machine operator - metal fabrication
<b>50012</b> fitness club manager	<b>94105</b> flame hardening machine setter
<b>41406</b> fitness consultant	<b>72106</b> flame-brazing machine operator
<b>41406</b> fitness coordinator	<b>72106</b> flame-brazing machine setter
<b>70012</b> fitness facility manager	<b>94219</b> flare assembler
<b>54100</b> fitness instructor	<b>72106</b> flash butt welder
<b>54100</b> fitness leader - aerobic fitness	<b>52120</b> flash designer
<b>54100</b> fitness leader - aquatic fitness	<b>94205</b> flat battery maker
<b>54100</b> fitness leader - fitness for older adults	<b>94205</b> flat cell maker - electrical equipment manufacturing
<b>54100</b> fitness leader - strength and conditioning	<b>94205</b> flat dry battery assembler
<b>54100</b> fitness leader	<b>94205</b> flat dry cell assembler
<b>41406</b> fitness policy analyst	<b>94205</b> flat dry cell machine tender - electrical equipment manufacturing
<b>41406</b> fitness program consultant	<b>94131</b> flat knitter
<b>50012</b> fitness programs director	<b>94131</b> flat knitting machine knitter
<b>41406</b> fitness programs supervisor	<b>94219</b> flat optical element maker - non-prescription
<b>54100</b> fitness supervisor	<b>73110</b> flat roofer
<b>72104</b> fitter - metal fabrication	<b>94111</b> flatbed press operator - plastic manufacturing
<b>72102</b> fitter - sheet metal working	<b>73401</b> flat-bed press set-up operator
<b>72104</b> fitter - shipbuilding	<b>73300</b> flatbed truck driver
<b>72104</b> fitter - structural metal fabrication	<b>94219</b> flatware buffing machine set-up operator
<b>94200</b> fitter and adjuster - motor vehicle manufacturing	<b>65320</b> flatwork finisher - laundry and dry cleaning
<b>75110</b> fitter helper - construction	<b>65320</b> flatwork folder - laundry and dry cleaning
<b>95101</b> fitter helper - metal products manufacturing	<b>65320</b> flatwork ironer - laundry and dry cleaning
<b>72104</b> fitter lead hand - structural metal and platework	<b>94140</b> flavour maker - food and beverage processing
<b>74200</b> fitter tracks - railway	<b>94140</b> flavour maker - tobacco processing
<b>94203</b> fitter-assembler - electrical control equipment	<b>94140</b> flavourer - tobacco processing
<b>94203</b> fitter-assembler - industrial electrical equipment	<b>94140</b> flavouring mixer - tobacco processing
<b>94103</b> fitting lathe operator - concrete products	<b>60020</b> flea market concession operator
<b>94133</b> fitting room inspector - fabric products manufacturing	<b>60020</b> flea market manager
<b>72106</b> fit-up welder	<b>94130</b> fleecer - textile manufacturing
<b>94210</b> fixture assembler	<b>94130</b> fleecing machine operator - textile manufacturing
<b>22211</b> fixture designer	
<b>94219</b> flag-making machine operator	
<b>75110</b> flagperson	
<b>94129</b> flaker operator - wood processing	
<b>94110</b> flaker tender - chemical processing	

<b>94130</b> fleecing machine tender - textile manufacturing	<b>31301</b> float nurse
<b>64101</b> fleet sales representative	<b>94102</b> float operator - glass forming
<b>94130</b> fleshing machine tender - hide and pelt processing	<b>72500</b> floating crane operator
<b>94219</b> fletcher - sporting goods manufacturing	<b>95109</b> flocker - garment manufacturing
<b>94151</b> flexible plate engraver	<b>94130</b> flocking machine tender
<b>94151</b> flexible printing plate moulder	<b>22233</b> flood damage inspector - construction sites
<b>94151</b> flexible-plate hand engraver	<b>21120</b> flood damage inspector
<b>94122</b> flexo-folder operator - paper converting	<b>72014</b> floor and wall covering installers foreman/woman
<b>94151</b> flexographic moulder-proofer	<b>95109</b> floor attendant - bindery
<b>73401</b> flexographic press adjuster	<b>95109</b> floor attendant - printing
<b>73401</b> flexographic press operator	<b>65310</b> floor cleaner
<b>73401</b> flexographic press set-up technician - printing	<b>65102</b> floor clerk - retail
<b>73401</b> flexographic pressman/woman	<b>65102</b> floor clerk - supermarket
<b>94151</b> flexographic printing cylinder assembler	<b>75110</b> floor coverer helper
<b>64312</b> flight agent	<b>72014</b> floor coverer-contractor
<b>64311</b> flight attendant	<b>72014</b> floor covering contractor
<b>41210</b> flight attendants instructor	<b>72014</b> floor covering foreman/woman
<b>14405</b> flight crew scheduler	<b>73113</b> floor covering installer apprentice
<b>12013</b> flight crew scheduling supervisor	<b>73113</b> floor covering installer
<b>12013</b> flight crew supervisor	<b>73113</b> floor covering mechanic
<b>72601</b> flight dispatch assistant	<b>72014</b> floor covering supervisor
<b>72601</b> flight dispatcher	<b>60020</b> floor coverings and draperies store manager
<b>72600</b> flight engineer	<b>64100</b> floor coverings salesperson - retail
<b>72600</b> flight instructor	<b>52119</b> floor director - broadcasting
<b>72404</b> flight line mechanic	<b>51120</b> floor director - performing arts
<b>70020</b> flight operations director	<b>95105</b> floor helper - textile processing
<b>22231</b> flight operations inspector	<b>94200</b> floor inspector - motor vehicle manufacturing
<b>70020</b> flight operations manager	<b>73113</b> floor layer
<b>72601</b> flight operations officer	<b>75110</b> floor layer's helper
<b>64311</b> flight purser	<b>52119</b> floor manager - broadcasting
<b>14405</b> flight scheduler	<b>60020</b> floor manager - retail
<b>70020</b> flight schedulers manager	<b>94112</b> floor mat press tender - rubber products manufacturing
<b>64311</b> flight service director	<b>94101</b> floor moulder - foundry
<b>72601</b> flight service specialist (FSS)	<b>75110</b> floor sander and finisher helper
<b>72600</b> flight simulator instructor	<b>73200</b> floor sander and finisher
<b>22310</b> flight simulator technician	<b>73200</b> floor sander and polisher
<b>72404</b> flight test aircraft mechanic	<b>73200</b> floor sander
<b>72404</b> flight test inspector	<b>73113</b> floor sheeting layer
<b>94102</b> float chief operator - glass forming	<b>65310</b> floor sweeper
<b>14100</b> float clerk	

<b>72310</b> floor systems carpenter	<b>21100</b> fluid physicist
<b>95109</b> floor tile edge grinder	<b>94140</b> flumer - food and beverage processing
<b>73113</b> floor tile layer	<b>95106</b> flumer helper - food and beverage processing
<b>11103</b> floor trader - commodity exchange	<b>94202</b> fluorescent lighting fixture assembler
<b>94212</b> floorcovering inset cutter - plastic manufacturing	<b>22230</b> fluorescent penetrant testing technician
<b>75110</b> floorcovering installer helper	<b>94201</b> fluorescent screen former
<b>75110</b> floorcovering mechanic helper	<b>22230</b> fluoroscope tester
<b>94150</b> floorcovering printer	<b>95100</b> fluorspar flux maker - primary metal processing
<b>85111</b> floorhand - offshore drilling rig	<b>94100</b> fluorspar recovery tender
<b>85111</b> floorhand - oil and gas drilling	<b>65320</b> fluting machine operator - laundry and dry cleaning
<b>85111</b> floorhand - service rig	<b>94124</b> fluting machine operator - woodworking
<b>94123</b> flooring grader - wood processing	<b>51122</b> flutist
<b>85111</b> floorman/woman - offshore drilling rig	<b>94100</b> flux-mixing machine tender - metal processing
<b>85111</b> floorman/woman - oil and gas drilling	<b>75201</b> flyer distributor
<b>53124</b> floral arrangements designer	<b>72400</b> flyer repairer - textile manufacturing
<b>53124</b> floral designer	<b>72600</b> flying instructor
<b>22114</b> floriculturist	<b>40020</b> flying school manager
<b>64100</b> florist - retail	<b>94105</b> flying shear operator - metal fabrication
<b>64100</b> florist salesperson	<b>53111</b> flyman/woman
<b>64100</b> florist shop salesperson	<b>94212</b> foam cushion production repairer - plastic products manufacturing
<b>95100</b> flotation cell helper - primary metal and mineral products processing	<b>94212</b> foam cushion reinforcer - plastic products manufacturing
<b>94100</b> flotation cell tender - primary metal processing	<b>72014</b> foam insulation foreman/woman
<b>94140</b> flour blender operator - food and beverage processing	<b>72014</b> foam insulators foreman/woman
<b>22111</b> flour inspector	<b>94205</b> foam machine operator - electrical equipment manufacturing
<b>92012</b> flour mill foreman/woman	<b>94111</b> foam plastic-producing machine operator
<b>94140</b> flour mill machine operator	<b>94111</b> foam plastic-spraying machine operator
<b>90010</b> flour mill manager	<b>92013</b> foam products inspection foreman/woman - rubber manufacturing
<b>94140</b> flour miller	<b>92013</b> foam products inspection supervisor - rubber products manufacturing
<b>92012</b> flour milling team supervisor	<b>94112</b> foam rubber goods inspector
<b>95106</b> flour mixer helper	<b>94112</b> foam rubber machine operator
<b>94140</b> flour purifier	<b>94112</b> foam rubber maker
<b>92012</b> flour-and-grain mill foreman/woman	<b>94112</b> foam rubber mattress inspector
<b>80021</b> flower grower	<b>94112</b> foam rubber mixer
<b>60020</b> flower shop manager	<b>94112</b> foam rubber press operator
<b>60020</b> flower store manager	<b>72321</b> foamed insulation applicator
<b>94103</b> flowerpot pressman/woman - clay products	<b>53111</b> focus puller
<b>95102</b> flue cleaner - utilities	<b>94107</b> foil rewinder
<b>95100</b> flue dust labourer - primary metal and mineral products processing	
<b>21301</b> fluid mechanics engineer	

<b>95100</b> foil roller helper - primary metal processing	<b>62101</b> food buyer
<b>95100</b> foil separator - primary metal processing	<b>21101</b> food chemist
<b>94152</b> foil stamper - printing	<b>62020</b> food concession supervisor
<b>94219</b> foiling machine tender	<b>65201</b> food concession worker
<b>94152</b> foil-stamping platen press operator	<b>41403</b> food consultant - home economics
<b>94100</b> foil-winding machine operator - primary metal processing	<b>14403</b> food controller - inventory
<b>94100</b> foil-winding machine operator	<b>65201</b> food counter attendant
<b>94112</b> folded gasket maker - rubber products manufacturing	<b>75201</b> food delivery driver
<b>65320</b> folder - laundry and dry cleaning	<b>65109</b> food demonstrator - retail
<b>94152</b> folder operator - printing	<b>21120</b> food inspector
<b>95109</b> folderman/woman - printing	<b>64100</b> food preparer - grocery store
<b>95109</b> folding machine feeder - printing	<b>65201</b> food preparer
<b>94219</b> folding machine operator - garment manufacturing	<b>21399</b> food processing engineer
<b>94152</b> folding machine operator - printing	<b>95106</b> food processing labourer
<b>65320</b> folding machine tender - laundry and dry cleaning	<b>22100</b> food processing quality control technician
<b>94122</b> folding machine tender - paper converting	<b>22100</b> food processing quality control technologist
<b>94130</b> folding machine tender - textile manufacturing	<b>92012</b> food product grader supervisor
<b>53120</b> folk dance teacher	<b>95106</b> food product sampler
<b>53120</b> folk dancer	<b>92012</b> food product testers supervisor
<b>51122</b> folk singer	<b>90010</b> food production manager
<b>53120</b> folkloric dance teacher	<b>21110</b> food products bacteriologist
<b>53120</b> folkloric dancer	<b>22111</b> food products inspector
<b>14403</b> food and beverage control clerk - inventory	<b>64101</b> food products sales representative
<b>92012</b> food and beverage processing foreman/woman	<b>21110</b> food products scientist
<b>94143</b> food and beverage processing grader	<b>10012</b> food purchasing director
<b>92012</b> food and beverage processing supervisor	<b>10012</b> food purchasing manager
<b>90010</b> food and beverage production manager	<b>21110</b> food research scientist
<b>65200</b> food and beverage server	<b>65201</b> food runner
<b>60030</b> food and beverage service manager	<b>40010</b> food safety programs manager - government services
<b>65201</b> food and beverage service runner assistant	<b>41200</b> food science professor - university
<b>65201</b> food and beverage services attendant	<b>41200</b> food sciences department chairman/woman - university
<b>32129</b> food and nutrition technician - dietetics	<b>41200</b> food sciences department chairperson - university
<b>31103</b> food animal veterinarian	<b>41200</b> food sciences department head - university
<b>65201</b> food assembler - fast food	<b>21110</b> food scientist
<b>62020</b> food assembly supervisor	<b>65201</b> food service attendant
<b>22110</b> food bacteriological technician	<b>65201</b> food service counter attendant
<b>22110</b> food bacteriological technologist	<b>75201</b> food service driver
<b>21110</b> food bacteriologist	<b>65201</b> food service helper
	<b>62020</b> food service supervisor

<b>65201</b> food service worker	<b>94219</b> footwear parts trimmer - footwear manufacturing
<b>60030</b> food services manager	<b>94111</b> footwear presser - plastic manufacturing
<b>64101</b> food services sales representative	<b>64100</b> footwear salesperson - retail
<b>94140</b> food slicer - food and beverage processing	<b>94132</b> footwear sewer
<b>65100</b> food store cashier	<b>95104</b> footwear sorter - rubber products manufacturing
<b>64100</b> food store clerk - retail	<b>80020</b> forage crop farmer
<b>60020</b> food store department manager - retail	<b>72420</b> forced air furnace installer (except gas)
<b>60020</b> food store manager	<b>42200</b> foreclosure clerk
<b>62010</b> food store supervisor	<b>42200</b> foreclosure paralegal
<b>53123</b> food stylist	<b>13111</b> foreclosures legal assistant
<b>22100</b> food technician	<b>51113</b> foreign affairs reporter
<b>22100</b> food technologist	<b>51114</b> foreign broadcast translator
<b>21399</b> food technology engineer	<b>51113</b> foreign correspondent
<b>92012</b> food testing foreman/woman - food and beverage processing	<b>14201</b> foreign currency accounts adjuster - financial sector
<b>92012</b> food testing supervisor	<b>14201</b> foreign exchange clerk - financial sector
<b>94140</b> food-colouring equipment operator	<b>11103</b> foreign exchange dealer
<b>95106</b> food-cooling pan tender	<b>64400</b> foreign exchange teller - financial services
<b>94140</b> food-flavouring equipment tender	<b>11103</b> foreign exchange trader
<b>94140</b> food-mixing machine tender	<b>11109</b> foreign interbanking arrangements officer
<b>94204</b> food-packaging equipment assembly inspector	<b>51110</b> foreign news broadcasting editor
<b>95106</b> food-processing equipment cleaner	<b>51113</b> foreign news correspondent
<b>72405</b> food-processing machine fitter	<b>51110</b> foreign news service editor
<b>90010</b> food-processing plant manager	<b>51114</b> foreign news translator
<b>31301</b> foot care nurse	<b>14201</b> foreign remittance clerk - financial sector
<b>31209</b> foot specialist	<b>41407</b> foreign service officer
<b>53201</b> football coach	<b>72602</b> foreign-going first mate
<b>53200</b> football player	<b>72602</b> foreign-going second mate
<b>53201</b> football scout	<b>92021</b> foreman/woman - electronic equipment manufacturing
<b>53201</b> football team coach	<b>92020</b> foreman/woman - motor vehicle manufacturing
<b>53200</b> footballer	<b>92011</b> foreman/woman - petroleum, gas and chemical processing
<b>84100</b> footman/woman - underground mining	<b>72023</b> foreman/woman - railway transport
<b>92015</b> footwear finishing foreman/woman	<b>92015</b> foreman/woman - textile processing
<b>92013</b> footwear inspection foreman/woman - rubber manufacturing	<b>72021</b> foreman/woman, railway maintenance-of-way
<b>92013</b> footwear inspection supervisor - rubber products manufacturing	<b>21101</b> forensic chemist
<b>92015</b> footwear manufacturing foreman/woman	<b>22100</b> forensic examiner - alcohol
<b>95109</b> footwear manufacturing labourer	<b>22100</b> forensic handwriting expert
<b>95104</b> footwear moulding press feeder - rubber products manufacturing	<b>22100</b> forensic laboratory technician
	<b>31100</b> forensic pathologist



<b>53110</b> forensic photographer	<b>82010</b> forestry conservation contractor
<b>85103</b> forest assistant nursery	<b>22112</b> forestry conservation research technician
<b>21110</b> forest ecologist	<b>22112</b> forestry conservation research technologist
<b>41401</b> forest economist	<b>22112</b> forestry conservation technician
<b>21111</b> forest engineer	<b>22112</b> forestry conservation technologist
<b>22112</b> forest engineering technician	<b>84111</b> forestry conservation worker
<b>22112</b> forest engineering technologist	<b>22112</b> forestry crew coordinator
<b>22112</b> forest extension technician	<b>82010</b> forestry crew supervisor
<b>22112</b> forest fire officer	<b>84111</b> forestry crew worker
<b>22112</b> forest fire ranger	<b>84111</b> forestry crewman/woman
<b>22112</b> forest fire technician	<b>62100</b> forestry equipment sales representative
<b>84111</b> forest firefighter	<b>22112</b> forestry extension technician
<b>22112</b> forest firefighting crew leader	<b>82010</b> forestry foreman/woman
<b>22112</b> forest inventory resource officer	<b>85120</b> forestry labourer
<b>21111</b> forest nursery forester	<b>62100</b> forestry machinery sales representative
<b>85103</b> forest nursery labourer	<b>80010</b> forestry operations manager
<b>82010</b> forest operations supervisor	<b>72600</b> forestry patrol pilot
<b>21110</b> forest pathologist	<b>40011</b> forestry policy director - government services
<b>22112</b> forest planning technician	<b>41200</b> forestry professor - university
<b>92014</b> forest products processing supervisor	<b>40011</b> forestry programs manager - government services
<b>72999</b> forest products saw filer	<b>82010</b> forestry supervisor
<b>22100</b> forest products technologist	<b>22112</b> forestry technician supervisor
<b>22112</b> forest protection coordinator	<b>22112</b> forestry technician
<b>22113</b> forest ranger - wildlife management	<b>22112</b> forestry technologist
<b>22112</b> forest regional inventory technician	<b>84111</b> forestry worker - logging
<b>22112</b> forest research technologist	<b>84111</b> forestry worker
<b>40011</b> forest resource analysis chief - government services	<b>72400</b> forge equipment repairer
<b>22112</b> forest resource management technician	<b>95101</b> forge helper
<b>22112</b> forest resource technician	<b>94105</b> forge manipulator operator
<b>41401</b> forest resources economist	<b>92023</b> forge shop foreman/woman - metal products manufacturing
<b>73400</b> forest road machine operator	<b>72400</b> forge shop machinery mechanic
<b>72600</b> forest spray pilot	<b>72400</b> forge shop machinery repairer
<b>22112</b> forest survey technician	<b>95101</b> forger helper
<b>22112</b> forest technician	<b>92023</b> forgers foreman/woman - metal products manufacturing
<b>84110</b> forest worker - logging	<b>94105</b> forging air hammer operator
<b>21111</b> forester	<b>72101</b> forging die finisher
<b>80010</b> forestry and logging manager	<b>72101</b> forging die maker
<b>22112</b> forestry conservation and preservation technician	<b>94105</b> forging machine operator group leader
<b>22112</b> forestry conservation and preservation technologist	<b>94105</b> forging machine operator

<b>94105</b> forging machine operators lead hand	<b>83110</b> forwarder operator - logging
<b>94105</b> forging machine setter	<b>51101</b> fossil conservator
<b>94105</b> forging machine set-up man/woman	<b>51101</b> fossil curator
<b>94105</b> forging press operator	<b>53100</b> fossil recovery and reparation technician
<b>94105</b> forging press tender	<b>44100</b> foster father
<b>94105</b> forging roll operator	<b>44100</b> foster mother
<b>22230</b> forging tester	<b>44100</b> foster parent
<b>92023</b> forging-machine operator foreman/woman	<b>75110</b> foundation dampproofing helper
<b>72423</b> forklift mechanic	<b>73402</b> foundation drill operator - construction
<b>75101</b> forklift operator	<b>75110</b> foundation drill operator helper
<b>75101</b> forklift truck operator	<b>73402</b> foundation drill operator
<b>72310</b> form builder - carpentry	<b>21300</b> foundation engineer
<b>72013</b> form builders foreman/woman	<b>94133</b> foundation garments inspector
<b>72310</b> form carpenter	<b>22300</b> foundation technologist
<b>52120</b> form layout designer	<b>75110</b> foundation waterproofer - construction
<b>75110</b> form remover - construction	<b>21322</b> foundry engineer
<b>75110</b> form stripper - construction	<b>92010</b> foundry foreman/woman
<b>65200</b> formal service waiter/waitress	<b>94101</b> foundry furnace operator
<b>84101</b> formation fracturing operator - oil field services	<b>95100</b> foundry helper - primary metal processing
<b>84101</b> formation fracturing operator	<b>22101</b> foundry laboratory technician
<b>14112</b> formatter operator - typesetting	<b>95100</b> foundry labourer
<b>94107</b> former, metal nuts	<b>90010</b> foundry manager
<b>94103</b> forming machine operator - concrete, clay and stone products	<b>95101</b> foundry mould finisher
<b>94105</b> forming machine operator - metal fabrication	<b>94101</b> foundry mouldmaker
<b>94105</b> forming press operator - metal fabrication	<b>94101</b> foundry pourer
<b>94105</b> forming roll set-up operator - metal fabrication	<b>94101</b> foundry sand mixer
<b>94105</b> forming roll tender - metal fabrication	<b>94104</b> foundry sand tester
<b>94205</b> forming room operator - electrical equipment manufacturing	<b>92010</b> foundry supervisor
<b>94102</b> forming-cutting operator - glass products	<b>95100</b> foundry worker - primary metal processing
<b>14301</b> forms control clerk	<b>94101</b> foundry worker
<b>52120</b> forms designer	<b>94219</b> fountain pen inspector
<b>11201</b> forms management analysts supervisor	<b>94219</b> fountain pen maker
<b>13100</b> forms management officer	<b>94121</b> fourdrinier machine operator - pulp and paper
<b>95104</b> formula weigher - rubber and plastic products manufacturing	<b>72603</b> fourth engineer - water transport
<b>22100</b> formulation technician	<b>94121</b> fourth hand - pulp and paper
<b>94110</b> formulations blender operator - chemical processing	<b>92100</b> fourth-class power engineer
<b>65229</b> fortune teller	<b>92100</b> fourth-class stationary engineer
<b>95109</b> forwarder - printing	<b>94219</b> foxer - footwear
	<b>94112</b> foxer - rubber goods
	<b>84101</b> frac driver - oil field services
	<b>93101</b> fractionator operator - petroleum

<b>93101</b> fractionator operator	<b>75101</b> freight car loader
<b>33109</b> fracture room attendant	<b>75101</b> freight car unloader
<b>82021</b> fracturing supervisor	<b>75211</b> freight car weigher
<b>94200</b> frame assembler - motor vehicle manufacturing	<b>14400</b> freight checker
<b>53100</b> frame fitter - museums and art galleries	<b>70020</b> freight company manager
<b>94107</b> frame machine operator, tents	<b>70020</b> freight division manager
<b>94210</b> frame maker - furniture manufacturing	<b>65329</b> freight elevator operator
<b>94210</b> frame moulding finisher - furniture manufacturing	<b>70020</b> freight forwarder
<b>94210</b> frame moulding painter - furniture manufacturing	<b>14400</b> freight forwarding clerk
<b>94130</b> frame spinner - textile manufacturing	<b>13201</b> freight forwarding logistician
<b>94124</b> frame table operator - woodworking	<b>70020</b> freight forwarding manager
<b>72205</b> frame wirer - telephone	<b>64101</b> freight forwarding services sales representative
<b>72205</b> frameman/woman - telecommunications	<b>12013</b> freight forwarding supervisor
<b>65320</b> framer - laundry and dry cleaning	<b>13201</b> freight forwarding technician
<b>53100</b> framer - museum and art gallery	<b>75101</b> freight handler (except air transport)
<b>75110</b> framer helper - construction	<b>72021</b> freight handling foreman/woman
<b>72310</b> framer-carpenter	<b>75101</b> freight loader (except air transport)
<b>72013</b> framers foreman/woman	<b>72021</b> freight loading foreman/woman
<b>72310</b> framing carpenter	<b>14400</b> freight receiver clerk
<b>64100</b> framing sales consultant - retail	<b>14400</b> freight receiver
<b>53100</b> framing technician	<b>14400</b> freight receiving clerk
<b>94124</b> frazer - woodworking	<b>64101</b> freight sales agent
<b>94124</b> frazing machine operator - woodworking	<b>64101</b> freight services sales representative
<b>13100</b> freedom of information officer	<b>14400</b> freight shipper
<b>52114</b> freelance announcer	<b>12013</b> freight supervisor
<b>94112</b> freeze tumbler tender - rubber products manufacturing	<b>72021</b> freight terminal foreman/woman
<b>94140</b> freeze-dry food processor	<b>64101</b> freight traffic agent
<b>94140</b> freezer operator - food and beverage processing	<b>13201</b> freight traffic coordinator
<b>95106</b> freezer worker - food and beverage processing	<b>70020</b> freight traffic manager
<b>95106</b> freezing worker - food and beverage processing	<b>12013</b> freight traffic scheduling supervisor
<b>12201</b> freight adjuster - insurance	<b>12013</b> freight traffic supervisor
<b>64313</b> freight agent - railway	<b>73311</b> freight train brakeman/woman
<b>64313</b> freight agent (except airline)	<b>73311</b> freight train conductor
<b>74202</b> freight attendant - air transport	<b>73310</b> freight train engineer
<b>75211</b> freight car checker - railway	<b>72023</b> freight train road foreman/woman
<b>65311</b> freight car cleaner	<b>73300</b> freight truck driver
<b>74200</b> freight car distributor - railway yard	<b>75101</b> freight unloader (except air transport)
<b>22231</b> freight car inspector	<b>14200</b> freight-rate clerk
	<b>14200</b> freight-rate revision clerk
	<b>41221</b> French as a second language elementary school teacher

<b>41221</b> French as a second language teacher - elementary school	<b>62101</b> fruit buyer
<b>41220</b> French as a second language teacher - secondary school	<b>94140</b> fruit cooker - food and beverage processing
<b>41210</b> French as a second language teacher (except elementary, high school or university)	<b>85101</b> fruit examiner - harvesting
<b>51110</b> French editor	<b>82030</b> fruit farm foreman/woman
<b>41221</b> French immersion teacher - elementary school	<b>85101</b> fruit farm labourer
<b>41200</b> French language professor - university	<b>80020</b> fruit farm operator
<b>63202</b> French pastry baker - retail	<b>85101</b> fruit farm worker
<b>41221</b> French teacher - elementary school	<b>80020</b> fruit farmer
<b>41220</b> French teacher - secondary school	<b>92012</b> fruit grading foreman/woman
<b>64322</b> freshwater angling guide	<b>80020</b> fruit grower
<b>94122</b> friction paint machine tender - paper converting	<b>85101</b> fruit harvest worker
<b>64314</b> front desk agent	<b>85101</b> fruit harvester
<b>65100</b> front desk cashier	<b>85101</b> fruit harvesting labourer
<b>14101</b> front desk clerk (except hotel)	<b>22111</b> fruit inspector
<b>64314</b> front desk hotel clerk	<b>94140</b> fruit mixer - food and beverage processing
<b>60031</b> front desk hotel manager	<b>85101</b> fruit or vegetable picker
<b>60031</b> front desk manager - accommodation services	<b>85101</b> fruit packer - farm
<b>73400</b> front end loader operator	<b>95106</b> fruit peeler - food and beverage processing
<b>60020</b> front end manager - retail	<b>85101</b> fruit picker
<b>62010</b> front end supervisor - retail	<b>95106</b> fruit preparer - food and beverage processing
<b>72011</b> front line supervisor - power line maintenance	<b>94140</b> fruit preserver - food and beverage processing
<b>64314</b> front office hotel clerk	<b>94140</b> fruit press tender - food and beverage processing
<b>73311</b> front-end brakeman/woman	<b>94140</b> fruit presser
<b>72410</b> front-end mechanic	<b>80020</b> fruit producer
<b>21234</b> front-end web developer	<b>64100</b> fruit seller
<b>94140</b> frosting maker - food and beverage processing	<b>85101</b> fruit sorter - farm
<b>94140</b> frosting mixer - food and beverage processing	<b>95106</b> fruit splitter
<b>94142</b> frozen fish cutter - fish processing	<b>85101</b> fruit tree pruner
<b>95106</b> frozen food packer	<b>85101</b> fruit tree thinner
<b>95106</b> frozen meat cutter helper	<b>92012</b> fruit-and-vegetable canning, preserving and packing workers foreman/woman
<b>94140</b> frozen stick novelty maker - food and beverage processing	<b>60020</b> fruits and vegetables manager - retail
<b>94140</b> frozen-dough-baking machine tender	<b>94140</b> fry cook - food and beverage processing
<b>95106</b> fruit and vegetable cleaner - food and beverage processing	<b>85102</b> fry marker - fishing
<b>94143</b> fruit and vegetable grader - food and beverage processing	<b>85102</b> fry marker
<b>22111</b> fruit and vegetable inspection centre supervisor	<b>85102</b> fry tagger
<b>94140</b> fruit and vegetable machine operator	<b>94140</b> fryer operator - food and beverage processing
<b>22111</b> fruit and vegetables inspector	<b>72410</b> fuel and electrical systems technician - motor vehicle
	<b>75211</b> fuel and sand operator - railway transport
	<b>90011</b> fuel distribution manager

<b>94219</b> fuel filter assembler	<b>60040</b> fur cleaning plant manager
<b>93101</b> fuel gas treater	<b>62029</b> fur cleaning supervisor
<b>72401</b> fuel injection unit servicer - diesel	<b>95105</b> fur cutter
<b>94129</b> fuel log maker - wood processing	<b>53123</b> fur designer
<b>73300</b> fuel oil truck driver	<b>94130</b> fur dresser - hide and pelt processing
<b>94204</b> fuel pump assembler	<b>92015</b> fur dressing foreman/woman - hide and pelt processing
<b>94219</b> fuel rod assembler	<b>92015</b> fur dressing foreman/woman
<b>94112</b> fuel tank form builder	<b>92015</b> fur dressing supervisor
<b>22100</b> fuel technician	<b>85100</b> fur farm worker
<b>75211</b> fuel truck driver helper	<b>80020</b> fur farmer
<b>21320</b> fuels engineer	<b>85100</b> fur farming worker
<b>65102</b> fulfillment associate	<b>94130</b> fur floor worker - hide and pelt processing
<b>41200</b> full professor - university	<b>53125</b> fur garment patternmaker
<b>21234</b> full stack web developer	<b>65320</b> fur glazer - laundry and dry cleaning
<b>94130</b> fuller - textile manufacturing	<b>94132</b> fur goods sewer
<b>94130</b> fulling machine operator - textile manufacturing	<b>94133</b> fur grader
<b>94130</b> fulling mill operator - textile manufacturing	<b>92015</b> fur hatmaking department foreman/woman
<b>94100</b> fume scrubber operator	<b>65320</b> fur ironer - laundry and dry cleaning
<b>73202</b> fumigator	<b>65320</b> fur ironer glazer - laundry and dry cleaning
<b>65211</b> fun house operator	<b>65320</b> fur ironing machine operator - laundry and dry cleaning
<b>21221</b> functional consultant - information systems	<b>65320</b> fur lining presser - laundry and dry cleaning
<b>11202</b> fundraiser	<b>65320</b> fur lusterizer - laundry and dry cleaning
<b>11202</b> fundraising campaign consultant	<b>94133</b> fur matcher - fur products manufacturing
<b>10022</b> fundraising campaign manager	<b>94130</b> fur mixer
<b>11202</b> fundraising campaign organizer	<b>53125</b> fur patternmaker
<b>11202</b> fundraising consultant	<b>94130</b> fur pelt dresser - hide and pelt processing
<b>11202</b> fundraising organizer	<b>94130</b> fur plucker - hide and pelt processing
<b>75200</b> funeral chauffeur	<b>92015</b> fur products manufacturing foreman/woman
<b>62201</b> funeral director	<b>53125</b> fur products patternmaker
<b>75200</b> funeral driver	<b>85100</b> fur ranch labourer
<b>65329</b> funeral home attendant	<b>64200</b> fur remodeller
<b>62201</b> funeral home director	<b>64200</b> fur repair estimator
<b>62201</b> funeral services director	<b>64200</b> fur repairman/woman
<b>00014</b> funeral services general manager	<b>64100</b> fur salesperson - retail
<b>94201</b> funnel coater - electronic equipment manufacturing	<b>94132</b> fur sewer
<b>94130</b> fur blender	<b>94132</b> fur sewing machine operator
<b>94219</b> fur blocker	<b>94133</b> fur sorter
<b>94130</b> fur blower - textile manufacturing	<b>65320</b> fur steamer
<b>62101</b> fur buyer	<b>65329</b> fur storage attendant

<b>64200</b> fur tailor	<b>94210</b> furniture and fixtures inspector - furniture manufacturing
<b>64101</b> fur trader	<b>94210</b> furniture and fixtures manufacturing inspector
<b>85104</b> fur trapper	<b>92022</b> furniture and fixtures manufacturing supervisor
<b>65329</b> fur vault custodian	<b>12102</b> furniture and furnishings purchaser
<b>80020</b> fur-bearing-animal farmer	<b>51101</b> furniture and wooden objects conservator
<b>65320</b> fur-drummer machine operator - laundry and dry cleaning	<b>12203</b> furniture appraiser
<b>92100</b> furnace boiler operator	<b>94210</b> furniture assembler
<b>72106</b> furnace brazer	<b>94210</b> furniture assembly final inspector
<b>95100</b> furnace cleaner - primary metal and mineral products processing	<b>92022</b> furniture assembly foreman/woman - furniture and fixtures manufacturing
<b>65311</b> furnace cleaner	<b>92022</b> furniture assembly foreman/woman
<b>94104</b> furnace combustion tester - primary metal processing	<b>94210</b> furniture assembly inspector - furniture manufacturing
<b>72302</b> furnace converter	<b>94210</b> furniture buffer - furniture finishing
<b>94110</b> furnace cooler - chemical processing	<b>72311</b> furniture cabinetmaker
<b>94202</b> furnace electrode inspector	<b>94210</b> furniture caner
<b>95100</b> furnace feeder - primary metal and mineral products processing	<b>94210</b> furniture checker
<b>95100</b> furnace helper	<b>92022</b> furniture components sanding department foreman/woman
<b>72420</b> furnace installer and repairer (except gas)	<b>95109</b> furniture crater
<b>72020</b> furnace installers foreman/woman	<b>22211</b> furniture designer
<b>72320</b> furnace lining bricklayer	<b>94210</b> furniture enameller
<b>95100</b> furnace loader - primary metal and mineral products processing	<b>90010</b> furniture factory manager
<b>72420</b> furnace maintenance mechanic (except gas)	<b>94210</b> furniture finisher and repairer
<b>72420</b> furnace mechanic (except gas)	<b>94210</b> furniture finisher
<b>92010</b> furnace operations foreman/woman - primary metal and mineral products processing	<b>92022</b> furniture finishers foreman/woman - furniture and fixtures manufacturing
<b>94101</b> furnace operator - foundry	<b>92022</b> furniture finishers supervisor
<b>93100</b> furnace operator - primary metal and mineral products processing	<b>94210</b> furniture finishing decorator
<b>72420</b> furnace repairer (except gas)	<b>92022</b> furniture finishing foreman/woman - furniture and fixtures manufacturing
<b>75119</b> furnace repairer helper	<b>94210</b> furniture finishing inspector
<b>72420</b> furnace repairman/woman (except gas)	<b>94210</b> furniture finishing varnisher
<b>95100</b> furnace skimmer - primary metal and mineral products processing	<b>94210</b> furniture fitter-up - furniture manufacturing
<b>72106</b> furnace solderer	<b>92022</b> furniture gluers foreman/woman - furniture and fixtures manufacturing
<b>95100</b> furnace tapper - primary metal processing	<b>94210</b> furniture inspector
<b>64100</b> furniture and appliances salesperson - retail	<b>92022</b> furniture inspectors foreman/woman
<b>94210</b> furniture and fixtures assembler	<b>75101</b> furniture loader-unloader
<b>94210</b> furniture and fixtures assembling inspector	<b>95109</b> furniture manufacturing labourer
<b>94210</b> furniture and fixtures assembly inspector	<b>75211</b> furniture mover helper
	<b>75101</b> furniture mover

<b>95109</b> furniture packer	<b>64321</b> gambling table operator
<b>95109</b> furniture panel coverer - furniture assembly	<b>95106</b> gambreler - food and beverage processing
<b>94210</b> furniture parts inspector	<b>65211</b> game booth operator
<b>94210</b> furniture polisher - furniture finishing	<b>65211</b> game concession operator
<b>94210</b> furniture refinisher	<b>51113</b> game critic
<b>94210</b> furniture refinishing varnisher	<b>52120</b> game designer
<b>94210</b> furniture repairer	<b>22113</b> game officer
<b>94210</b> furniture reproducer	<b>52114</b> game show host/hostess
<b>64100</b> furniture sales consultant - retail	<b>85104</b> game trapper
<b>64100</b> furniture salesperson	<b>22113</b> game warden
<b>94210</b> furniture shipping inspector	<b>53200</b> gamer - video games
<b>94210</b> furniture stainer	<b>64321</b> gaming table dealer
<b>60020</b> furniture store manager	<b>64321</b> gaming table operator - casino
<b>94210</b> furniture stripper	<b>62022</b> gaming tables supervisor
<b>63221</b> furniture upholsterer	<b>74200</b> gandy dancer - railway
<b>94210</b> furniture varnisher	<b>94112</b> gang press operator - rubber products manufacturing
<b>95109</b> furrier shop labourer	<b>94124</b> gang rip saw operator - woodworking
<b>64200</b> furrier	<b>94120</b> gang sawyer - sawmill
<b>92015</b> furriers foreman/woman	<b>94103</b> gang sawyer - stone products manufacturing
<b>92015</b> furriers supervisor	<b>94124</b> gang sawyer - woodworking
<b>94130</b> fur-shaving machine tender - hide and pelt processing	<b>72500</b> gantry crane operator
<b>94130</b> furskin dresser - hide and pelt processing	<b>65329</b> garage attendant
<b>94110</b> fuse maker - chemical processing	<b>73200</b> garage door installer
<b>93200</b> fuselage assembler	<b>65329</b> garage jockey
<b>93200</b> fuselage fitter - aircraft assembly	<b>72410</b> garage mechanic
<b>10020</b> futures research manager	<b>72020</b> garage supervisor
<b>10020</b> futures research services manager	<b>43202</b> garbage collection inspector
<b>11103</b> futures trader	<b>74205</b> garbage collector - driver
<b>G</b>	<b>75212</b> garbage collector
<b>52119</b> gaffer	<b>75212</b> garbage receptacle maintainer
<b>65329</b> gallery attendant	<b>74205</b> garbage truck driver - public works
<b>95101</b> galvanizer helper	<b>74205</b> garbage truck driver
<b>94213</b> galvanizer	<b>75212</b> garbage truck loader
<b>92010</b> galvanizing foreman/woman - metal and mineral products processing	<b>62200</b> garde-manger chef
<b>92023</b> galvanizing foreman/woman	<b>60020</b> garden centre manager - retail
<b>94213</b> galvanizing machine operator	<b>94204</b> garden machinery assembler
<b>41301</b> gambling addictions counsellor	<b>64100</b> garden supplies sales clerk
<b>41301</b> gambling addictions therapist	<b>92023</b> garden tractor assembly foreman/woman
	<b>72429</b> garden tractor repairer
	<b>85121</b> gardener helper

<b>22114</b> gardener	<b>72421</b> gas appliance repairer - customer service
<b>85121</b> gardening helper	<b>72421</b> gas appliance repairer
<b>64200</b> garment alterationist	<b>72421</b> gas appliance servicer - customer service
<b>95109</b> garment and hosiery boner	<b>72421</b> gas appliance servicer
<b>95109</b> garment bagger - garment manufacturing	<b>65101</b> gas bar attendant (except self-service)
<b>94132</b> garment braid maker - garment manufacturing	<b>72106</b> gas brazer
<b>94132</b> garment braider - garment manufacturing	<b>13200</b> gas broker
<b>65320</b> garment cleaner - laundry and dry cleaning	<b>22100</b> gas chromatographer
<b>53123</b> garment designer	<b>93101</b> gas control coordinator
<b>65320</b> garment dyer - laundry and dry cleaning	<b>93101</b> gas control operator
<b>95109</b> garment factory labourer	<b>93101</b> gas controller
<b>94133</b> garment final inspector	<b>72302</b> gas customer servicer
<b>64200</b> garment fitter	<b>93101</b> gas dispatcher
<b>95109</b> garment folder - garment manufacturing	<b>92011</b> gas distribution foreman/woman
<b>95109</b> garment folder	<b>00015</b> gas distribution general manager
<b>95109</b> garment fringer - garment manufacturing	<b>90011</b> gas distribution manager
<b>94133</b> garment inspector	<b>80010</b> gas field operations manager
<b>94131</b> garment looper	<b>93101</b> gas field operator
<b>95109</b> garment manufacturing final assembler	<b>93101</b> gas field production operator
<b>92015</b> garment manufacturing foreman/woman	<b>92011</b> gas field supervisor
<b>94133</b> garment manufacturing inspector	<b>72421</b> gas fireplace servicer
<b>95105</b> garment marker	<b>72302</b> gas fitter apprentice
<b>95109</b> garment mender - garment manufacturing	<b>95102</b> gas fitter helper - utilities
<b>94132</b> garment mender - sewing	<b>72302</b> gas fitter trainee
<b>95109</b> garment notcher - garment manufacturing	<b>72302</b> gas fitter
<b>95109</b> garment packer - garment manufacturing	<b>72302</b> gas fitter-installer
<b>95109</b> garment parts sorter - garment manufacturing	<b>72012</b> gas fitters foreman/woman
<b>53125</b> garment patternmaker	<b>72012</b> gas fitters supervisor
<b>95109</b> garment plant labourer	<b>94204</b> gas furnace assembler
<b>65102</b> garment price marker	<b>65101</b> gas jockey
<b>64200</b> garment repair seamstress	<b>74204</b> gas leak inspector
<b>95109</b> garment ripper - garment manufacturing	<b>74204</b> gas leak locator
<b>64200</b> garment sample maker	<b>74204</b> gas leak surveyor
<b>95109</b> garment sorter - garment manufacturing	<b>72012</b> gas line fitters foreman/woman
<b>95109</b> garment steamer - garment manufacturing	<b>75110</b> gas line fuser
<b>94130</b> garment steamer tender	<b>93101</b> gas liquefaction and regasification plant operator
<b>95109</b> garment waterproofer - garment manufacturing	<b>72302</b> gas main fitter
<b>64100</b> garments and other textile products sales representative - retail	<b>74204</b> gas main leak inspector
<b>94130</b> garnett machine tender - textile manufacturing	<b>74204</b> gas main leak locator
<b>72106</b> gas and arc welder	<b>74204</b> gas main leakage tester



<b>74204</b> gas main maintenance and repairman/woman	<b>95102</b> gasoline catalyst operator helper
<b>74204</b> gas maintenance worker	<b>93101</b> gasoline catalyst operator
<b>94219</b> gas meter assembler	<b>94204</b> gasoline engine assembler
<b>74204</b> gas meter installer	<b>94204</b> gasoline pump calibrator
<b>75119</b> gas meter repairer helper	<b>94204</b> gasoline pump tester
<b>73209</b> gas meter repairer	<b>73300</b> gasoline truck operator
<b>73209</b> gas meter servicer	<b>72429</b> gasoline-powered lawn mower mechanic
<b>73209</b> gas meter tester	<b>72429</b> gasoline-powered lawn mower repairer
<b>75110</b> gas pipe fuser	<b>72429</b> gasoline-powered snow blower repairer
<b>72302</b> gas pipe mechanic	<b>72429</b> gas-powered small equipment mechanic
<b>72302</b> gas pipefitter	<b>72106</b> gas-shielded arc welder
<b>75110</b> gas pipelayer - construction	<b>72106</b> gas-shielded arc welding machine operator
<b>93101</b> gas pipeline operator	<b>93101</b> gas-treating unit operator
<b>92011</b> gas plant foreman/woman	<b>31100</b> gastroenterologist
<b>93101</b> gas plant operator	<b>75211</b> gateman/woman - railway transport
<b>93101</b> gas pressure regulator	<b>64410</b> gateman/woman
<b>93101</b> gas processing compressor operator	<b>94102</b> gatherer - glass products manufacturing
<b>93101</b> gas processing controller	<b>95109</b> gathering machine feeder - printing
<b>93101</b> gas recovery operator	<b>94152</b> gathering machine operator - printing
<b>74204</b> gas regulator	<b>94152</b> gathering machine set-up operator - printing
<b>14404</b> gas service crew dispatcher	<b>72101</b> gauge maker - tool and die
<b>72012</b> gas service foreman/woman	<b>94143</b> gauger - wineries
<b>72012</b> gas service supervisor	<b>94219</b> gauze pad machine tender
<b>72302</b> gas servicer	<b>94106</b> gear cutter
<b>65101</b> gas station attendant (except self-serve)	<b>94106</b> gear grinder
<b>60020</b> gas station manager	<b>72100</b> gear inspector-machinist
<b>72421</b> gas stove repairer	<b>72100</b> gear tester-machinist
<b>90011</b> gas supply manager	<b>94204</b> gear train assembler
<b>90011</b> gas supply operations manager	<b>94204</b> gearbox assembler
<b>72302</b> gas technician	<b>94204</b> gearcase assembler
<b>83101</b> gas tester - oil field services	<b>94204</b> gearcase tester
<b>92011</b> gas transmission supervisor	<b>94106</b> gear-hob-milling machine set-up operator
<b>72404</b> gas turbine engine mechanic	<b>94106</b> gear-lapping machine operator
<b>72400</b> gas turbine machinery industrial mechanic	<b>94106</b> gear-milling machine set-up operator
<b>72400</b> gas turbine repairer	<b>94106</b> gear-rolling machine operator
<b>95102</b> gas utility labourer	<b>94106</b> gear-shaper operator
<b>74204</b> gas utility operator	<b>94111</b> gel coat sprayer operator - plastic manufacturing
<b>21301</b> gas utilization mechanical engineer	<b>94140</b> gelatin evaporator filter operator
<b>72106</b> gas welder	<b>94140</b> gelatin extractor tender
<b>72302</b> gas works troubleshooter	<b>94140</b> gelatin powder mixer
<b>95102</b> gasket coater	

<b>95106</b> gelatin stock cooker attendant	<b>00015</b> general manager - goods production, utilities, transportation and construction
<b>94140</b> gelatin stock maker	<b>00011</b> general manager - government services
<b>94140</b> gelatin-blending machine tender	<b>00013</b> general manager - health, education, social and community services and membership organizations
<b>62202</b> gem cutter	<b>00012</b> general manager - real estate management company
<b>62202</b> gem expert	<b>14100</b> general office clerk
<b>62202</b> gem setter	<b>12010</b> general office clerks supervisor
<b>62202</b> gemologist	<b>14100</b> general office worker
<b>41409</b> genealogist	<b>31100</b> general pathologist
<b>11100</b> general accountant	<b>31110</b> general practice dentist
<b>41210</b> general and vocational college (CEGEP) teacher	<b>31102</b> general practice intern
<b>94201</b> general assembler and light machine operator - electronic equipment manufacturing	<b>31102</b> general practice physician
<b>92020</b> general assembly supervisor - motor vehicle manufacturing	<b>31102</b> general practice resident
<b>72013</b> general carpenters foreman/woman	<b>31102</b> general practitioner (GP)
<b>72021</b> general construction foreman/woman	<b>94200</b> general repairer and adjuster - motor vehicle manufacturing
<b>75110</b> general construction labourer	<b>00011</b> general secretary - government services
<b>72021</b> general construction supervisor	<b>41101</b> general solicitor
<b>70010</b> general contractor	<b>60020</b> general store manager
<b>41101</b> general counsel	<b>72013</b> general supervisor - building construction
<b>22212</b> general draftsman	<b>72013</b> general supervisor - residential construction
<b>31301</b> general duty nurse - psychiatry	<b>31101</b> general surgeon - Canadian Armed Forces
<b>31301</b> general duty nurse	<b>31101</b> general surgeon
<b>41401</b> general economist	<b>70020</b> general traffic manager - transportation
<b>85101</b> general farm worker - harvesting	<b>70020</b> general transportation manager
<b>85100</b> general farm worker - livestock	<b>72106</b> general welder
<b>72013</b> general foreman/woman - building construction	<b>40042</b> general
<b>82020</b> general foreman/woman - mining	<b>72105</b> generalist steel structure erector
<b>72013</b> general foreman/woman - residential construction	<b>92100</b> generating station main operator
<b>95109</b> general helper - small electrical appliance assembly	<b>92100</b> generating station operator - electrical power systems
<b>63100</b> general insurance representative	<b>92100</b> generating station operator
<b>95109</b> general labourer - electrical equipment assembly	<b>92100</b> generating station switchboard operator
<b>95109</b> general labourer - light-fixture assembly	<b>92100</b> generation substation operator - electrical power systems
<b>95109</b> general labourer - manufacturing	<b>72422</b> generator repairer
<b>75212</b> general labourer - public works	<b>72422</b> generator repairman/woman
<b>94106</b> general machine tool set-up operator	<b>94203</b> generator tester - industrial electrical equipment
<b>72100</b> general machinist	<b>31303</b> genetic counsellor
<b>00012</b> general manager - financial, communications and other business services	<b>31100</b> geneticist - medical specialist

<b>21110</b> geneticist	<b>22213</b> geomatics technician - land surveying
<b>20011</b> geochemical manager	<b>22214</b> geomatics technician - photogrammetry
<b>22100</b> geochemical technician	<b>22214</b> geomatics technician - remote sensing
<b>22100</b> geochemical technologist	<b>22214</b> geomatics technologist - aerial surveys
<b>21102</b> geochemist	<b>22214</b> geomatics technologist - cartography
<b>21102</b> geodesist	<b>22214</b> geomatics technologist - geographical information systems (GIS)
<b>21300</b> geodetic engineer	<b>22213</b> geomatics technologist - land surveying
<b>22213</b> geodetic survey technician	<b>22214</b> geomatics technologist - photogrammetry
<b>22213</b> geodetic survey technologist	<b>22214</b> geomatics technologist - remote sensing
<b>41409</b> geographer	<b>41220</b> geometry teacher - secondary school
<b>22214</b> geographic information systems (GIS) technician	<b>21102</b> geomorphologist
<b>22214</b> geographic information systems (GIS) technologist	<b>22101</b> geophysical data technician
<b>41200</b> geography department chairman/woman - university	<b>22212</b> geophysical draftsman
<b>41200</b> geography department chairperson - university	<b>21331</b> geophysical engineer
<b>41200</b> geography department head - university	<b>94201</b> geophysical instrument assembler - electronic equipment manufacturing
<b>41200</b> geography professor - university	<b>20011</b> geophysical manager
<b>41220</b> geography teacher - secondary school	<b>22101</b> geophysical observer
<b>22212</b> geological draftsman	<b>22101</b> geophysical prospecting technologist
<b>21331</b> geological engineer	<b>22101</b> geophysical survey technician
<b>22101</b> geological engineering technician	<b>22101</b> geophysical survey technologist
<b>22101</b> geological engineering technologist	<b>22101</b> geophysical technician
<b>22214</b> geological information system technician	<b>22101</b> geophysical technologist
<b>22214</b> geological information system technologist	<b>21102</b> geophysicist
<b>20011</b> geological manager	<b>41200</b> geophysics professor - university
<b>22214</b> geological mapping technician	<b>21331</b> geotechnical engineer
<b>21102</b> geological oceanographer	<b>20010</b> geotechnical engineering manager
<b>22101</b> geological prospecting technologist	<b>22101</b> geotechnician
<b>22101</b> geological survey technician	<b>90011</b> geothermal power plant operations manager
<b>22101</b> geological technician	<b>90011</b> geothermal production manager
<b>22101</b> geological technologist	<b>41406</b> geriatric activities coordinator
<b>21102</b> geologist	<b>33102</b> geriatric aide
<b>41200</b> geology professor - university	<b>31301</b> geriatric care nurse
<b>22101</b> geology technical assistant	<b>33102</b> geriatric health care attendant
<b>21300</b> geomatics engineer	<b>31100</b> geriatric medicine specialist
<b>22214</b> geomatics technician - aerial surveys	<b>31302</b> geriatric nurse practitioner
<b>22214</b> geomatics technician - Canadian Armed Forces	<b>31301</b> geriatric nurse
<b>22214</b> geomatics technician - cartography	<b>31300</b> geriatric nursing supervisor
<b>22214</b> geomatics technician - geographical information systems (GIS)	<b>41406</b> geriatric recreational and leisure activities consultant

<b>41406</b> geriatric recreational and leisure activities coordinator	<b>92010</b> glass cutting foreman/woman
<b>41406</b> geriatric recreational and leisure activities counsellor	<b>94102</b> glass drill operator
<b>41300</b> geriatric social worker	<b>94102</b> glass drill tender
<b>31100</b> geriatrician	<b>94102</b> glass edger operator
<b>31100</b> geriatrist	<b>94102</b> glass edger tender
<b>94140</b> germ separator - food and beverage processing	<b>94102</b> glass edger
<b>94140</b> germ separator operator - food and beverage processing	<b>53124</b> glass engraver
<b>41220</b> German teacher - secondary school	<b>92010</b> glass engraving foreman/woman
<b>41409</b> gerontologist	<b>94102</b> glass etcher
<b>31301</b> gerontology nurse	<b>94130</b> glass fibre dyer - textile manufacturing
<b>51111</b> ghost writer	<b>94102</b> glass finisher
<b>64100</b> gift shop clerk	<b>92010</b> glass forming foreman/woman
<b>60020</b> gift shop manager	<b>94102</b> glass forming operator
<b>94130</b> gig machine operator - textile manufacturing	<b>94102</b> glass forming specialist
<b>83121</b> gill net fisherman/woman	<b>92010</b> glass furnace foreman/woman
<b>84121</b> gillnetter deckhand	<b>94102</b> glass furnace operator
<b>83121</b> gillnetter skipper	<b>94102</b> glass furnace setter-operator
<b>80020</b> ginseng grower	<b>94102</b> glass furnace set-up operator
<b>21102</b> glaciologist	<b>94102</b> glass grinder
<b>73111</b> glass and metal mechanic	<b>94102</b> glass heater
<b>94102</b> glass bender	<b>94104</b> glass inspector
<b>94102</b> glass beveller operator	<b>72014</b> glass installation and repair contractor
<b>94102</b> glass beveller tender	<b>72014</b> glass installation foreman/woman
<b>94102</b> glass beveller	<b>73111</b> glass installer-glazier
<b>53124</b> glass blower	<b>72014</b> glass installers foreman/woman
<b>94102</b> glass bonding machine operator	<b>94102</b> glass laminator
<b>94102</b> glass breaker	<b>94102</b> glass lathe operator
<b>94102</b> glass buffer	<b>94102</b> glass Lehr attendant
<b>72999</b> glass calibrator	<b>94102</b> glass Lehr operator
<b>21101</b> glass chemist	<b>94102</b> glass Lehr tender
<b>94102</b> glass chipper	<b>94102</b> glass marker
<b>65311</b> glass cleaner	<b>94102</b> glass melter
<b>94104</b> glass container tester	<b>94102</b> glass mixer
<b>94102</b> glass cut-off machine operator	<b>94102</b> glass mould cleaner
<b>75101</b> glass cut-off machine unloader	<b>94102</b> glass mould polisher
<b>94102</b> glass cutter operator	<b>94102</b> glass moulder
<b>94102</b> glass cutter	<b>53124</b> glass novelty maker
<b>94102</b> glass cutter-framer	<b>95100</b> glass packer
<b>92010</b> glass cutters supervisor	<b>53124</b> glass painter
	<b>94102</b> glass polisher tender
	<b>94102</b> glass polisher

<b>94102</b> glass presser	<b>94102</b> glass-tempering furnace operator
<b>92010</b> glass processing foreman/woman	<b>94102</b> glass-tube-expander operator
<b>92010</b> glass products manufacturing foreman/woman	<b>94102</b> glassware grinder
<b>94104</b> glass quality control inspector	<b>94102</b> glassware-banding machine tender
<b>73111</b> glass setter - construction	<b>94102</b> glassware-decorating machine operator
<b>75110</b> glass setter helper	<b>94103</b> glaze maker - clay products
<b>94102</b> glass spin mould machine set-up operator	<b>94103</b> glazed products kilnman/woman - clay products
<b>94102</b> glass tank furnace operator	<b>73111</b> glazier and metal mechanic apprentice
<b>95100</b> glass tapper - mineral products processing	<b>73111</b> glazier and metal mechanic
<b>94102</b> glass temperer	<b>73111</b> glazier apprentice
<b>94104</b> glass tester	<b>75110</b> glazier helper
<b>73111</b> glass wall installer	<b>72014</b> glazier supervisor
<b>73111</b> glass wallcovering installer	<b>73111</b> glazier
<b>94102</b> glass windshield autoclave operator	<b>72014</b> glazier-contractor
<b>73111</b> glass worker - construction	<b>72014</b> glaziers foreman/woman
<b>94102</b> glass worker - glass products manufacturing	<b>72014</b> glazing contractor
<b>73111</b> glass worker apprentice	<b>72014</b> glazing supervisor
<b>75110</b> glass worker helper - construction	<b>41210</b> gliding instructor
<b>94102</b> glass-annealing furnace tender	<b>70020</b> global logistics manager
<b>94102</b> glass-blowing lathe operator	<b>94103</b> glost kiln operator - clay products
<b>94102</b> glass-blowing machine operator	<b>94133</b> glove and mitten examiner
<b>94102</b> glass-blowing machine setter	<b>95105</b> glove cutter
<b>94102</b> glass-coating line operator	<b>53123</b> glove designer
<b>94102</b> glass-decorating machine operator	<b>94131</b> glove knitter
<b>94102</b> glass-drawing machine operator	<b>95109</b> glove liner
<b>94102</b> glass-edging machine feeder	<b>92015</b> glove makers foreman/woman
<b>95109</b> glassfiber mat roller-packer	<b>92015</b> glove manufacturing foreman/woman
<b>94131</b> glass-fibre-bonding machine tender	<b>95109</b> glove pairer
<b>94102</b> glass-finishing machine operator	<b>94150</b> glove printer
<b>95100</b> glass-forming machine operator helper	<b>94132</b> glove stitcher
<b>94102</b> glass-forming machine operator	<b>95106</b> glucose transferrer - food and beverage processing
<b>94102</b> glass-forming machine setter	<b>94110</b> glue blender - chemical processing
<b>94102</b> glass-forming machine set-up person	<b>94110</b> glue blender
<b>92010</b> glass-grinders and glass-polishers foreman/woman	<b>94211</b> glue clamp operator - wood products manufacturing
<b>94102</b> glass-grinding machine feeder	<b>94124</b> glue jointer operator - woodworking
<b>94102</b> glass-pressing and glass-blowing machine operator	<b>94124</b> glue machine operator - woodworking
<b>94102</b> glass-pressing machine operator	<b>94124</b> glue machine tender - woodworking
<b>94102</b> glass-silvering machine operator	<b>94124</b> glue-bonding machine operator - woodworking
<b>94102</b> glass-stopper grinder	<b>94124</b> glue-bonding machine tender - woodworking

<b>94210</b> gluer - furniture manufacturing	<b>65211</b> golf range attendant
<b>94219</b> gluer - other products manufacturing	<b>95109</b> golf shoe spike installer
<b>94112</b> gluer - rubber products manufacturing	<b>53200</b> golfer
<b>94152</b> gluing and folding machine operator - printing	<b>65211</b> gondola operator
<b>92022</b> gluing foreman/woman - furniture and fixtures manufacturing	<b>12104</b> goods and services tax (GST) collection officer
<b>94112</b> gluing machine operator - rubber products manufacturing	<b>40011</b> goods and services tax (GST) manager
<b>95106</b> gluten settler - food and beverage processing	<b>51122</b> gospel singer
<b>93101</b> glycerine refiner	<b>42204</b> gospel worker
<b>93101</b> glycerine refinery operator	<b>43109</b> gourmet cooking instructor - non-vocational
<b>53202</b> goal judge	<b>44100</b> governess - child care
<b>80020</b> goat breeder	<b>40012</b> government administrator - education
<b>94204</b> go-kart assembler	<b>00011</b> government agency commissioner
<b>72423</b> go-kart repairer	<b>00011</b> government agency president
<b>65211</b> go-kart ride attendant	<b>00011</b> government agency senior administrator
<b>65211</b> go-kart track attendant	<b>21112</b> government agricultural service district representative
<b>22101</b> gold assayer	<b>21112</b> government agricultural service representative
<b>94152</b> gold leaf stamper - printing	<b>00010</b> government leader
<b>94152</b> gold leaf stamper	<b>41407</b> government official
<b>22101</b> gold prospector	<b>12102</b> government supply officer
<b>94100</b> gold recoverer	<b>00010</b> governor general
<b>53124</b> goldsmith	<b>73400</b> gradall operator
<b>94112</b> golf ball assembler	<b>41221</b> grade school teacher
<b>95104</b> golf ball inspector - rubber products manufacturing	<b>75110</b> grade tamper - construction
<b>94112</b> golf ball maker	<b>94143</b> grader - food and beverage processing
<b>94112</b> golf ball vulcanizer	<b>94121</b> grader - pulp and paper
<b>94219</b> golf club adjuster	<b>94133</b> grader - textiles
<b>94219</b> golf club assembler	<b>94123</b> grader - wood processing
<b>73209</b> golf club head adjuster	<b>72405</b> grader fitter
<b>94219</b> golf club inspector	<b>73400</b> grader operator
<b>73209</b> golf club repairer	<b>94123</b> grader tallyman/woman - wood processing
<b>95109</b> golf club weigher	<b>94121</b> graderman/woman - pulp and paper
<b>65211</b> golf course attendant	<b>72401</b> grading equipment mechanic
<b>85121</b> golf course labourer	<b>72021</b> grading equipment operators foreman/woman
<b>65211</b> golf course ranger	<b>41201</b> graduate assistant - university
<b>65211</b> golf course starter	<b>31301</b> graduate nurse - occupational health
<b>22114</b> golf course superintendent	<b>31301</b> graduate nurse - physician's office
<b>85121</b> golf course worker	<b>31301</b> graduate nurse
<b>54100</b> golf instructor	<b>32101</b> graduate nursing assistant
<b>53200</b> golf player	<b>31301</b> graduate private duty nurse
	<b>40020</b> graduate studies dean

<b>85101</b> grafter - orchard	<b>62100</b> grain sales representative
<b>80020</b> grain and oilseed farmer	<b>94140</b> grain sample miller
<b>80020</b> grain and oilseed grower	<b>94143</b> grain sampler - food and beverage processing
<b>80020</b> grain and oilseed producer	<b>70012</b> grain terminal elevator manager
<b>11103</b> grain broker - commodity trading	<b>11103</b> grain trader
<b>11103</b> grain broker	<b>10020</b> grain trading manager
<b>12102</b> grain buyer	<b>75101</b> grain weigher
<b>95106</b> grain cleaner helper	<b>94140</b> grain-cleaning machine operator - food and beverage processing
<b>94140</b> grain cleaner-dryer - food and beverage processing	<b>94210</b> grainer - furniture finishing and refinishing
<b>00011</b> grain commissioner	<b>94130</b> graining machine operator - tannery
<b>75101</b> grain conveyor operator	<b>94110</b> graining press operator - chemical processing
<b>94140</b> grain cooker - food and beverage processing	<b>92012</b> grain-milling team supervisor
<b>82030</b> grain crop foreman/woman	<b>94140</b> grain-processing machine operator
<b>84120</b> grain custom harvester	<b>94103</b> granite carver
<b>94140</b> grain dehydrator - food and beverage processing	<b>94103</b> granite cutter
<b>70012</b> grain elevator district manager	<b>94103</b> granite machine polisher
<b>72400</b> grain elevator maintenance mechanic	<b>94103</b> granite products polisher
<b>70012</b> grain elevator manager	<b>73101</b> granite setter
<b>75101</b> grain elevator operator	<b>41302</b> granthi
<b>85101</b> grain farm labourer	<b>94101</b> granular aluminum caster - foundry
<b>80020</b> grain farm manager	<b>94140</b> granulating machine tender - tobacco processing
<b>80020</b> grain farm operator	<b>94140</b> granulator - tobacco processing
<b>85101</b> grain farm worker	<b>94110</b> granulator machine operator - chemical processing
<b>80020</b> grain farmer	<b>94100</b> granulator operator - phosphate
<b>80020</b> grain grower	<b>94140</b> granulator tender - food and beverage processing
<b>75101</b> grain handler	<b>80020</b> grape grower
<b>22111</b> grain inspection supervisor	<b>80020</b> grape producer
<b>22111</b> grain inspector	<b>52120</b> graphic artist
<b>40011</b> grain market analysis chief	<b>52111</b> graphic arts assembler
<b>40011</b> grain market analysis manager - government services	<b>94151</b> graphic arts camera operator
<b>40011</b> grain market analysis manager	<b>52111</b> graphic arts copy stylist
<b>94140</b> grain meal processor - food and beverage processing	<b>62100</b> graphic arts equipment sales representative
<b>62100</b> grain merchandiser	<b>52111</b> graphic arts renderer
<b>94140</b> grain miller	<b>52120</b> graphic arts room supervisor
<b>94140</b> grain mixer - food and beverage processing	<b>64101</b> graphic arts sales representative
<b>80020</b> grain producer	<b>41210</b> graphic arts teacher
<b>14100</b> grain quotations board marker	<b>52111</b> graphic arts technician
<b>94140</b> grain roaster	<b>52120</b> graphic design and illustration animator

<b>10022</b> graphic design firm manager	<b>74203</b> greaser
<b>41210</b> graphic design instructor	<b>41220</b> Greek teacher - secondary school
<b>64101</b> graphic design sales representative	<b>52121</b> green design consultant - interior design
<b>52120</b> graphic designer - multimedia, interactive or new media	<b>94123</b> green lumber grader
<b>52120</b> graphic designer - multimedia	<b>95103</b> green sorter - wood processing
<b>52120</b> graphic designer and layout artist	<b>94112</b> green tire inspector
<b>52120</b> graphic designer	<b>94112</b> green tire lubricator
<b>21232</b> graphical user interface (GUI) designer	<b>94112</b> green tire repairer
<b>21232</b> graphical user interface (GUI) developer	<b>95103</b> green wood chainman/woman - wood processing
<b>21232</b> graphics programmer	<b>82031</b> greenhouse foreman/woman
<b>52111</b> graphics technician	<b>72014</b> greenhouse installers foreman/woman
<b>41409</b> graphoanalyst	<b>85103</b> greenhouse labourer
<b>41409</b> graphologist	<b>80021</b> greenhouse manager
<b>83110</b> grapple loader operator - logging	<b>80021</b> greenhouse operator
<b>83110</b> grapple operator - logging	<b>82031</b> greenhouse supervisor
<b>84110</b> grapple skidder operator	<b>82031</b> greenhouse worker crew chief
<b>82010</b> grapple yarder hook tender	<b>22114</b> greens superintendent
<b>83110</b> grapple yarder operator - logging	<b>85121</b> greens worker
<b>85121</b> grass cutter	<b>95103</b> greensaw offbearer - wood processing
<b>94140</b> grated cheese maker	<b>85121</b> greenskeeper helper
<b>85121</b> grave digger	<b>22114</b> greenskeeper
<b>94103</b> grave marker cutter - stone products	<b>94103</b> greenware driller - clay products
<b>94104</b> gravel grader - mineral products processing	<b>94103</b> greenware finisher - clay products
<b>73300</b> gravel hauler	<b>94103</b> greenware turner operator - clay products
<b>73110</b> gravel roofer	<b>64100</b> greeting cards sales clerk
<b>95100</b> gravel screener	<b>94133</b> greige-cloth examiner
<b>73300</b> gravel truck driver	<b>94201</b> grid gauger - electronic equipment manufacturing
<b>22101</b> gravity data technician	<b>94202</b> grid inspector - electrical equipment manufacturing
<b>85111</b> gravity prospecting observer helper	<b>94201</b> grid inspector - electronic equipment manufacturing
<b>73401</b> gravure press operator	<b>94107</b> grid machine job setter
<b>72022</b> gravure press operators foreman/woman	<b>94201</b> grid operator - electronic equipment manufacturing
<b>73401</b> gravure pressman/woman	<b>94101</b> grid-caster operator - foundry
<b>94151</b> gravure printer - prepress	<b>41301</b> grief counsellor
<b>73401</b> gravure printer - printing	<b>63200</b> grill cook
<b>72022</b> gravure printers foreman/woman	<b>94103</b> grinder - concrete, clay and stone products
<b>73401</b> gravure printing press operator	<b>95101</b> grinder - metal products manufacturing
<b>73401</b> gravure proof press operator - printing	<b>94100</b> grinder and classifier tender
<b>73401</b> gravure proof puller - printing	
<b>73401</b> gravure proof wallpaper puller	
<b>93101</b> grease maker	



<b>95101</b> grinder and sharpener - metal products manufacturing	<b>94124</b> groover operator - woodworking
<b>95103</b> grinder feeder - pulp and paper	<b>73400</b> grooving machine operator - heavy equipment
<b>94121</b> grinder loader - pulp and paper	<b>94124</b> grooving machine operator - woodworking
<b>94111</b> grinder operator - plastic manufacturing	<b>94106</b> grooving machine set-up operator - metal machining
<b>94121</b> grinder operator - pulp and paper	<b>72020</b> ground crew foreman/woman - aircraft maintenance
<b>94112</b> grinder operator - rubber products manufacturing	<b>75119</b> ground hand - telecommunications
<b>94106</b> grinder set-up operator - metal machining	<b>41210</b> ground school instructor
<b>94110</b> grinder tender - chemical processing	<b>72024</b> ground transit inspector - public transit
<b>95101</b> grinder-chipper - metal products manufacturing	<b>75119</b> ground worker - power lines
<b>95101</b> grinder-deburrer - metal products manufacturing	<b>75119</b> ground worker - telecommunications
<b>95101</b> grinder-deburrer	<b>85121</b> grounds maintainer
<b>95101</b> grinder-dresser - metal products manufacturing	<b>82031</b> grounds maintenance contractor
<b>94121</b> grinderman/woman - pulp and paper	<b>85121</b> grounds maintenance labourer
<b>95101</b> grinder-trimmer - metal products manufacturing	<b>82031</b> grounds maintenance park supervisor
<b>94100</b> grinding and flotation tender	<b>82031</b> grounds maintenance supervisor
<b>92011</b> grinding and packing foreman/woman - chemical processing	<b>85121</b> grounds maintenance worker
<b>94103</b> grinding stone sharpener	<b>82031</b> groundskeeper supervisor
<b>94103</b> grinding wheel dresser	<b>85121</b> groundskeeper
<b>53111</b> grip	<b>82031</b> groundskeeping foreman/woman
<b>94140</b> grist mill operator - food and beverage processing	<b>82031</b> groundskeeping supervisor - cemetery
<b>85110</b> grizzly worker - underground mining	<b>82031</b> groundskeeping supervisor
<b>60020</b> grocer	<b>82031</b> groundsman/woman supervisor
<b>75201</b> groceries deliverer	<b>85121</b> groundsman/woman
<b>73300</b> groceries long haul driver	<b>85121</b> groundsperson - campground
<b>62010</b> grocery clerk supervisor	<b>82031</b> groundsperson supervisor - campground
<b>65102</b> grocery clerk	<b>21102</b> groundwater geologist
<b>65102</b> grocery packer	<b>22101</b> groundwater technologist
<b>63202</b> grocery store baker	<b>10010</b> group accounting manager
<b>63201</b> grocery store butcher	<b>53120</b> group dance teacher
<b>65100</b> grocery store cashier	<b>53120</b> group dancer
<b>65100</b> groceteria cashier	<b>41301</b> group home counsellor
<b>85100</b> groom - farm	<b>40030</b> group home manager
<b>65220</b> groom - horse race track	<b>42201</b> group home operator
<b>94102</b> groove grinder - glass	<b>42201</b> group home worker
<b>73400</b> groove-cutting machine operator	<b>14201</b> group insurance clerk
<b>94124</b> groover - woodworking	<b>63100</b> group insurance representative
<b>95109</b> groover and turner - shoe manufacturing	<b>12201</b> group life claims examiner - insurance
	<b>41300</b> group social worker
	<b>64101</b> group travel sales representative

**12202** group underwriter - insurance  
**12202** group underwriter  
**75110** grout machine operator  
**75110** grout pump operator  
**75110** grouter  
**85103** grower - cannabis  
**21112** growers' advisor  
**65310** guest home cleaner  
**64314** guest service agent  
**64321** guest service representative - casino  
**64314** guest service representative - hotel  
**14101** guest service representative - spa  
**62022** guest service supervisor - casino  
**64314** guest services agent - hotel  
**60031** guest services manager  
**41220** guest teacher - secondary school  
**60031** guest-house operator  
**41320** guidance counsellor - education  
**41321** guidance counsellor (except education)  
**40030** guidance director  
**41320** guidance service head  
**40030** guidance services director  
**94152** guillotine cutter - printing  
**94152** guillotine operator - printing  
**53124** guitar maker  
**51122** guitar player  
**73209** guitar repairer  
**94112** gum cutter - rubber footwear  
**94122** gumming machine tender - paper converting  
**94140** gum-sheeting and scoring machine operator - food and beverage processing  
**72400** gum-wrapping machine mechanic  
**94204** gun assembler  
**83101** gun perforator - oil field services  
**72999** gun repairer  
**94204** gun subassembler  
**75110** gunite mixer - construction  
**75110** guniter - construction  
**72999** gunsmith  
**94124** gunstock checkerer  
**94124** gunstock fitter - woodworking

**94124** gunstock shaper - woodworking  
**53200** gymnast  
**53201** gymnastics coach  
**54100** gymnastics instructor  
**54100** gymnastics teacher  
**31101** gynecologist  
**73102** gyproc applicator  
**94100** gypsum calciner  
**73102** gypsum lather  
**73102** gypsum plasterboard applicator  
**94103** gypsum plasterboard maker  
**73209** gyroscope repairer  
**73209** gyroscope repairman/woman

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**22110** habitat management technician  
**22110** hair and fibre forensic examiner  
**63210** hair colour technician  
**94202** hair dryer assembler  
**63210** hair dyer  
**63211** hair removal specialist  
**63211** hair replacement consultant  
**63211** hair replacement technician  
**63211** hair weaver  
**63210** hair-care specialist  
**63210** hairdresser apprentice  
**63210** hairdresser  
**41210** hairdressing instructor - vocational institute  
**60040** hairdressing salon manager  
**41210** hairdressing teacher - community college  
**94219** hair-rooting machine operator - toy manufacturing  
**94219** hairspring truer  
**60040** hairstyling salon manager  
**63210** hairstyling specialist  
**63210** hairstylist apprentice  
**63210** hairstylist  
**94151** halftone camera operator - printing  
**40030** halfway house manager  
**42201** halfway house supervisor

<b>42201</b> halfway house worker	<b>95106</b> hand chocolate packer
<b>65310</b> hall cleaner	<b>94140</b> hand cigar maker
<b>45100</b> hall monitor	<b>94140</b> hand cigar moulder
<b>40021</b> hall principal - secondary school	<b>94140</b> hand cigar roller
<b>94140</b> ham curer	<b>94103</b> hand clay products moulder
<b>92012</b> ham curing foreman/woman	<b>95105</b> hand cloth folder
<b>94141</b> ham cutter	<b>94203</b> hand coil taper - industrial electrical equipment
<b>94143</b> ham grader	<b>94219</b> hand colour-card maker
<b>94141</b> ham sawyer - meat packing plant	<b>72022</b> hand compositors supervisor
<b>94105</b> hammer driver - forging	<b>53124</b> hand crocheter
<b>94103</b> hammer mill tender - concrete, clay and stone products	<b>95105</b> hand cutter - clothing manufacturing
<b>94140</b> hammer mill tender - food and beverage processing	<b>95105</b> hand cutter - fabric, fur and leather products manufacturing
<b>94105</b> hammer operator - metal forging	<b>53124</b> hand dollmaker
<b>53200</b> hammer thrower	<b>95109</b> hand drapery pleater
<b>72999</b> hammersmith	<b>72106</b> hand electric arc welder
<b>72106</b> hand arc welder	<b>53124</b> hand embroiderer
<b>53124</b> hand artificial flower maker	<b>53124</b> hand enameller
<b>64410</b> hand baggage inspector	<b>53124</b> hand engraver
<b>75101</b> hand bagger - material handling	<b>94202</b> hand filament mounter
<b>94219</b> hand bag-maker	<b>95101</b> hand filer - metal products manufacturing
<b>95109</b> hand barrel liner	<b>65320</b> hand finisher - laundry and dry cleaning
<b>53124</b> hand beadworker	<b>94219</b> hand fish net maker
<b>94212</b> hand belt laminator - plastic products manufacturing	<b>94130</b> hand flesher - hide and pelt processing
<b>94112</b> hand bonder - rubber footwear manufacturing	<b>65320</b> hand fur cleaner
<b>53124</b> hand bookbinder	<b>94102</b> hand glass cutter
<b>94103</b> hand brick moulder - clay products	<b>94102</b> hand glass edge finisher
<b>94219</b> hand broom maker	<b>53124</b> hand glassworker
<b>94219</b> hand brush maker	<b>95109</b> hand glove turner
<b>95101</b> hand buffer - metal products manufacturing	<b>94103</b> hand granite polisher
<b>95103</b> hand bundler - wood processing	<b>94219</b> hand hat blocker
<b>75101</b> hand bundler	<b>94219</b> hand hat brim former
<b>53124</b> hand candle maker	<b>95104</b> hand hose cutter - rubber products manufacturing
<b>95106</b> hand candy dipper - food and beverage processing	<b>94112</b> hand hose maker - rubber products manufacturing
<b>53124</b> hand case maker	<b>63202</b> hand icer - bakery
<b>95104</b> hand cementer - rubber and plastic products manufacturing	<b>95109</b> hand inserter - printing
<b>95109</b> hand cementer - shoe manufacturing	<b>65320</b> hand ironer - laundry and dry cleaning
<b>94219</b> hand chain maker - jewellery manufacturing	<b>53124</b> hand jewellery artisan
	<b>53124</b> hand knitter
	<b>94219</b> hand lacer - sporting goods manufacturing

<b>94210</b> hand laminator - furniture manufacturing	<b>95105</b> hand skeiner - textile processing
<b>94106</b> hand lapper - metal machining	<b>94130</b> hand slubber
<b>94101</b> hand lead caster - foundry	<b>53124</b> hand spinner
<b>95105</b> hand leather cutter - leather products manufacturing	<b>85103</b> hand sprayer - greenhouse
<b>53124</b> hand leather worker	<b>94152</b> hand stitcher - binding
<b>94219</b> hand lens beveller - non-prescription	<b>53124</b> hand stone carver
<b>94219</b> hand lens edger - non-prescription	<b>94103</b> hand stone polisher
<b>95103</b> hand log peeler	<b>94103</b> hand stonecutter
<b>64410</b> hand luggage inspector	<b>94219</b> hand tennis net maker
<b>94103</b> hand marble polisher	<b>94112</b> hand tire trimmer
<b>95101</b> hand metal filer	<b>94106</b> hand tool filer - metal machining
<b>53124</b> hand metalworker	<b>73209</b> hand tool repairman/woman
<b>94103</b> hand moulder - clay products	<b>92024</b> hand tools manufacturing foreman/woman
<b>94101</b> hand mouldmaker - foundry	<b>94213</b> hand touch-up painter - production
<b>94202</b> hand moulder, filaments	<b>95109</b> hand trimmer - garment manufacturing
<b>53124</b> hand needleworker	<b>95109</b> hand trimmer - shoe manufacturing
<b>94219</b> hand net-maker	<b>75101</b> hand truck operator
<b>75101</b> hand packager	<b>65320</b> hand washer - laundry and dry cleaning
<b>65102</b> hand packer - food store	<b>53124</b> hand weaver
<b>52111</b> hand painter - graphic arts	<b>95109</b> hand wire bender
<b>95109</b> hand paper pad gluer	<b>53124</b> hand woodenware carver
<b>53124</b> hand papermaker	<b>53124</b> hand woodworker
<b>75119</b> hand peat moss cutter	<b>53123</b> handbag designer
<b>94219</b> hand pleater - garment manufacturing	<b>95109</b> handbag framer
<b>94103</b> hand porcelain and earthenware presser - clay products	<b>92015</b> handbag manufacturing foreman/woman
<b>94103</b> hand presser - clay products	<b>53200</b> handball player
<b>65320</b> hand presser - laundry and dry cleaning	<b>75201</b> handbill passer
<b>53124</b> hand quilt	<b>51112</b> handbook writer
<b>72106</b> hand resistance welder	<b>94219</b> handle and vent machine tender
<b>94112</b> hand rubber footwear maker	<b>95109</b> handle moulder
<b>53124</b> hand rug maker	<b>95103</b> handler - wood treatment
<b>75101</b> hand sacker - material handling	<b>83121</b> handliner fisherman/woman
<b>94219</b> hand sample container maker	<b>41409</b> handwriting analyst
<b>94101</b> hand sand-core maker - foundry	<b>41409</b> handwriting expert
<b>95109</b> hand sander - furniture manufacturing	<b>73201</b> handyman/woman
<b>94130</b> hand screen printer - textile manufacturing	<b>73201</b> handyperson
<b>94142</b> hand shellfish processor - fish and seafood processing	<b>83100</b> hang-up blaster - underground mining
<b>94219</b> hand shoe stitcher	<b>12110</b> Hansard reporter
<b>53124</b> hand silk flower maker	<b>70012</b> harbour master
	<b>72602</b> harbour pilot
	<b>40040</b> harbour police chief

<b>42100</b> harbour police officer	<b>53200</b> harness race driver
<b>42100</b> harbour police sergeant	<b>53200</b> harness racing driver
<b>42100</b> harbour policeman/woman	<b>53202</b> harness racing starter
<b>94219</b> hard hat assembler	<b>94131</b> harness tier - textiles
<b>94129</b> hardboard press operator - wood processing	<b>51122</b> harpist
<b>94213</b> hardboard spray-coating machine tender	<b>83121</b> harpoon fisherman/woman
<b>94219</b> hardboard-coating line checker	<b>53124</b> harpsichord builder
<b>94129</b> hardboard-forming line operator	<b>85101</b> harvest hand
<b>94129</b> hardboard-grinding machine operator	<b>85101</b> harvest worker
<b>94129</b> hardboard-oiling machine tender	<b>84120</b> harvester machine operator
<b>95109</b> hardener - optical instruments manufacturing	<b>85101</b> harvesting labourer
<b>94100</b> hardener - primary metal processing	<b>94219</b> hat and cap eyelet machine operator
<b>72999</b> hard-hat diver	<b>92015</b> hat and cap makers foreman/woman
<b>94104</b> hardness tester - primary metal processing	<b>95109</b> hat and cap parts bundler
<b>83100</b> hardrock miner apprentice	<b>95109</b> hat and cap perforator
<b>83100</b> hardrock miner	<b>94124</b> hat block maker - woodworking
<b>94210</b> hardware assembler - furniture manufacturing	<b>94219</b> hat brim cutter - fabric products manufacturing
<b>94219</b> hardware assembler	<b>95109</b> hat brusher
<b>62101</b> hardware buyer	<b>65329</b> hat check attendant
<b>21311</b> hardware circuit board designer	<b>65320</b> hat cleaner
<b>21311</b> hardware design engineer	<b>94219</b> hat cone former - hat manufacturing
<b>21311</b> hardware development engineer	<b>94219</b> hat cone shrinker
<b>21311</b> hardware engineer	<b>94219</b> hat crown and brim former - hat manufacturing
<b>22221</b> hardware installation technician	<b>94219</b> hat decoration maker
<b>94210</b> hardware installer - furniture manufacturing	<b>94219</b> hat decorator - fabric products manufacturing
<b>94210</b> hardware mounter - furniture manufacturing	<b>53123</b> hat designer
<b>10012</b> hardware purchasing director	<b>92015</b> hat dyer supervisor
<b>10012</b> hardware purchasing manager	<b>94219</b> hat finisher
<b>64100</b> hardware salesperson - retail	<b>94219</b> hat foundation maker - fabric products manufacturing
<b>64100</b> hardware store clerk	<b>94133</b> hat fur sorter
<b>60020</b> hardware store manager	<b>94133</b> hat inspector
<b>21311</b> hardware technical architect	<b>95109</b> hat liner
<b>22221</b> hardware technical support analyst	<b>94219</b> hat ornament maker
<b>94219</b> hardware, tool and knife inspector	<b>95109</b> hat sizer
<b>84110</b> hardwood faller and buckler	<b>95109</b> hat sorter
<b>73113</b> hardwood floor covering installer	<b>95109</b> hat sweatband flanger
<b>73113</b> hardwood floor layer	<b>95109</b> hat treater
<b>94201</b> harness and cable fabricator - electronic equipment manufacturing	<b>92015</b> hat trimming department foreman/woman
<b>95105</b> harness cleaner - textile processing	<b>94219</b> hat-brim-flexing machine tender - hat manufacturing
<b>94131</b> harness preparer - textiles	

<b>82030</b> hatchery foreman/woman	<b>62024</b> head custodian - cleaning services
<b>85100</b> hatchery helper - poultry	<b>62024</b> head custodian
<b>85102</b> hatchery helper	<b>12013</b> head dispatcher
<b>80020</b> hatchery manager	<b>72205</b> head end technician - cable television
<b>80020</b> hatchery operator	<b>52119</b> head grip
<b>85102</b> hatchery worker - aquaculture	<b>80021</b> head grower - cannabis
<b>85100</b> hatchery worker - poultry	<b>62024</b> head janitor
<b>94219</b> hat-greasing machine tender - hat manufacturing	<b>50010</b> head librarian
<b>94219</b> hatmaking machine operator	<b>43201</b> head matron - correctional service
<b>94219</b> hat-pouncing machine tender - hat manufacturing	<b>92012</b> head miller - feed-and-flour mill
<b>84100</b> haulage truck driver - underground mining	<b>92012</b> head mixer - bakery
<b>84100</b> haulageman/woman - underground mining	<b>31300</b> head nurse
<b>84120</b> hay baler operator - agriculture	<b>50010</b> head of cataloguing
<b>92012</b> hazard analysis critical control point (HACCP) coordinator - food processing	<b>52119</b> head of wardrobe
<b>92012</b> hazard analysis critical control point (HACCP) coordinator	<b>12202</b> head office underwriter - insurance
<b>21120</b> hazardous waste inspector	<b>53100</b> head preparator - museums and art galleries
<b>42204</b> hazzan	<b>92011</b> head refrigerating engineer
<b>72601</b> head air traffic controller	<b>62200</b> head rotisseur
<b>50010</b> head archivist	<b>94120</b> head sawyer - sawmill
<b>62022</b> head baggage porter	<b>94120</b> head sawyer
<b>63202</b> head baker - retail	<b>12013</b> head shipper
<b>63202</b> head baker	<b>64400</b> head teller - financial services
<b>64301</b> head barmaid	<b>72604</b> head train dispatcher
<b>64301</b> head barman/barwoman	<b>94152</b> headband and liner gluer - printing
<b>64301</b> head bartender	<b>94107</b> header machine operator - metal
<b>94141</b> head boner - meat packing plant	<b>12101</b> head-hunter
<b>73311</b> head brakeman/woman	<b>94219</b> heading machine tender
<b>63201</b> head butcher - retail or wholesale	<b>94200</b> headlight adjuster - motor vehicle manufacturing
<b>63201</b> head butcher - retail	<b>51113</b> headline writer
<b>63201</b> head butcher - wholesale	<b>84100</b> headman/woman - underground mining
<b>62024</b> head caretaker	<b>72011</b> head-office repair supervisor
<b>62010</b> head cashier	<b>40040</b> headquarters chief inspector - police
<b>93100</b> head charger	<b>42100</b> headquarters duty officer - police
<b>62200</b> head chef	<b>40040</b> headquarters police inspector
<b>62024</b> head cleaner	<b>94120</b> headrig operator - sawmill
<b>62024</b> head cleaning man/woman	<b>94120</b> head-saw operator - sawmill
<b>53201</b> head coach	<b>65200</b> headwaiter/headwaitress - food and beverage services
<b>43201</b> head correctional officer	<b>33109</b> health aide
	<b>12201</b> health and dental claims examiner - insurance

<b>22232</b> health and safety inspector	<b>51100</b> health librarian
<b>41210</b> health and safety instructor	<b>22232</b> health officers supervisor
<b>22232</b> health and safety officer	<b>21100</b> health physicist
<b>22232</b> health and safety technician	<b>41404</b> health policy development officer
<b>22232</b> health and safety technologist	<b>41404</b> health policy research analyst
<b>41404</b> health and social services institution accreditation officer	<b>41404</b> health program information analyst
<b>41404</b> health and social services liaison officer	<b>40010</b> health program operations manager - government services
<b>40010</b> health and welfare manager - government services	<b>40010</b> health programs assistant director - government services
<b>41407</b> health authority board member	<b>40010</b> health promotion chief - government services
<b>33102</b> health care aide	<b>41404</b> health promotion program officer
<b>33102</b> health care assistant	<b>10019</b> health records administrator
<b>00013</b> health care association president	<b>12111</b> health records classifier
<b>41404</b> health care association program officer	<b>14100</b> health records clerk
<b>41404</b> health care consultant	<b>12111</b> health records management coder
<b>31120</b> health care institution pharmacist	<b>12111</b> health records management supervisor
<b>40010</b> health care insurance plan director - government services	<b>12111</b> health records technician
<b>40010</b> health care insurance refund claims director - government services	<b>41404</b> health research officer
<b>41404</b> health care planner	<b>41404</b> health services consultant
<b>41404</b> health care planning consultant	<b>40010</b> health services director - government services
<b>41404</b> health care planning officer	<b>00013</b> health services institution executive director
<b>41404</b> health care program administration officer	<b>41404</b> health services program consultant
<b>41404</b> health care researcher	<b>41404</b> health services research officer
<b>50012</b> health club manager	<b>41404</b> health services researcher
<b>00011</b> health commissioner	<b>21120</b> health standards inspector
<b>41401</b> health economist	<b>40010</b> health strategies manager - government services
<b>40010</b> health education director - government services	<b>50012</b> health studio manager
<b>41220</b> health education teacher - secondary school	<b>41210</b> health technology teacher
<b>41404</b> health educator	<b>32109</b> hearing aid assistant
<b>40010</b> health information and promotion chief - government services	<b>32109</b> hearing aid consultant
<b>40010</b> health information and promotion director - government services	<b>32109</b> hearing aid dealer
<b>14100</b> health information clerk	<b>94201</b> hearing aid inspector - electronic equipment manufacturing
<b>12111</b> health information management coder	<b>32109</b> hearing aid practitioner
<b>11201</b> health information management consultant	<b>22311</b> hearing aid repairer
<b>12111</b> health information management practitioner	<b>64100</b> hearing aid sales consultant - retail
<b>12111</b> health information management professional	<b>64100</b> hearing aid salesperson - retail
<b>12111</b> health information management supervisor	<b>32109</b> hearing aid specialist
<b>12111</b> health information management technician	<b>32109</b> hearing aid technician
	<b>32109</b> hearing assessment technician

<b>32109</b> hearing disorder technician	<b>72020</b> heating systems mechanics foreman/woman
<b>32109</b> hearing instrument dispenser	<b>72420</b> heating systems servicer
<b>32109</b> hearing instrument practitioner assistant	<b>72420</b> heating systems technician
<b>32109</b> hearing instrument practitioner	<b>72420</b> heating technician
<b>32109</b> hearing instrument specialist	<b>72020</b> heating, ventilating and air conditioning (HVAC) mechanics foreman/woman
<b>75200</b> hearse driver	<b>22301</b> heating, ventilating and air conditioning systems technician
<b>31100</b> heart specialist	<b>22301</b> heating, ventilating and air conditioning technician
<b>72321</b> heat and frost insulator	<b>21301</b> heating, ventilation and air conditioning (HVAC) engineer
<b>94130</b> heat curer - textile manufacturing	<b>72402</b> heating, ventilation and air conditioning (HVAC) mechanic
<b>94205</b> heat seal equipment operator - electrical equipment manufacturing	<b>22301</b> heating, ventilation and air conditioning (HVAC) systems specialist
<b>94219</b> heat sensor assembler	<b>22301</b> heating, ventilation and air conditioning (HVAC) systems technologist
<b>22101</b> heat treat technician	<b>22301</b> heating, ventilation and air conditioning (HVAC) technologist
<b>95101</b> heat treater helper	<b>95109</b> heat-seal press pad assembler - furniture assembly
<b>94104</b> heat treating inspector - metal processing	<b>94111</b> heat-sealing machine tender - plastic manufacturing
<b>93100</b> heater - primary metal processing	<b>94100</b> heat-treat furnace operator - primary metal processing
<b>95100</b> heater helper - primary metal processing	<b>72020</b> heavy agricultural machinery assembly foreman/woman
<b>94105</b> heater operator - metal forging	<b>94106</b> heavy chucking lathe operator - metal machining
<b>73400</b> heater-planer operator	<b>72021</b> heavy construction crew foreman/woman
<b>72020</b> heating and air conditioning contractor	<b>72020</b> heavy construction equipment assembly foreman/woman
<b>75119</b> heating and air conditioning mechanic helper	<b>72021</b> heavy construction labourers foreman/woman
<b>72402</b> heating and air conditioning mechanic	<b>73400</b> heavy construction-equipment operator
<b>72020</b> heating and air conditioning systems contractor	<b>94202</b> heavy current switch assembler
<b>75119</b> heating and cooling mechanic helper	<b>72401</b> heavy diesel engine mechanic
<b>72402</b> heating and cooling mechanic	<b>72020</b> heavy equipment assembly foreman/woman
<b>92100</b> heating and ventilation equipment tender	<b>72401</b> heavy equipment combination mechanic
<b>22212</b> heating and ventilation systems draftsman	<b>72401</b> heavy equipment field mechanic
<b>22301</b> heating designer	<b>72405</b> heavy equipment fitter
<b>94205</b> heating element coil former - electrical equipment manufacturing	<b>74203</b> heavy equipment greaser
<b>94205</b> heating element coil-former operator	<b>72401</b> heavy equipment inspector-repairer
<b>72420</b> heating mechanic	<b>72401</b> heavy equipment mechanic - diesel engine
<b>92011</b> heating plant foreman/forewoman	<b>72020</b> heavy equipment mechanic foreman/woman
<b>72420</b> heating service mechanic	
<b>21301</b> heating specialist engineer	
<b>92100</b> heating stationary engineer	
<b>72020</b> heating system installation and repair contractor	
<b>72420</b> heating system mechanic	
<b>72020</b> heating systems contractor	
<b>22212</b> heating systems draftsman	
<b>72420</b> heating systems installer	



<b>75119</b> heavy equipment mechanic helper	<b>73400</b> heavy-duty equipment operator
<b>72401</b> heavy equipment mechanic	<b>72021</b> heavy-duty equipment operators foreman/woman
<b>72020</b> heavy equipment mechanics supervisor	<b>72401</b> heavy-duty equipment technician apprentice
<b>73400</b> heavy equipment operating engineer	<b>72401</b> heavy-duty equipment technician
<b>73400</b> heavy equipment operator apprentice	<b>94105</b> heavy-duty press set-up operator - metal fabrication
<b>73400</b> heavy equipment operator	<b>94202</b> heavy-duty resistor assembler
<b>41210</b> heavy equipment operators instructor - community college	<b>94203</b> heavy-duty transformer assembler
<b>72021</b> heavy equipment operators supervisor	<b>94203</b> heavy-duty transformer coil winder
<b>62100</b> heavy equipment sales representative	<b>95109</b> heddle examiner
<b>62100</b> heavy equipment salesperson	<b>94219</b> heel attacher
<b>74203</b> heavy equipment service truck driver	<b>95109</b> heel compressor tender - shoe manufacturing
<b>74203</b> heavy equipment servicer (except mechanic)	<b>94112</b> heel cutter - rubber footwear
<b>72020</b> heavy farm equipment assembly foreman/woman	<b>94112</b> heel maker - rubber footwear
<b>94105</b> heavy forger	<b>94219</b> heel maker
<b>72020</b> heavy machinery assembly foreman/woman	<b>95109</b> heel reducer - shoe manufacturing
<b>72405</b> heavy machinery fitter	<b>95109</b> heel scorer - shoe manufacturing
<b>75101</b> heavy materials handler	<b>94219</b> heel seat fitter
<b>94100</b> heavy media separation tender - mineral and metal processing	<b>95109</b> heel shaper - shoe manufacturing
<b>72401</b> heavy mobile equipment repairer	<b>94219</b> heel-trimming machine operator - footwear manufacturing
<b>72401</b> heavy mobile equipment repairman/woman	<b>72106</b> heliarc welder
<b>72401</b> heavy mobile logging equipment mechanic	<b>92023</b> helicopter assembly foreman/woman
<b>72401</b> heavy mobile mining equipment mechanic	<b>92023</b> helicopter assembly supervisor
<b>73300</b> heavy truck driver	<b>72600</b> helicopter chief pilot
<b>74203</b> heavy truck greaser	<b>72600</b> helicopter flight instructor
<b>74203</b> heavy truck oiler	<b>72020</b> helicopter maintenance foreman/woman - mechanical systems
<b>62100</b> heavy truck sales representative	<b>72404</b> helicopter mechanic
<b>62100</b> heavy truck salesperson	<b>72404</b> helicopter mechanical systems inspector
<b>93101</b> heavy water chemical process operator	<b>72600</b> helicopter pilot
<b>22312</b> heavy water plant control technician	<b>21110</b> helminthologist
<b>72400</b> heavy water plant mechanical maintainer	<b>53200</b> helmsman - sports
<b>92100</b> heavy water steam plant operator	<b>74201</b> helmsman/woman - water transport
<b>94202</b> heavy-duty capacitor assembler	<b>42201</b> help centre supervisor - social services
<b>65312</b> heavy-duty cleaner	<b>22221</b> help desk analyst - systems
<b>94203</b> heavy-duty coil former - industrial electrical equipment	<b>20012</b> help desk manager - information technology (IT)
<b>94205</b> heavy-duty electrical battery charger tester	<b>22221</b> help desk specialist
<b>72401</b> heavy-duty equipment mechanic apprentice	<b>22221</b> help desk technical agent
<b>72401</b> heavy-duty equipment mechanic	<b>22221</b> help desk technician
<b>73400</b> heavy-duty equipment operator apprentice	

<b>51112</b> help file developer	<b>94130</b> hide and skin preparer
<b>95102</b> helper - chemical processing	<b>92012</b> hide curing foreman/woman - food and beverage processing
<b>75212</b> helper - garbage collection	<b>94130</b> hide fluffer - hide and pelt processing
<b>95100</b> helper - primary metal and mineral products processing	<b>94133</b> hide grader
<b>95109</b> helper - printing	<b>94133</b> hide inspector
<b>95105</b> helper - textiles	<b>94130</b> hide parer - hide and pelt processing
<b>31100</b> hematological-pathologist	<b>94130</b> hide processing worker
<b>31100</b> hematologist	<b>94133</b> hide sorter
<b>32120</b> hematology technologist - medical laboratory	<b>94130</b> hide stretcher
<b>31100</b> hematopathologist	<b>92015</b> hide tanning supervisor
<b>31100</b> hematopathology specialist	<b>92015</b> hide-house foreman/woman - hide and pelt processing
<b>94132</b> hemmer machine operator - sewing	<b>00011</b> high commissioner
<b>31301</b> hemodialysis nurse	<b>72102</b> high rise sheet metal installer
<b>32129</b> hemodialysis technician	<b>52100</b> high school librarian
<b>32129</b> hemodialysis technologist	<b>40021</b> high school principal
<b>63211</b> henna tattoo artist	<b>41220</b> high school teacher - outdoor activities
<b>53123</b> heraldist	<b>41220</b> high school teacher
<b>33109</b> herbal medicine assistant	<b>94150</b> high speed printer operator
<b>32209</b> herbal practitioner	<b>72203</b> high voltage lineman/linewoman
<b>32209</b> herbal specialist	<b>72203</b> high voltage lineman/woman - electric power systems
<b>32209</b> herbalist	<b>94203</b> high voltage transformer bushing assembler
<b>51101</b> herbarium curator	<b>83100</b> high-raise blaster
<b>32209</b> herbologist	<b>94140</b> high-speed machine operator - tobacco products
<b>32209</b> herbology practitioner	<b>94130</b> high-speed machine warper - textile manufacturing
<b>32209</b> herborist	<b>94140</b> high-speed packer operator - tobacco products
<b>84120</b> herd attendant	<b>94120</b> high-speed stud operator - sawmill
<b>85100</b> herd hand	<b>21100</b> high-temperature physicist
<b>84120</b> herd superintendent	<b>72203</b> high-voltage maintenance lineman/woman
<b>84120</b> herder - stockyards	<b>72203</b> high-voltage power line patroller - electric power systems
<b>84120</b> herdsman/woman	<b>72422</b> high-voltage power transformer repairer
<b>84120</b> herdsperson	<b>72203</b> high-voltage tower lineman/woman
<b>53100</b> heritage interpreter	<b>72021</b> highway and bridge maintenance road boss
<b>41405</b> heritage languages education consultant	<b>73100</b> highway and street cement mason
<b>40012</b> heritage languages program director	<b>00011</b> highway commissioner
<b>21202</b> heritage planner - land use	<b>75110</b> highway concrete mixer operator helper
<b>21202</b> heritage work planner	<b>72021</b> highway construction boss
<b>21110</b> herpetologist	<b>72021</b> highway construction foreman/woman
<b>94133</b> hide and pelt processing inspector	
<b>95109</b> hide and pelt processing labourer	
<b>94130</b> hide and pelt processing worker	

<b>00015</b> highway construction general manager	<b>53100</b> historical village technician
<b>22233</b> highway construction inspector foreman/woman	<b>41200</b> history assistant professor - university
<b>22233</b> highway construction inspector	<b>53100</b> history museum interpreter
<b>70010</b> highway construction manager	<b>41200</b> history professor - university
<b>22300</b> highway construction materials testing technician	<b>41210</b> history teacher - general and vocational college (CEGEP)
<b>21300</b> highway engineer	<b>41220</b> history teacher - secondary school
<b>75212</b> highway line painter	<b>32120</b> histotechnologist - medical laboratory
<b>72021</b> highway maintenance foreman/woman	<b>64100</b> hobby shop salesperson
<b>75110</b> highway maintenance worker	<b>00013</b> hockey association general manager
<b>42100</b> highway patrol officer	<b>53201</b> hockey coach
<b>42100</b> highway patrolman/woman	<b>53200</b> hockey player
<b>14404</b> highway radio-telephone operator	<b>53201</b> hockey scout
<b>43202</b> highway scale operator	<b>94211</b> hockey stick assembler
<b>75110</b> highway sign erector	<b>94211</b> hockey stick inspector-grader
<b>74205</b> highway snow removal equipment operator	<b>53201</b> hockey team coach
<b>74205</b> highway snowplow operator	<b>80020</b> hog breeder
<b>22300</b> highway technician	<b>62101</b> hog buyer
<b>22300</b> highway traffic technician	<b>82030</b> hog farm foreman/woman
<b>53121</b> high-wire walker	<b>82030</b> hog farm supervisor
<b>64322</b> hiking guide	<b>85100</b> hog farm worker
<b>21110</b> histologist	<b>80020</b> hog farmer
<b>33101</b> histology technician	<b>94141</b> hog killer
<b>32120</b> histology technologist - medical laboratory	<b>95103</b> hog machine tender - wood processing
<b>32120</b> histology technologist	<b>82030</b> hog operation supervisor
<b>31100</b> histopathologist - medical specialist	<b>80020</b> hog producer
<b>21110</b> histopathologist	<b>94211</b> hogshead assembler - wood products manufacturing
<b>32120</b> histopathology technologist	<b>95106</b> hogshead filler - tobacco products
<b>41409</b> historian	<b>94143</b> hogshead inspector - tobacco processing
<b>53100</b> historic site interpreter	<b>72500</b> hoist operator - foundry
<b>50010</b> historic sites administrator	<b>83100</b> hoist operator - underground mining
<b>51102</b> historical archivist	<b>72500</b> hoist operator (except underground mining)
<b>51101</b> historical artifact conservator	<b>92023</b> hoisting-and-lifting equipment assembly foreman/woman
<b>41409</b> historical geographer	<b>83100</b> hoistman/woman underground mining
<b>53100</b> historical interpreter	<b>94124</b> hole saw tender - woodworking
<b>50010</b> historical park assistant director	<b>60040</b> holidays service manager
<b>50010</b> historical park assistant superintendent	<b>32209</b> holistic nutritionist
<b>50010</b> historical park director	<b>32209</b> holistic practitioner
<b>50010</b> historical park superintendent	<b>94219</b> hollowware moulder
<b>53100</b> historical site technician	<b>94219</b> hollowware-buffing machine tender
<b>53100</b> historical village supervisor	

<b>94152</b> hologram-imprinting machine tender	<b>72602</b> home trade first mate
<b>22310</b> holographics technician	<b>72602</b> home trade master
<b>22310</b> holographics technologist	<b>72602</b> home trade mate
<b>32123</b> Holter monitor technologist	<b>72602</b> home trade second mate
<b>32123</b> Holter scanning technologist	<b>41404</b> home-care programs consultant
<b>22301</b> home automation technician	<b>44101</b> home-care worker
<b>70011</b> home builder	<b>65310</b> homemaker helper - rest home
<b>70011</b> home building contractor	<b>40010</b> homemaker services director - government services
<b>31301</b> home care neuroscience nurse	<b>40030</b> homemaker services director - social services
<b>31301</b> home care nurse	<b>44101</b> homemaker
<b>31203</b> home care occupational therapist	<b>32209</b> homeopath
<b>60040</b> home care service manager	<b>32209</b> homeopathic practitioner
<b>40010</b> home care services director - government services	<b>43100</b> homework assistant
<b>30010</b> home care services director - medical services	<b>94140</b> homogenizer operator - food and beverage processing
<b>44100</b> home child care provider	<b>85100</b> honey farm worker
<b>65310</b> home cleaner	<b>94143</b> honey grader and blender
<b>22233</b> home construction inspector	<b>94140</b> honey-processing equipment operator
<b>52121</b> home decorating consultant	<b>94106</b> honing machine operator - metal machining
<b>52121</b> home decorator	<b>94106</b> honing machine set-up operator - metal machining
<b>65109</b> home demonstrator - retail	<b>94200</b> hood fitter - motor vehicle manufacturing
<b>41403</b> home economics consultant	<b>95106</b> hoof remover - food and beverage processing
<b>41221</b> home economics teacher - elementary school	<b>82010</b> hook and rig supervisor - logging
<b>41220</b> home economics teacher - secondary school	<b>72400</b> hook repairer - textile manufacturing
<b>22100</b> home economics technologist	<b>82010</b> hook tender - logging
<b>41403</b> home economist - consumer association	<b>94112</b> hooker-laster - rubber products manufacturing
<b>41403</b> home economist	<b>94105</b> hoop bender
<b>44101</b> home health care worker	<b>83121</b> hoop net fisherman/woman
<b>44101</b> home helper	<b>94124</b> hoop-driver operator - woodworking
<b>22233</b> home inspector	<b>94124</b> hoop-driving machine operator - woodworking
<b>22310</b> home lighting technician	<b>94105</b> hoop-maker machine operator - metal fabrication
<b>42204</b> home mission worker - religion	<b>94107</b> hoop-making machine operator
<b>12202</b> home office underwriter - insurance	<b>94107</b> hoop-punching and hoop-coiling machine operator - metal products manufacturing
<b>52121</b> home organizer	<b>94107</b> hoop-riveting machine operator
<b>70011</b> home renovation contractor	<b>82030</b> hop farm foreman/woman
<b>70011</b> home renovator	<b>80020</b> hop grower
<b>65109</b> home salesperson	<b>80020</b> hop producer
<b>52121</b> home stager	<b>84120</b> hop-picking machine operator
<b>52121</b> home staging consultant	
<b>44101</b> home support attendant	
<b>44101</b> home support worker	

<b>73400</b> ho-ram operator	<b>92013</b> hose building supervisor - rubber products manufacturing
<b>94106</b> horizontal boring and milling machine set-up operator	<b>95104</b> hose checker - rubber products manufacturing
<b>94124</b> horizontal boring machine operator - woodworking	<b>94112</b> hose curer - rubber products manufacturing
<b>75110</b> horizontal earth-boring machine helper	<b>94112</b> hose cutter and brander operator - rubber products manufacturing
<b>73400</b> horizontal earth-boring machine operator	<b>94112</b> hose maker machine operator - rubber products manufacturing
<b>94124</b> horizontal resaw operator - woodworking	<b>75110</b> hoseman/woman insulation helper
<b>51122</b> horn player	<b>94130</b> hosiery boarder
<b>51122</b> horn teacher - private, conservatory or studio lessons	<b>95105</b> hosiery folder
<b>84120</b> horse breaker	<b>92015</b> hosiery foreman/woman
<b>80020</b> horse breeder	<b>94133</b> hosiery grader
<b>65220</b> horse hot-walker	<b>94133</b> hosiery inspector
<b>53202</b> horse identifier	<b>94131</b> hosiery knitter
<b>84110</b> horse logger	<b>94131</b> hosiery looper - textiles
<b>53202</b> horse plating inspector - racetrack	<b>94133</b> hosiery pairer
<b>53202</b> horse race timer	<b>94131</b> hosiery seamer - textiles
<b>50012</b> horse racing director	<b>94133</b> hosiery sizer
<b>53202</b> horse racing starter	<b>95105</b> hosiery tray dryer
<b>82030</b> horse stable foreman/woman	<b>94131</b> hosiery-knitting machine tender
<b>84120</b> horse trainer	<b>33102</b> hospice worker
<b>64322</b> horseback riding guide	<b>00013</b> hospital administrator
<b>54100</b> horseback riding instructor	<b>14101</b> hospital admissions clerk
<b>64320</b> horse-drawn vehicle sightseeing tour guide	<b>10019</b> hospital admissions director
<b>53202</b> horseshoe inspector	<b>14101</b> hospital admitting clerk
<b>72999</b> horseshoer	<b>12010</b> hospital admitting clerks supervisor
<b>82031</b> horticultural contractor	<b>33102</b> hospital aide
<b>80021</b> horticultural greenhouse operator	<b>33102</b> hospital attendant
<b>22114</b> horticultural technician	<b>63202</b> hospital baker
<b>22114</b> horticultural technologist	<b>65310</b> hospital cleaner
<b>41210</b> horticulture and landscaping instructor - school of horticulture	<b>63200</b> hospital cook
<b>85103</b> horticulture labourer	<b>31120</b> hospital druggist
<b>22114</b> horticulture specialist	<b>22310</b> hospital electronic equipment repairer
<b>22114</b> horticulture technician	<b>62100</b> hospital equipment sales representative
<b>22114</b> horticulture technologist	<b>62100</b> hospital equipment salesperson
<b>82031</b> horticulture workers supervisor	<b>00013</b> hospital executive director
<b>85103</b> horticulturist helper	<b>62021</b> hospital executive housekeeper
<b>22114</b> horticulturist	<b>62020</b> hospital food service supervisor
<b>92013</b> hose building foreman/woman - rubber manufacturing	<b>31301</b> hospital hygiene nurse
	<b>31301</b> hospital hygienist - nursing
	<b>64409</b> hospital information clerk

<b>14201</b> hospital insurance clerk	<b>94101</b> hot-box moulder - foundry
<b>65201</b> hospital meal attendant	<b>94213</b> hot-dip coater - metal plating
<b>31301</b> hospital nurse	<b>94213</b> hot-dip galvanizer - metal plating
<b>33102</b> hospital orderly	<b>64101</b> hotel accommodations sales executive
<b>31120</b> hospital pharmacist	<b>21120</b> hotel and restaurant inspector - public health
<b>33102</b> hospital porter	<b>60031</b> hotel assistant manager
<b>14101</b> hospital receptionist	<b>63202</b> hotel baker
<b>14100</b> hospital records clerk	<b>65100</b> hotel cashier
<b>33102</b> hospital service aide - medical	<b>00014</b> hotel chain regional vice-president
<b>92100</b> hospital stationary engineer	<b>65310</b> hotel cleaner
<b>64100</b> hospital television rental attendant	<b>62022</b> hotel clerk head
<b>65201</b> hospital tray carrier	<b>62022</b> hotel clerk supervisor
<b>33102</b> hospital ward aide	<b>64314</b> hotel clerk
<b>31100</b> hospitalist	<b>64314</b> hotel concierge
<b>64300</b> host/hostess - food service	<b>60031</b> hotel director
<b>64300</b> host/hostess - restaurant or cocktail lounge	<b>65210</b> hotel doorkeeper
<b>52114</b> host/hostess - television or radio	<b>62021</b> hotel executive housekeeper
<b>42201</b> hostel coordinator	<b>60030</b> hotel food and beverage service manager
<b>60031</b> hostel manager	<b>64314</b> hotel front desk clerk
<b>42201</b> hostel outreach worker	<b>60031</b> hotel front desk manager
<b>74203</b> hostler - transit system	<b>64314</b> hotel front office clerk
<b>64322</b> hot air balloonist	<b>60031</b> hotel front office manager
<b>95100</b> hot bed leverman/woman - primary metal processing	<b>00014</b> hotel general manager
<b>72022</b> hot composition foreman/woman - printing	<b>65210</b> hotel guest services attendant
<b>65201</b> hot dog vendor	<b>65310</b> hotel housekeeper
<b>72106</b> hot gas welder	<b>64409</b> hotel information clerk - contact centre
<b>72500</b> hot metal crane operator	<b>41210</b> hotel management teacher - college
<b>93100</b> hot mill roller - primary metal processing	<b>60031</b> hotel manager
<b>95103</b> hot plate press tender helper	<b>62022</b> hotel managing supervisor
<b>94103</b> hot press operator - clay products	<b>64314</b> hotel night auditor
<b>94105</b> hot press operator - metal forging	<b>60031</b> hotel operator
<b>94129</b> hot press operator - wood processing	<b>12102</b> hotel purchasing agent
<b>94124</b> hot press tender - woodworking	<b>12102</b> hotel purchasing officer
<b>94100</b> hot strip finishing mill tender - primary metal processing	<b>64314</b> hotel receptionist
<b>94100</b> hot strip roughing mill tender - primary metal processing	<b>64101</b> hotel services sales representative
<b>73200</b> hot tub installer	<b>64101</b> hotel supply sales representative
<b>73200</b> hot tub servicer	<b>65329</b> hotel valet
<b>72014</b> hot water heater installation contractor	<b>65200</b> hotel waiter/waitress - formal service
<b>73200</b> hot water heater installer	<b>80021</b> hothouse flower grower
	<b>72014</b> hothouse installers foreman/woman
	<b>85103</b> hothouse labourer

<b>94107</b> hot-wound spring coiler	<b>13101</b> housing development officer
<b>22301</b> house automation technician	<b>41403</b> housing policy analyst
<b>72310</b> house carpenter	<b>40010</b> housing policy and development director - government services
<b>65310</b> house cleaner	<b>13101</b> housing project manager
<b>64410</b> house detective	<b>22233</b> housing rehabilitation inspector
<b>65329</b> house manager	<b>70011</b> housing rehabilitation specialist - builder
<b>72021</b> house mover contractor	<b>70011</b> housing renovator
<b>72021</b> house moving foreman/woman	<b>72602</b> hovercraft master
<b>40019</b> House of Commons administrator	<b>22212</b> hull draftsperson - shipbuilding and repair
<b>40030</b> House of Commons chief clerk	<b>94219</b> hull inspector
<b>41407</b> House of Commons committee officer	<b>94219</b> hull surveyor
<b>41407</b> House of Commons officer	<b>94219</b> hull technician
<b>73112</b> house painter	<b>31112</b> human communication disorders specialist
<b>92023</b> house trailer assembly foreman/woman	<b>41400</b> human factors engineer
<b>64100</b> house trailer salesperson - retail	<b>41400</b> human factors specialist (except engineer)
<b>22311</b> household and business equipment technician	<b>31204</b> human kineticist
<b>73200</b> household appliance installer	<b>21110</b> human physiologist
<b>72020</b> household appliance repair shop foreman/woman	<b>41301</b> human relations officer - family and children's services
<b>64100</b> household appliance salesperson - retail	<b>41301</b> human relations officer - family therapy
<b>72421</b> household electrical appliance repairman/woman	<b>41300</b> human relations officer - social work
<b>72421</b> household electrical appliance service technician	<b>21221</b> human resource information system analyst
<b>75101</b> household goods mover	<b>13110</b> human resources administrator - Canadian Armed Forces
<b>65329</b> household manager	<b>13110</b> human resources administrator
<b>65310</b> housekeeper	<b>11200</b> human resources adviser
<b>65310</b> housekeeping aide	<b>00012</b> human resources and organizational development vice-president - financial, communications and other business services
<b>65310</b> housekeeping attendant	<b>00015</b> human resources and organizational development vice-president - goods production, utilities, transportation and construction
<b>62021</b> housekeeping director	<b>00013</b> human resources and organizational development vice-president - health, education, social and community services and membership organizations
<b>62021</b> housekeeping manager	<b>00014</b> human resources and organizational development vice-president - trade, broadcasting and other services
<b>62024</b> housekeeping room attendant supervisor	<b>11200</b> human resources arbitrator
<b>65310</b> housekeeping room attendant	<b>14102</b> human resources assistant
<b>40010</b> housekeeping services director - government services	<b>11200</b> human resources classification officer
<b>62024</b> housekeeping supervisor	<b>14102</b> human resources clerk - Canadian Armed Forces
<b>65310</b> housemaid - cleaning services	
<b>65310</b> houseman/woman	
<b>65329</b> housesitter	
<b>64100</b> housewares salesperson - retail	
<b>22233</b> housing construction inspector	
<b>70010</b> housing construction manager	

<b>14102</b> human resources clerk	<b>43202</b> Humane Society officer
<b>11200</b> human resources consultant	<b>41200</b> humanities professor - university
<b>11200</b> human resources coordinator - Canadian Armed Forces	<b>41220</b> humanities teacher - high school
<b>11200</b> human resources coordinator	<b>94129</b> humidifier tender - wood processing
<b>10011</b> human resources development and planning director	<b>92100</b> humidifying systems operator
<b>10011</b> human resources development director	<b>53121</b> humorist - performing arts
<b>10011</b> human resources director	<b>51111</b> humorist-author
<b>41401</b> human resources economist	<b>94101</b> hunter machine operator - foundry
<b>11200</b> human resources generalist	<b>85104</b> hunter
<b>11200</b> human resources management consultant	<b>64322</b> hunting and fishing guide
<b>10011</b> human resources management director	<b>60031</b> hunting and fishing lodge manager
<b>10011</b> human resources manager	<b>64322</b> hunting and fishing outfitter
<b>12101</b> human resources officer	<b>60031</b> hunting camp operator
<b>11200</b> human resources planning consultant	<b>64322</b> hunting guide
<b>10011</b> human resources planning manager	<b>64100</b> hunting guns salesperson - retail
<b>11200</b> human resources policy analyst	<b>94201</b> hybrid circuit assembler - electronic equipment manufacturing
<b>11200</b> human resources policy officer	<b>94201</b> hybrid inspector - electronic equipment manufacturing
<b>11200</b> human resources program supervisor	<b>74204</b> hydrant and valve maintenance worker
<b>11200</b> human resources research officer	<b>95100</b> hydrate scale reclaimer - primary metal processing
<b>13110</b> human resources secretary	<b>94100</b> hydrate thickener operator
<b>11200</b> human resources specialist	<b>94110</b> hydrator operator
<b>11200</b> human resources supervisor	<b>94129</b> hydraulic barker operator - wood processing
<b>12101</b> human resources technician	<b>94210</b> hydraulic chair assembler
<b>00012</b> human resources vice-president - bank	<b>83100</b> hydraulic coal monitor operator
<b>00012</b> human resources vice-president - financial, communications and other business services	<b>73400</b> hydraulic excavator operator
<b>00015</b> human resources vice-president - goods production, utilities, transportation and construction	<b>94204</b> hydraulic hoist assembler
<b>00013</b> human resources vice-president - health, education, social and community services and membership organizations	<b>93200</b> hydraulic installation - aircraft assembly
<b>00014</b> human resources vice-president - trade, broadcasting and other services	<b>22212</b> hydraulic machinery draftsman
<b>00011</b> Human Rights Commission chairperson	<b>94105</b> hydraulic press operator - metal fabrication
<b>41403</b> Human Rights Commission officer	<b>94124</b> hydraulic press tender - woodworking
<b>41403</b> Human Rights Commission officers supervisor	<b>94204</b> hydraulic pump assembler
<b>41403</b> human rights officer - government services	<b>93200</b> hydraulic system installer - aircraft assembly
<b>41403</b> human rights officer	<b>72020</b> hydraulic unit repair shop foreman/woman
<b>41403</b> human rights specialist	<b>73209</b> hydraulic unit repairer
<b>43202</b> Humane Society inspector	<b>21300</b> hydraulics engineer
	<b>21110</b> hydrobiologist
	<b>83101</b> hydrocarbon mud logger - oil field services
	<b>21101</b> hydrochemist
	<b>92100</b> hydro-electric generating station operator



<b>92100</b> hydro-electric power plant operator	
<b>90011</b> hydro-electric power production plant director	
<b>90011</b> hydro-electric power station director	
<b>00015</b> hydro-electric power station president	
<b>90011</b> hydroelectric power station project manager	
<b>92011</b> hydroelectric power station supervisor	
<b>92011</b> hydro-electric station chief operator	
<b>62100</b> hydro-electricity sales representative	
<b>72106</b> hydrogen braze furnace man/woman	
<b>72106</b> hydrogen braze furnace operator	
<b>94103</b> hydrogen furnace tender - clay products	
<b>93101</b> hydrogen process plant operator	
<b>94140</b> hydrogenation operator - food and beverage processing	
<b>21331</b> hydrogeological engineer - engineering	
<b>21102</b> hydrogeologist	
<b>21331</b> hydrogeology engineer	
<b>21300</b> hydrographic engineer	
<b>22101</b> hydrographic survey technician	
<b>22101</b> hydrographic survey technologist	
<b>21102</b> hydrographic surveyor - geology	
<b>21300</b> hydrological engineer	
<b>22101</b> hydrological technician	
<b>21102</b> hydrologist	
<b>22101</b> hydrology technician	
<b>21322</b> hydrometallurgical engineer	
<b>21109</b> hydrometallurgist	
<b>21103</b> hydrometeorologist	
<b>94219</b> hydrometer assembler	
<b>72402</b> hydronics technician	
<b>80021</b> hydroponic greenhouse operator	
<b>85103</b> hydroponics labourer	
<b>80021</b> hydroponics operator	
<b>22114</b> hydroponics technician	
<b>85103</b> hydroponics worker	
<b>22230</b> hydrostatic tester	
<b>73300</b> hydrovac truck operator	
<b>41200</b> hygiene professor - university	
<b>31100</b> hyperbaric physician	
<b>32209</b> hypnotherapist	
<b>53121</b> hypnotist	
	<b>94219</b> ice chip maker tender
	<b>22214</b> ice conditions service specialist - meteorology
	<b>65201</b> ice cream counter attendant
	<b>94140</b> ice cream decorator - food and beverage processing
	<b>94140</b> ice cream maker
	<b>92012</b> ice cream making foreman/woman
	<b>94140</b> ice cream novelty maker
	<b>92012</b> ice cream processing assistant supervisor
	<b>65201</b> ice cream vendor
	<b>95106</b> ice cream worker - food and beverage processing
	<b>94219</b> ice machine tender
	<b>94219</b> ice maker
	<b>22214</b> ice observer
	<b>65211</b> ice rink attendant
	<b>62029</b> ice rink attendants supervisor
	<b>53122</b> ice sculptor
	<b>21102</b> ice specialist - oceanography
	<b>94219</b> ice-cutting machine tender
	<b>54100</b> ice-skating instructor
	<b>22110</b> ichthyological technician
	<b>22110</b> ichthyological technologist
	<b>21110</b> ichthyologist
	<b>95106</b> icing dipper - food and beverage processing
	<b>94140</b> icing machine operator - food and beverage processing
	<b>94140</b> icing maker - food and beverage processing
	<b>94140</b> icing mixer - food and beverage processing
	<b>94140</b> icing sugar mill tender
	<b>51100</b> iconographer
	<b>14102</b> identification clerk
	<b>42100</b> identification officer - police
	<b>94219</b> igniter assembler
	<b>53121</b> illusionist
	<b>52120</b> illustrator and graphic designer
	<b>52120</b> illustrator
	<b>64201</b> image consultant
	<b>94151</b> image processing operator
	<b>94151</b> image reproduction machine operator

<b>94151</b> image setter operator	<b>14301</b> import documentation clerk
<b>94151</b> image-processing system operator	<b>14400</b> import freight clerk
<b>52113</b> imagery technician - Canadian Armed Forces	<b>64101</b> import sales representative
<b>41302</b> imam	<b>14400</b> import traffic clerk
<b>95101</b> immersion metal cleaner - metal products manufacturing	<b>70020</b> import traffic manager
<b>13100</b> immigrant investors program coordinator	<b>12013</b> import traffic supervisor
<b>41403</b> immigrant settlement liaison officer	<b>64101</b> importer
<b>43203</b> Immigration Act enforcement officer	<b>64101</b> import-export tradesperson - wholesale
<b>43203</b> immigration agent - government services	<b>14112</b> imposition planner
<b>41403</b> immigration and citizenship consultant	<b>14112</b> impositor
<b>41403</b> immigration and demographic analysis officer	<b>94201</b> impregnator and dryer - electronic equipment manufacturing
<b>40010</b> immigration and settlement director - government services	<b>94106</b> impressing machine tender - metal machining
<b>40010</b> Immigration Appeal Division director - government services	<b>94105</b> impression die press operator - metal fabrication
<b>43203</b> immigration appeal officer	<b>53121</b> improviser
<b>40010</b> immigration appeals and litigation chief - government services	<b>72423</b> inboard-outboard mechanic
<b>40010</b> immigration appeals manager - government services	<b>72423</b> inboard-outboard motor mechanic
<b>41403</b> immigration consultant	<b>64409</b> inbound customer service representative - contact centre
<b>43203</b> immigration examiner	<b>94205</b> incandescent lamp making inspector
<b>43203</b> immigration examining officer	<b>64311</b> in-charge flight attendant
<b>43203</b> immigration inspector	<b>92011</b> incinerator foreman/woman
<b>41101</b> immigration lawyer	<b>95109</b> incinerator plant tender
<b>43203</b> immigration officer - government services	<b>94201</b> in-circuit test operator
<b>43203</b> immigration officers supervisor	<b>94129</b> incising machine tender - wood processing
<b>41403</b> immigration policy advisor	<b>40030</b> income maintenance director
<b>41403</b> immigration policy analyst	<b>42201</b> income maintenance officer - social services
<b>41403</b> immigration policy consultant - non-government	<b>41403</b> income maintenance program officer
<b>41403</b> immigration settlement practitioner	<b>40010</b> income security district administrator - government services
<b>31100</b> immunologist and allergologist	<b>40010</b> income security regional manager - government services
<b>21110</b> immunologist	<b>11100</b> income tax adjuster
<b>32120</b> immunology technologist - medical laboratory	<b>11100</b> income tax adviser
<b>94105</b> impact hammer operator - metal forging	<b>11100</b> income tax consultant
<b>53121</b> impersonator	<b>11100</b> income tax expert
<b>31110</b> implantologist - dentistry	<b>11100</b> income tax investigator
<b>13100</b> implementation officer	<b>14200</b> income tax return preparer
<b>14301</b> import clerk	<b>11100</b> income tax specialist
<b>64101</b> import company sales representative	<b>85100</b> incubator tender - livestock
<b>62100</b> import company technical sales specialist	<b>11103</b> independent floor trader

<b>42201</b> independent living instructor	<b>94141</b> industrial butcher
<b>41320</b> independent or applied studies officer	<b>21101</b> industrial chemist
<b>42200</b> independent paralegal	<b>75110</b> industrial chimney repairer-mason helper
<b>10010</b> independent public accountants chief	<b>65312</b> industrial cleaner
<b>41320</b> Indigenous advisor - college	<b>94213</b> industrial coater
<b>41403</b> Indigenous affairs officer	<b>72422</b> industrial coil winder-repairer
<b>41405</b> Indigenous curriculum and education specialist	<b>41402</b> industrial commissioner
<b>41210</b> Indigenous studies professor - college	<b>42101</b> industrial complex firefighter
<b>41200</b> Indigenous studies professor - university	<b>72103</b> industrial construction boilermaker
<b>94100</b> indium refiner	<b>70010</b> industrial construction manager
<b>72106</b> induction brazer operator	<b>73112</b> industrial construction painter
<b>94101</b> induction furnace operator - foundry	<b>22233</b> industrial construction safety inspector
<b>93100</b> induction furnace operator - mineral and metal processing	<b>22211</b> industrial design consultant
<b>94100</b> induction machine setter - primary metal processing	<b>22211</b> industrial designer
<b>94100</b> induction machine tender - primary metal processing	<b>40011</b> industrial development director - government services
<b>72106</b> induction solderer	<b>41402</b> industrial development officer
<b>94100</b> induration attendant - iron ore	<b>41402</b> industrial development representative
<b>11100</b> industrial accountant	<b>73200</b> industrial door installer
<b>21200</b> industrial and commercial buildings architect	<b>41401</b> industrial economist
<b>11201</b> industrial and commercial methods analyst	<b>21321</b> industrial efficiency engineer
<b>90010</b> industrial and manufacturing production manager	<b>94203</b> industrial electric equipment assembler
<b>41220</b> industrial and vocational education teacher - secondary school	<b>94203</b> industrial electric equipment fabricator
<b>41221</b> industrial arts teacher - elementary school	<b>94203</b> industrial electric equipment inspector
<b>41220</b> industrial arts teacher - secondary school	<b>22233</b> industrial electric installation inspector
<b>31112</b> industrial audiologist	<b>72201</b> industrial electrical repairer
<b>33109</b> industrial audiometric technician	<b>72011</b> industrial electrical systems foreman/woman
<b>11100</b> industrial auditor	<b>72201</b> industrial electrician apprentice
<b>73400</b> industrial backhoe operator	<b>72201</b> industrial electrician lead hand
<b>22110</b> industrial bacteriological technician	<b>72201</b> industrial electrician
<b>22110</b> industrial bacteriological technologist	<b>72011</b> industrial electricians foreman/woman
<b>21110</b> industrial bacteriologist	<b>72011</b> industrial electricians supervisor
<b>94205</b> industrial battery assembler	<b>21321</b> industrial engineer
<b>73209</b> industrial belt repairer	<b>22302</b> industrial engineering analyst
<b>94152</b> industrial binder - printing	<b>20010</b> industrial engineering manager
<b>72103</b> industrial boilermaker	<b>41200</b> industrial engineering professor - university
<b>94203</b> industrial brake and alternating current (AC) motor assembler	<b>21321</b> industrial engineering project manager
<b>95106</b> industrial butcher helper	<b>22302</b> industrial engineering technician
	<b>22302</b> industrial engineering technologist
	<b>14401</b> industrial engines and equipment apprentice

<b>14401</b> industrial engines and equipment partsperson - retail	<b>70012</b> industrial maintenance manager
<b>62100</b> industrial equipment sales engineer	<b>73112</b> industrial maintenance painter
<b>40041</b> industrial fire chief	<b>94141</b> industrial meat chopper
<b>42101</b> industrial firefighter	<b>94141</b> industrial meat cutter
<b>21111</b> industrial forester	<b>72400</b> industrial mechanic and millwright
<b>72320</b> industrial furnace bricklayer	<b>72400</b> industrial mechanic apprentice
<b>72320</b> industrial furnace brickmason	<b>75119</b> industrial mechanic helper
<b>95100</b> industrial furnace cleaner - primary metal and mineral products processing	<b>72400</b> industrial mechanic
<b>72302</b> industrial gas fitter-tester	<b>72020</b> industrial mechanics foreman/woman
<b>72302</b> industrial gas servicer	<b>72020</b> industrial mechanics supervisor
<b>41409</b> industrial geographer	<b>72400</b> industrial mechanic-welder
<b>22232</b> industrial health officer	<b>31102</b> industrial medical officer
<b>72103</b> industrial heat exchanger boilermaker	<b>31102</b> industrial medicine physician
<b>72400</b> industrial hoist mechanic	<b>21103</b> industrial meteorologist
<b>40010</b> industrial hygiene and health director - government services	<b>72422</b> industrial motor winder-repairer
<b>21320</b> industrial hygiene engineer	<b>94107</b> industrial needle machine setter-operator
<b>22232</b> industrial hygiene inspector	<b>94107</b> industrial needle machine set-up operator
<b>22100</b> industrial hygiene technologist	<b>94107</b> industrial needle maker
<b>41400</b> industrial hygienist	<b>31301</b> industrial nurse
<b>22312</b> industrial instrument mechanic	<b>14402</b> industrial order completion checking clerk
<b>22312</b> industrial instrument panel repairer	<b>72320</b> industrial oven brickmason
<b>75119</b> industrial instrument repairer helper	<b>94213</b> industrial paint baker
<b>22312</b> industrial instrument service technician	<b>94213</b> industrial paint dipper
<b>22312</b> industrial instrument technician	<b>94213</b> industrial paint finisher
<b>22312</b> industrial instrumentation and control technician	<b>94213</b> industrial paint mixer
<b>22312</b> industrial instrumentation and electrical technician	<b>94213</b> industrial paint sprayer operator
<b>41210</b> industrial instrumentation teacher	<b>94213</b> industrial painter
<b>22312</b> industrial instrumentation technician	<b>94213</b> industrial painters lead hand
<b>94107</b> industrial knitting needle machine feeder	<b>31120</b> industrial pharmacist
<b>41101</b> industrial lawyer	<b>53110</b> industrial photographer
<b>73310</b> industrial locomotive engineer	<b>31102</b> industrial physician
<b>72020</b> industrial machinery assembly foreman/woman	<b>65312</b> industrial plant cleaner
<b>72400</b> industrial machinery maintenance mechanic	<b>62024</b> industrial plant cleaning supervisor
<b>72020</b> industrial machinery manufacturing foreman/woman	<b>72400</b> industrial plant maintenance mechanic
<b>72020</b> industrial machinery mechanics foreman/woman	<b>22312</b> industrial process control equipment repairer
<b>75119</b> industrial machinery oiler	<b>22211</b> industrial products designer
<b>62100</b> industrial machinery sales representative	<b>94213</b> industrial products painter
	<b>72400</b> industrial pump repairer
	<b>22230</b> industrial radiographer - radiotelephony
	<b>22230</b> industrial radiographer
	<b>11200</b> industrial relations consultant

<b>41401</b> industrial relations economist	<b>40042</b> infantry officer
<b>10011</b> industrial relations manager	<b>44200</b> infantry soldier
<b>11200</b> industrial relations officer	<b>42202</b> infants' daycare worker
<b>21321</b> industrial safety engineer	<b>31301</b> infection control coordinator - hospital
<b>41210</b> industrial safety instructor	<b>31301</b> infection control nurse
<b>22232</b> industrial safety officer - occupational health and safety	<b>31301</b> infection control officer
<b>72400</b> industrial sewing machine mechanic	<b>31100</b> infectious disease physician
<b>94132</b> industrial sewing machine operator	<b>31100</b> infectious disease specialist
<b>95101</b> industrial sheet metal worker helper	<b>31100</b> infertility specialist
<b>72102</b> industrial sheet metal worker	<b>94219</b> inflated ball moulder
<b>64320</b> industrial site interpreter	<b>64311</b> in-flight service manager
<b>41409</b> industrial sociologist	<b>55109</b> influencer
<b>94213</b> industrial spray painter	<b>21222</b> informatics applications analyst
<b>11201</b> industrial standards quality auditor	<b>21221</b> informatics business analyst
<b>21210</b> industrial statistician	<b>21222</b> informatics consultant
<b>94205</b> industrial storage battery plate assembler	<b>21222</b> informatics quality assurance (QA) analyst
<b>62100</b> industrial supplies sales representative	<b>21220</b> informatics security analyst
<b>62100</b> industrial supplies salesperson	<b>21220</b> informatics security consultant
<b>64101</b> industrial tool sales representative	<b>10022</b> information and communications manager
<b>41401</b> industrial trade economist	<b>14100</b> information and records clerk
<b>92023</b> industrial truck assembly foreman/woman	<b>51100</b> information and reference librarian
<b>72423</b> industrial truck mechanic	<b>64409</b> information clerk - customer service
<b>75101</b> industrial truck operator	<b>62023</b> information clerks supervisor
<b>72423</b> industrial truck repairer	<b>11202</b> information consultant
<b>63221</b> industrial upholsterer	<b>11202</b> information coordinator
<b>14401</b> industrial warehouse person	<b>14101</b> information desk clerk
<b>95109</b> industrial washing machine tender	<b>51110</b> information editor
<b>21120</b> industrial waste control inspector	<b>12112</b> information management technician
<b>41400</b> industrial waste reduction program coordinator	<b>14101</b> information officer - Elections Canada
<b>21320</b> industrial waste treatment engineer	<b>11202</b> information officer
<b>92101</b> industrial waste treatment plant operator	<b>21223</b> information resource analyst
<b>72106</b> industrial welder	<b>11202</b> information service coordinator
<b>72020</b> industrial, farm and construction machinery mechanics and repairers foreman/woman	<b>10022</b> information service manager
<b>40011</b> industry, trade and technology director - government services	<b>51100</b> information services librarian
<b>41210</b> industry-based instructor	<b>21222</b> information systems analyst - computer systems
<b>41210</b> industry-based trainer	<b>21221</b> information systems business analyst
<b>42202</b> infant daycare workers supervisor	<b>21222</b> information systems contingency planner
<b>32102</b> infant transport attendant	<b>20012</b> information systems development director
<b>44200</b> infanteer	<b>21221</b> information systems implementation consultant
	<b>20012</b> information systems manager

<b>20012</b> information systems operations director	<b>41220</b> information technology teacher - secondary school
<b>21222</b> information systems quality assurance (QA) analyst	<b>22230</b> infrared technician
<b>21221</b> information systems technical analyst	<b>22230</b> infrared tester
<b>21221</b> information systems technical specialist	<b>22230</b> infrared thermographer
<b>00014</b> information systems vice president - trade, broadcasting and other services	<b>22230</b> infrared thermography technician
<b>00012</b> information systems vice-president - financial, communications and other business services	<b>21311</b> infrastructure architect - information technology (IT)
<b>00015</b> information systems vice-president - goods production, utilities, transportation and construction	<b>94100</b> ingot buggy operator
<b>00013</b> information systems vice-president - health, education, social and community services and membership organizations	<b>95100</b> ingot cladder
<b>21222</b> information technology (IT) analyst	<b>94100</b> ingot finishing operator
<b>21222</b> information technology (IT) auditor	<b>94100</b> ingot header
<b>21221</b> information technology (IT) business analyst	<b>94104</b> ingots inspector - primary metal processing
<b>21222</b> information technology (IT) consultant	<b>94140</b> ingredients scaler and dispenser - food and beverage processing
<b>21222</b> information technology (IT) consulting account manager	<b>32103</b> inhalation technologist
<b>21223</b> Information technology (IT) data analyst	<b>83100</b> in-hole drill operator - underground mining
<b>20012</b> information technology (IT) development manager	<b>84100</b> in-hole driller helper - underground mining
<b>20012</b> information technology (IT) director	<b>41101</b> in-house legal counsel
<b>21222</b> information technology (IT) engineer	<b>11200</b> in-house training manager
<b>20012</b> information technology (IT) implementation manager	<b>94111</b> injection blow moulding processing operator
<b>20012</b> information technology (IT) Infrastructure engineering manager	<b>94111</b> injection molding set-up operator
<b>20012</b> information technology (IT) integration manager	<b>94111</b> injection moulder - plastic manufacturing
<b>21222</b> information technology (IT) operations analyst	<b>94111</b> injection moulder operator - plastic manufacturing
<b>21220</b> information technology (IT) project manager - cybersecurity	<b>92013</b> injection moulding foreman/woman - rubber and plastic manufacturing
<b>21222</b> information technology (IT) project manager	<b>94111</b> injection moulding operator - plastic manufacturing
<b>21220</b> information technology (IT) security analyst	<b>94111</b> injection moulding processing operator
<b>21220</b> Information technology (IT) security architect	<b>92013</b> injection moulding supervisor - plastic products manufacturing
<b>21220</b> information technology (IT) security consultant	<b>22302</b> injection moulding technician
<b>21220</b> information technology (IT) security specialist	<b>72101</b> injection moulding tool and die maker
<b>20012</b> information technology (IT) service delivery manager	<b>72101</b> injection mouldmaker
<b>21311</b> information technology (IT) solutions engineer	<b>94111</b> injection operator - plastic manufacturing
<b>21222</b> information technology (IT) specialist	<b>94111</b> injection plastic moulder
<b>22221</b> information technology (IT) support analyst	<b>94111</b> injection-moulding machine lead operator - plastic manufacturing
<b>22221</b> information technology (IT) support technician	<b>94111</b> injection-moulding machine operator - plastic manufacturing
	<b>73401</b> ink evaluation and press operator - printing
	<b>73401</b> ink evaluation pressman/woman - printing
	<b>95109</b> ink fountain cleaner - printing

<b>94110</b> ink matcher	<b>94152</b> inserting machine operator - printing
<b>92011</b> ink preparation foreman/forewoman - chemical processing	<b>74100</b> inserting machine tender - mail and parcel sorting
<b>94110</b> ink purifier	<b>83121</b> inshore fisherman/woman
<b>53122</b> ink sketcher	<b>95109</b> insole filler - footwear manufacturing
<b>72602</b> inland navigation mate	<b>94219</b> insole tape machine operator
<b>54100</b> inline skating instructor	<b>94219</b> insole-moulding machine operator
<b>60031</b> inn manager	<b>94219</b> insole-moulding machine tender
<b>60031</b> inn operator	<b>94219</b> insole-tacking machine operator
<b>92013</b> inner tube building foreman/woman	<b>94133</b> inspecting machine tender - textiles
<b>92013</b> inner tube building supervisor	<b>92010</b> inspecting, testing and grading foreman/woman - primary metal and mineral products processing
<b>95104</b> inner tube checker - rubber products manufacturing	<b>92015</b> inspection foreman/woman - textile processing
<b>94112</b> inner tube finisher - rubber products manufacturing	<b>40012</b> inspection services director - education
<b>95104</b> inner tube inserter - rubber products manufacturing	<b>43202</b> inspector - by-law enforcement
<b>95104</b> inner tube repairer - rubber products manufacturing	<b>41405</b> inspector - education
<b>94112</b> inner tube skiver - rubber products manufacturing	<b>94202</b> inspector - electrical appliance assembly
<b>94112</b> inner tube sorter - rubber reclaiming	<b>94201</b> inspector - electronic equipment manufacturing
<b>94112</b> inner tube valve builder	<b>94133</b> inspector - fabric products manufacturing
<b>94112</b> inner tube vulcanizer tender - rubber products manufacturing	<b>94133</b> inspector - fur products manufacturing
<b>94112</b> inner-tube-processing equipment tender - rubber products manufacturing	<b>94210</b> inspector - furniture manufacturing
<b>60031</b> innkeeper	<b>94203</b> inspector - large transformer manufacturing
<b>21101</b> inorganic chemist	<b>65320</b> inspector - laundry and dry cleaning
<b>31100</b> inpatient physician	<b>94104</b> inspector - metal processing
<b>94200</b> in-process assembly inspector - automobile assembly	<b>43202</b> inspector - municipal law enforcement
<b>94202</b> in-process inspector - electric equipment manufacturing	<b>94104</b> inspector - primary metal and mineral products processing
<b>14112</b> input compositor - typesetting	<b>94201</b> inspector - printed circuit board fabrication
<b>14112</b> input operator - typesetting	<b>94133</b> inspector - textiles
<b>40010</b> inquiries and services chief - employment insurance	<b>94123</b> inspector - wood processing
<b>21110</b> insect physiologist	<b>14202</b> inspector and bill collector - electric power company
<b>51101</b> insectarium conservator	<b>14202</b> inspector and bill collector - gas company
<b>51101</b> insectarium curator	<b>00011</b> inspector general of financial institutions
<b>53100</b> insectarium interpreter	<b>22111</b> inspector of perishable goods
<b>94110</b> insecticide mixer	<b>92015</b> inspector, grader, sampler and tester foreman/woman - fabric, fur and leather products manufacturing
<b>95109</b> inserter - printing	<b>72403</b> inspector-carman/woman - railway
	<b>92021</b> inspectors and testers foreman/woman - electronic equipment fabrication, assembly, installation and repair

<b>72205</b> installation and repair technician - telecommunications	<b>42203</b> instructor of persons with developmental disabilities
<b>72011</b> installation foreman/woman - telecommunications	<b>42203</b> instructor of persons with disabilities
<b>72205</b> installation service technician - cable television	<b>42203</b> instructor of persons with intellectual disabilities
<b>10030</b> installation superintendent - telecommunications	<b>42203</b> instructor of persons with special needs
<b>94201</b> installer - electronic equipment manufacturing	<b>94200</b> instrument cluster assembler - motor vehicle manufacturing
<b>72205</b> installer - telecommunications	<b>72601</b> instrument flight rules air traffic controller
<b>22311</b> installer and repairer - household and business equipment	<b>22313</b> instrument inspector and tester - avionics
<b>75119</b> installer helper - telecommunications	<b>22312</b> instrument maintenance mechanic
<b>72011</b> installers and repairers foreman/woman - telecommunications	<b>22213</b> instrument man/woman - surveying
<b>14202</b> instalment collector	<b>22313</b> instrument mechanic - avionics
<b>94140</b> instant coffee dryer	<b>22312</b> instrument mechanic - utilities
<b>94140</b> instant coffee extractor operator	<b>22213</b> instrument operator - surveying
<b>94140</b> instant powdered foods equipment operator	<b>22313</b> instrument overhaul and repair mechanic - avionics
<b>41210</b> institute of technology teacher	<b>22313</b> instrument overhaul technician - avionics
<b>72200</b> institution electrician	<b>94200</b> instrument panel assembler - automobile assembly
<b>43201</b> institution guard - correctional service	<b>94200</b> instrument panel electrical tester - motor vehicle manufacturing
<b>33102</b> institutional aide	<b>22213</b> instrument person - surveying
<b>63200</b> institutional cook	<b>73209</b> instrument salvage inspector
<b>64101</b> institutional food services sales representative	<b>22313</b> instrument shop inspector - avionics
<b>40020</b> institutional research director	<b>33109</b> instrument sterilizer - medical
<b>43100</b> instructional assistant - primary and secondary school	<b>51122</b> instrumental music teacher - private, conservatory or studio lessons
<b>51112</b> instructional designer	<b>51122</b> instrumental musician
<b>41210</b> instructor - business college	<b>51122</b> instrumentalist
<b>41210</b> instructor - commercial college	<b>21310</b> instrumentation and control engineer
<b>41210</b> instructor - company	<b>21310</b> instrumentation engineer
<b>41210</b> instructor - industry	<b>22313</b> instruments and accessories inspector - avionics
<b>41210</b> instructor - language school	<b>72014</b> insulating contractor
<b>41210</b> instructor - private training institute	<b>94219</b> insulating panel maker
<b>41210</b> instructor - technical school	<b>94219</b> insulating tube winder
<b>41210</b> instructor - technology institute	<b>72321</b> insulation applicator
<b>41210</b> instructor - vocational school	<b>94219</b> insulation batt cutter operator
<b>42203</b> instructor of persons who are blind	<b>94219</b> insulation blanket maker
<b>42203</b> instructor of persons who are deaf	<b>75110</b> insulation blower helper
<b>42203</b> instructor of persons who are hard of hearing	<b>75110</b> insulation blower operator
<b>42203</b> instructor of persons with a learning disability	<b>75110</b> insulation blower
<b>42203</b> instructor of persons with a mobility impairment	<b>94121</b> insulation board dryer tender
<b>42203</b> instructor of persons with a visual impairment	



<b>94129</b> insulation board press tender	<b>10020</b> insurance manager
<b>72014</b> insulation contractor	<b>10020</b> insurance managing director
<b>94202</b> insulation cutter and former - electrical equipment manufacturing	<b>42200</b> insurance paralegal
<b>72014</b> insulation foreman/woman	<b>14202</b> insurance premium collector
<b>75110</b> insulation hoseman/woman	<b>14201</b> insurance rater
<b>94202</b> insulation installer - electrical equipment manufacturing	<b>12202</b> insurance rating analyst
<b>72321</b> insulation installer	<b>10020</b> insurance regional manager
<b>94107</b> insulation machine operator - metal products manufacturing	<b>63100</b> insurance sales agent
<b>94107</b> insulation machine operator	<b>10020</b> insurance sales district manager
<b>94103</b> insulation mat machine operator - stone products	<b>10020</b> insurance sales manager
<b>72321</b> insulation mechanic	<b>63100</b> insurance sales representative
<b>95100</b> insulation packer - mineral products manufacturing	<b>63100</b> insurance sales supervisor
<b>95104</b> insulation packer - rubber products manufacturing	<b>63100</b> insurance salesman/woman
<b>64101</b> insulation salesperson - wholesale	<b>12202</b> insurance underwriter
<b>72014</b> insulation specialists foreman/woman	<b>73401</b> intaglio printer - printing
<b>72014</b> insulation supervisor	<b>73401</b> intaglio printing press operator
<b>72321</b> insulator apprentice	<b>41300</b> intake worker - social services
<b>94103</b> insulator builder - clay products	<b>92021</b> integrated circuit (IC) fabrication supervisor - electronic equipment manufacturing
<b>75110</b> insulator helper	<b>94201</b> integrated circuit assembler
<b>95109</b> insulator tester	<b>70020</b> integrated logistics manager
<b>72321</b> insulator	<b>70020</b> integrated logistics programs director
<b>72014</b> insulators foreman/woman	<b>92021</b> integrated-circuit-board fabrication supervisor - electronic equipment manufacturing
<b>21210</b> insurance actuary	<b>95102</b> integrator operator
<b>12201</b> insurance adjuster	<b>12104</b> integrity services investigator - government services
<b>63100</b> insurance agent supervisor	<b>12104</b> integrity services investigator - Service Canada
<b>63100</b> insurance agent	<b>12104</b> integrity services officer - government services
<b>12203</b> insurance appraiser	<b>12104</b> integrity services officer - Service Canada
<b>10020</b> insurance benefits executive director	<b>42201</b> intellectual disabilities worker
<b>63100</b> insurance broker	<b>41101</b> intellectual-property lawyer
<b>10020</b> insurance claims service manager	<b>41407</b> intelligence analyst - security
<b>14201</b> insurance clerk - financial sector	<b>41407</b> intelligence officer - security
<b>00012</b> insurance company general manager	<b>41407</b> intelligence operator - Canadian Armed Forces
<b>12201</b> insurance inspector	<b>41407</b> intelligence operator - security
<b>42200</b> insurance law clerk	<b>31301</b> intensive care nurse
<b>41101</b> insurance lawyer	<b>31301</b> intensive care unit (ICU) nurse
<b>13111</b> insurance legal assistant	<b>21233</b> interactive media consultant
<b>22231</b> insurance loss prevention inspector	<b>52120</b> interactive media designer
	<b>21232</b> interactive media developer
	<b>21232</b> interactive media programmer

<b>51111</b> interactive media writer	<b>11100</b> intermediate accountant
<b>11109</b> interbanking arrangements officer	<b>32102</b> intermediate care paramedic
<b>73301</b> intercity bus driver	<b>32100</b> intern optician
<b>14201</b> interest clerk	<b>31120</b> intern pharmacist
<b>41400</b> interface ergonomist	<b>31102</b> intern
<b>40019</b> intergovernmental affairs chief	<b>10010</b> internal audit manager
<b>40019</b> intergovernmental affairs director	<b>11100</b> internal audit project manager
<b>41407</b> intergovernmental affairs officer	<b>10010</b> internal audit services manager
<b>40019</b> intergovernmental relations chief	<b>11100</b> internal audit supervisor - finances
<b>40019</b> intergovernmental relations director	<b>11100</b> internal auditor - finances
<b>75110</b> interior and exterior wall erector helper	<b>11100</b> internal auditor
<b>52121</b> interior decorating consultant	<b>11100</b> internal auditors supervisor - finances
<b>52121</b> interior decorator	<b>94204</b> internal combustion engine assembler
<b>52121</b> interior design consultant	<b>21301</b> internal combustion engineer
<b>52121</b> interior design project manager	<b>31100</b> internal medicine specialist
<b>41210</b> interior design teacher	<b>41403</b> international aid and development project officer
<b>52121</b> interior design technician	<b>41403</b> international aid and development researcher
<b>52121</b> interior designer assistant	<b>10021</b> international banking manager
<b>52121</b> interior designer	<b>00012</b> international banking operations vice-president
<b>73102</b> interior drywall installer	<b>41402</b> international development and assistance researcher
<b>73102</b> interior drywall systems installer	<b>14101</b> international exchange operator - telephone system
<b>72310</b> interior finish carpenter	<b>41402</b> international marketing specialist
<b>72310</b> interior finish joiner	<b>40030</b> international program director - cooperative
<b>75110</b> interior finisher helper	<b>40019</b> international relations chief - government
<b>94200</b> interior finishing assembler - automobile assembly	<b>40019</b> international relations director - government
<b>22114</b> interior plantscape specialist	<b>41403</b> international relations specialist
<b>85103</b> interior landscaper	<b>52114</b> international service announcer-producer
<b>82031</b> interior landscaping contractor	<b>41320</b> international student adviser
<b>52121</b> interior space designer	<b>41401</b> international trade economist
<b>72310</b> interior systems carpenter	<b>40011</b> international trade policy assistant director - government services
<b>94204</b> interior trailer finisher	<b>40011</b> international trade policy manager - government services
<b>94200</b> interior trim assembler - automobile assembly	<b>70020</b> international traffic manager
<b>72310</b> interior trimmer carpenter	<b>60030</b> Internet café manager
<b>75110</b> interior wall finisher helper	<b>10022</b> Internet communications manager
<b>14300</b> interlibrary loan clerk	<b>52120</b> Internet graphic designer
<b>74200</b> interlocking cabin switcher - railway yard	
<b>72014</b> interlocking paving stone contractor	
<b>73200</b> interlocking paving stone installer	

<b>21234</b> Internet site developer	<b>11103</b> investment broker
<b>10022</b> Internet site manager	<b>94101</b> investment caster - foundry
<b>20012</b> Internet systems administrator	<b>14200</b> investment clerk
<b>22220</b> Internet Web site technician	<b>11101</b> investment consultant
<b>31100</b> internist	<b>11103</b> investment dealer
<b>53120</b> interpretative dancer	<b>10020</b> investment director - financial brokerage
<b>21110</b> interpretative naturalist	<b>41401</b> investment economist
<b>51114</b> interpreter for persons who are deaf	<b>10021</b> investment manager - bank or trust company
<b>51114</b> interpreter	<b>10021</b> investment manager - banking, credit and investment
<b>14111</b> interpreting machine operator - data entry	<b>10020</b> investment manager - financial brokerage
<b>53120</b> interpretive dancer	<b>11103</b> investment representative
<b>53100</b> interpretive guide - museum	<b>11102</b> investment specialist
<b>40019</b> interprovincial relations chief	<b>10010</b> investments research director
<b>14112</b> Intertype machine operator	<b>14403</b> invoice and purchase order checker
<b>14110</b> interview clerk	<b>14200</b> invoice clerk
<b>12101</b> interviewer - human resources	<b>14403</b> invoice control clerk
<b>14110</b> interviewer - survey or poll	<b>93100</b> ion exchange operator
<b>83100</b> in-the-hole (ITH) driller	<b>32209</b> iridologist
<b>21233</b> Intranet site designer	<b>85102</b> Irish moss gatherer
<b>21234</b> Intranet site developer	<b>72106</b> iron brazer
<b>33100</b> intra-oral dental assistant	<b>94101</b> iron caster - foundry
<b>53122</b> Inuit art sculptor	<b>94101</b> iron moulder - foundry
<b>14403</b> inventory analyst	<b>94100</b> iron ore pellet agglomerating attendant
<b>14403</b> inventory auditor	<b>94104</b> iron pellet hardness tester - metal processing
<b>14403</b> inventory clerk	<b>72105</b> iron structure erector
<b>12013</b> inventory clerks supervisor	<b>65320</b> ironer - laundry and dry cleaning
<b>14403</b> inventory control clerk	<b>72010</b> ironwork contractor
<b>10019</b> inventory control manager	<b>72010</b> ironwork supervisor
<b>12013</b> inventory control supervisor	<b>72105</b> ironworker - metal building systems erector
<b>22302</b> inventory control technician	<b>72105</b> ironworker - ornamental
<b>12013</b> inventory management officer	<b>72105</b> ironworker - reinforcing rebar
<b>10019</b> inventory manager	<b>72105</b> ironworker apprentice
<b>14403</b> inventory planner	<b>72105</b> ironworker generalist
<b>21110</b> invertebrate zoologist	<b>75110</b> ironworker helper
<b>51101</b> invertebrate zoology curator	<b>72105</b> ironworker
<b>51101</b> invertebrate zoology museum curator	<b>72010</b> ironworkers foreman/woman
<b>64410</b> investigations officer - postal service	<b>21300</b> irrigation and drainage engineer
<b>40040</b> investigative inspector - police	<b>21112</b> irrigation consultant - agriculture
<b>51113</b> investigative reporter	<b>90011</b> irrigation district manager
<b>41310</b> investigator - police	<b>21300</b> irrigation engineer
<b>11101</b> investment analyst	

**22233** irrigation inspector - construction  
**82030** irrigation supervisor - agriculture  
**73200** irrigation system installer  
**73200** irrigation technician - installation and maintenance  
**22114** irrigation technician (except agriculture)  
**85101** irrigation worker - agriculture  
**85101** irrigator - agriculture  
**11201** ISO consultant  
**41220** Italian teacher - secondary school  
**42201** itinerant support service worker

## J

**95103** jack ladder tender  
**83100** jack leg drill operator - underground mining  
**75101** jack lift operator  
**84100** jack operator - underground mining  
**53123** jacket designer  
**94133** jacket manufacturing inspector  
**75110** jackhammer operator - construction  
**94131** jacquard card cutter - textiles  
**94131** jacquard card lacer - textiles  
**94131** jacquard card-cutting machine operator - textiles  
**94131** jacquard card-lacing machine operator - textiles  
**72400** jacquard loom fixer - textile manufacturing  
**94131** jacquard loom heddles tier  
**94131** jacquard loom knitter  
**94131** jacquard loom pattern changer  
**72400** jacquard loom setter - textile manufacturing  
**94131** jacquard loom weaver  
**94131** jacquard machine knitter  
**94131** jacquard machine operator  
**43201** jail guard  
**43201** jailer  
**92012** jam and jelly processing foreman/woman  
**94140** jam processor operator  
**62024** janitor supervisor  
**65312** janitor  
**60040** janitorial services manager  
**64101** janitorial services sales representative  
**53200** javelin thrower  
**65211** J-bar attendant  
**65211** J-bar operator  
**94131** jersey knitter  
**62202** jewel setter  
**62202** jeweller  
**92024** jewellery and silverware manufacturing worker foreman/woman  
**94219** jewellery annealer  
**62202** jewellery appraiser  
**94219** jewellery assembler  
**94219** jewellery assembly inspector  
**92024** jewellery assembly supervisor  
**94219** jewellery case assembler  
**62202** jewellery chaser  
**94219** jewellery cleaner  
**53123** jewellery designer  
**72101** jewellery die cutter  
**72101** jewellery die sinker  
**53124** jewellery engraver  
**94219** jewellery filer  
**62202** jewellery hammersmith  
**94219** jewellery inspector  
**92024** jewellery manufacturing foreman/woman  
**62202** jewellery model maker  
**62202** jewellery moulder  
**94219** jewellery parts assembler  
**95109** jewellery pickler and dipper  
**94219** jewellery polisher  
**62202** jewellery repairer  
**92024** jewellery repairing foreman/woman - manufacturing  
**62202** jewellery repairman/woman  
**94219** jewellery riveter  
**64100** jewellery salesperson  
**62202** jewellery sample maker  
**94219** jewellery solderer  
**60020** jewellery store manager  
**94219** jewellery strip roller  
**94219** jewellery turner  
**94219** jewellery wire finisher

<b>94219</b> jewellery-soldering machine tender	<b>94132</b> joiner sewing machine operator
<b>72500</b> jib crane operator	<b>94103</b> joint sawyer - concrete, clay and stone products
<b>72101</b> jig and form maker	<b>94124</b> jointer - woodworking
<b>72311</b> jig builder - wood products manufacturing	<b>94124</b> jointer operator - woodworking
<b>94106</b> jig grinder set-up operator	<b>94129</b> jointer tender - wood processing
<b>72101</b> jig maker - die casting and plastic moulding	<b>94124</b> jointing machine operator - woodworking
<b>72101</b> jig maker - metal products manufacturing	<b>94103</b> jollier - clay products
<b>72101</b> jig maker	<b>74200</b> journal box greaser - railway yard
<b>72106</b> jig welder-fitter	<b>51110</b> journal editor
<b>72101</b> jig-bore tool maker	<b>14200</b> journal entry audit clerk
<b>94103</b> jigger operator - clay products	<b>14200</b> journal entry clerk
<b>94130</b> jigger operator - textile manufacturing	<b>41200</b> journalism professor - university
<b>95100</b> jigger operator helper - mineral products processing	<b>41210</b> journalism teacher - college level
<b>94103</b> jiggerman/woman - clay products	<b>51113</b> journalist
<b>94124</b> jigsaw operator - woodworking	<b>72103</b> journeyman/woman boilermaker
<b>75101</b> jitney driver - material handling	<b>72320</b> journeyman/woman bricklayer
<b>11200</b> job analyst	<b>72320</b> journeyman/woman brickmason
<b>11200</b> job and wage analyst	<b>72311</b> journeyman/woman cabinetmaker
<b>11200</b> job classification system analyst	<b>72310</b> journeyman/woman carpenter
<b>42203</b> job coach for persons with disabilities	<b>73100</b> journeyman/woman cement finisher
<b>14112</b> job compositor - typesetting	<b>72200</b> journeyman/woman construction electrician
<b>41321</b> job counsellor - government services	<b>63200</b> journeyman/woman cook
<b>41321</b> job counsellor	<b>73102</b> journeyman/woman drywall installer
<b>41403</b> job creation and employment services evaluation officer	<b>72406</b> journeyman/woman elevator constructor
<b>11200</b> job evaluation analyst	<b>72406</b> journeyman/woman elevator mechanic
<b>10011</b> job evaluation and salary research manager	<b>73113</b> journeyman/woman floor covering installer
<b>11200</b> job evaluation supervisor	<b>73113</b> journeyman/woman floor mechanic
<b>11200</b> job evaluator	<b>72302</b> journeyman/woman gas fitter
<b>94101</b> job moulder - foundry	<b>73111</b> journeyman/woman glazier
<b>12013</b> job order clerks supervisor - manufacturing	<b>72401</b> journeyman/woman heavy-duty equipment mechanic
<b>73401</b> job printer	<b>72201</b> journeyman/woman industrial electrician
<b>41321</b> job search trainer	<b>72400</b> journeyman/woman industrial mechanic
<b>40010</b> job training director - government services	<b>72321</b> journeyman/woman insulator
<b>65211</b> jockey helper	<b>72105</b> journeyman/woman ironworker
<b>65211</b> jockey room custodian	<b>73102</b> journeyman/woman lather
<b>65211</b> jockey valet	<b>72204</b> journeyman/woman lineman/woman - telecommunications
<b>53200</b> jockey	<b>72100</b> journeyman/woman machinist
<b>95109</b> jogger - printing	<b>72320</b> journeyman/woman mason
<b>75110</b> joiner helper - construction	<b>72411</b> journeyman/woman motor vehicle body repairer

**73112** journeyman/woman painter and decorator  
**72301** journeyman/woman pipefitter  
**73102** journeyman/woman plasterer  
**72300** journeyman/woman plumber  
**72402** journeyman/woman refrigeration and air conditioning mechanic  
**72105** journeyman/woman reinforcing ironworker  
**73110** journeyman/woman roofer  
**72102** journeyman/woman sheet metal worker  
**72301** journeyman/woman sprinkler system installer  
**72301** journeyman/woman steamfitter-pipefitter  
**72320** journeyman/woman stonemason  
**73101** journeyman/woman tilesetter  
**72101** journeyman/woman tool and die maker  
**72501** journeyman/woman water well driller  
**72106** journeyman/woman welder  
**41100** judge - law  
**53202** judge, sport competitions  
**41101** judicial assistant - Supreme Court  
**13111** judicial assistant  
**14103** judicial clerk  
**14103** judicial officer - court administrative services  
**42200** judicial officer - courts  
**42200** judicial officer  
**14103** judicial official  
**14103** judicial services administrator  
**54100** judo instructor  
**53200** judoka  
**53121** juggler  
**95106** juice blender  
**54100** jujitsu instructor  
**73209** juke box mechanic  
**94100** jumbo casting operator - zinc melting  
**83100** jumbo drill operator - underground mining  
**84100** jumbo drill operator helper - underground mining  
**83100** jumbo drill operator  
**94120** jumbo operator - sawmill  
**84100** jumbo operator helper - underground mining  
**53200** jumper  
**94103** junction maker - concrete, clay and stone products

**63202** junior baker  
**14200** junior billing clerk  
**72603** junior engineer - water transport  
**22303** junior estimator - construction  
**11101** junior financial analyst  
**82020** junior foreman/woman - mining  
**41221** junior high school teacher  
**53201** junior hockey coach  
**14200** junior invoice clerk  
**14100** junior office clerk  
**12202** junior underwriter - insurance  
**51114** jurilinguist translator  
**42200** justice of the peace magistrate  
**42200** justice of the peace  
**41100** justice  
**41100** juvenile court judge

## K

**54100** karate instructor  
**65220** kennel attendant  
**65220** kennel keeper  
**60040** kennel manager  
**80020** kennel operator  
**65220** kennelman/woman  
**64321** keno dealer  
**64321** keno runner - casino  
**64321** keno writer  
**94140** ketchup maker  
**94100** kettle charger  
**94110** kettle operator - chemical processing  
**94110** kettle tender - chemical processing  
**94100** kettle tender - primary metal processing  
**94130** kettle tender - textile manufacturing  
**94140** kettleman/woman - food processing  
**60010** key accounts manager - sales  
**63102** key accounts specialist  
**52119** key dresser  
**52119** key grip  
**62010** key holder - retail store  
**14112** keyboard operator - typesetting

<b>51122</b> keyboardist	<b>95105</b> knitter helper
<b>94106</b> keyseating machine operator	<b>92015</b> knitting - textile processing foreman/woman
<b>53201</b> kickboxing trainer	<b>94131</b> knitting area patroller - textiles
<b>32129</b> kidney dialysis technician	<b>92015</b> knitting foreman/woman - textile processing
<b>32129</b> kidney dialysis technologist	<b>92015</b> knitting foreman/woman
<b>94130</b> kier-boiler tender - textile manufacturing	<b>94133</b> knitting inspector
<b>95100</b> kiln cleaner - primary metal and mineral products processing	<b>72400</b> knitting machine adjuster - textile manufacturing
<b>95100</b> kiln door builder - mineral products processing	<b>72400</b> knitting machine fixer - textile manufacturing
<b>94103</b> kiln fireman/woman - clay products	<b>72400</b> knitting machine mechanic
<b>95100</b> kiln labourer - primary metal and mineral products processing	<b>94131</b> knitting machine operator
<b>95100</b> kiln labourer	<b>72400</b> knitting machine setter - textile manufacturing
<b>95100</b> kiln operator helper - mineral products manufacturing	<b>94131</b> knitting machine tender
<b>72320</b> kiln repair bricklayer	<b>72400</b> knitting pattern setter - textile manufacturing
<b>92010</b> kiln workers foreman/woman - clay products	<b>92015</b> knitting supervisor - textile processing
<b>94103</b> kilnman/woman - clay products	<b>92015</b> knitting supervisor
<b>94121</b> kiln-recaust operator - pulp and paper	<b>94131</b> knotting machine operator - textiles
<b>31204</b> kinanthropologist	<b>94107</b> knurling machine feeder
<b>41221</b> kindergarten teacher	<b>63200</b> kosher foods cook
<b>31204</b> kinesiologist	<b>94143</b> kosher inspector - food and beverage processing
<b>32109</b> kinesitherapist	
<b>44100</b> kinship care provider	<b>L</b>
<b>44100</b> kinship caregiver	<b>95109</b> label brander
<b>64409</b> kiosk information clerk	<b>95106</b> label coder - food and beverage processing
<b>64100</b> kiosk sales clerk	<b>94122</b> label cutter - paper converting
<b>73200</b> kitchen cabinet installer	<b>95109</b> label heat tacker
<b>73200</b> kitchen cupboard and vanity installer	<b>94121</b> label operator - papermaking
<b>52121</b> kitchen designer	<b>94150</b> label printer
<b>65201</b> kitchen helper	<b>94219</b> label-cutting machine tender
<b>62020</b> kitchen manager	<b>65220</b> laboratory animal attendant
<b>73200</b> kitchen unit installer	<b>65220</b> laboratory animal care worker
<b>94219</b> knife assembler	<b>32104</b> laboratory animal technician
<b>94107</b> knife blade polisher	<b>32104</b> laboratory animal technologist
<b>94219</b> knife inspector	<b>31103</b> laboratory animal veterinarian
<b>95109</b> knife parts cementer - processing and manufacturing	<b>22100</b> laboratory assistant - applied chemistry
<b>94219</b> knit tubing slitter tender	<b>33101</b> laboratory assistant - medical
<b>94133</b> knitted fabric inspector	<b>21101</b> laboratory chemist
<b>95105</b> knitted fabric turner	<b>41201</b> laboratory demonstrator - post-secondary teaching assistance
<b>94131</b> knitter - textiles	<b>20011</b> laboratory director
	<b>65311</b> laboratory equipment cleaner

<b>73200</b> laboratory equipment installer	<b>40010</b> labour regional director - government services
<b>65311</b> laboratory facilities cleaner	<b>11200</b> labour relations board officer
<b>73200</b> laboratory furnishings installer	<b>14102</b> labour relations clerk
<b>21110</b> laboratory immunologist	<b>41407</b> labour relations commission officer
<b>20011</b> laboratory manager	<b>11200</b> labour relations consultant
<b>41201</b> laboratory supervisor - post-secondary teaching assistant	<b>11200</b> labour relations coordinator
<b>22101</b> laboratory technician - metallurgy	<b>10011</b> labour relations director
<b>41200</b> laboratory technology professor - university	<b>10011</b> labour relations manager
<b>22100</b> laboratory tester - pulp and paper	<b>11200</b> labour relations officer
<b>22100</b> laboratory tester	<b>11200</b> labour relations returning officer
<b>11200</b> labour adjudicator	<b>11200</b> labour relations specialist
<b>41403</b> labour affairs officer - labour policy	<b>41403</b> labour standards analyst
<b>22232</b> labour affairs officer - occupational health and safety	<b>22232</b> labour standards officer
<b>40010</b> labour demand analysis chief - government services	<b>11200</b> labour union business agent
<b>41401</b> labour economist	<b>11200</b> labour union liaison officer
<b>12101</b> labour force consultant	<b>95102</b> labourer - chemical processing
<b>41404</b> labour force planning consultant - health sector	<b>95106</b> labourer - food and beverage processing
<b>42200</b> labour law clerk	<b>95102</b> labourer - gas utility
<b>13111</b> labour law legal assistant	<b>75101</b> labourer - material handling
<b>42200</b> labour law paralegal	<b>95101</b> labourer - metal fabrication
<b>41101</b> labour lawyer	<b>95100</b> labourer - metallurgy
<b>40011</b> labour market analysis director - government services	<b>95100</b> labourer - mineral and metal processing
<b>41403</b> labour market analyst	<b>85110</b> labourer - mining exploration
<b>41401</b> labour market information analyst	<b>95109</b> labourer - packaging company
<b>41321</b> labour market information consultant	<b>95109</b> labourer - packaging
<b>41403</b> labour market information officer	<b>95104</b> labourer - plastic products manufacturing
<b>41403</b> labour market policy officer	<b>95100</b> labourer - primary metal and mineral products processing
<b>41403</b> labour mobility policy consultant	<b>95109</b> labourer - printing
<b>11200</b> labour organization agent	<b>95103</b> labourer - pulp and paper
<b>11200</b> labour organization business agent	<b>95104</b> labourer - rubber products manufacturing
<b>11200</b> labour organization business representative	<b>75212</b> labourer - sanitary service
<b>11200</b> labour organization liaison officer	<b>95109</b> labourer - shoe manufacturing
<b>40030</b> labour organization manager	<b>95109</b> labourer - tannery
<b>11200</b> labour organization negotiator	<b>95105</b> labourer - textile processing
<b>00013</b> labour organization president	<b>75101</b> labourer - warehousing and storage
<b>11200</b> labour organizer	<b>95103</b> labourer - wood processing
<b>41403</b> labour policy analyst	<b>75212</b> labourer crew leader - public works
<b>41403</b> labour policy officer	<b>95106</b> labourers - food and beverage processing
	<b>72021</b> labourers and other elemental workers foreman/woman - construction



<b>92010</b> labourers foreman/woman - primary metal and mineral products processing	<b>94112</b> laminating machine tender - rubber products manufacturing
<b>53124</b> lace weaver - arts and crafts	<b>94124</b> laminating press tender - woodworking
<b>94131</b> lace weaver	<b>94203</b> lamination stacker - industrial electrical equipment
<b>95109</b> lacer - footwear manufacturing	<b>94205</b> lamination-stacking machine tender - electrical equipment manufacturing
<b>95109</b> lacer - sporting goods manufacturing	<b>94205</b> lamp filament processor
<b>94110</b> lacquer maker	<b>84100</b> lamp keeper - underground mining
<b>94213</b> lacquer-sprayer	<b>92024</b> lamp shade fabrication foreman/woman
<b>53201</b> lacrosse coach	<b>94219</b> lampshade assembler
<b>53201</b> lacrosse scout	<b>94219</b> lampshade maker
<b>94124</b> lacrosse stick bender - woodworking	<b>94219</b> lampshade sewer
<b>94124</b> lacrosse stick gouger - woodworking	<b>12102</b> land agent
<b>94219</b> lacrosse stick lacer	<b>10029</b> land contracts manager
<b>94124</b> lacrosse stick maker - woodworking	<b>21300</b> land drainage engineer
<b>94124</b> lacrosse stick planer - woodworking	<b>22214</b> land information system (LIS) technician
<b>94124</b> lacrosse stick shaper - woodworking	<b>22214</b> land information system (LIS) technologist
<b>53201</b> lacrosse team coach	<b>12102</b> land negotiator
<b>72500</b> ladle crane operator	<b>42200</b> land registrar
<b>94100</b> ladle operator - primary metal processing	<b>14301</b> land registry clerk
<b>94100</b> ladle pourer - primary metal processing	<b>21203</b> land survey supervisor
<b>94100</b> ladle pourer	<b>22213</b> land survey technician
<b>72320</b> ladle repair bricklayer	<b>22213</b> land survey technologist
<b>94124</b> lag bolt machine tender - woodworking	<b>21203</b> land surveying party chief
<b>74200</b> lag bolter operator - railway	<b>21203</b> land surveyor
<b>85100</b> lamb feedlot worker	<b>42200</b> land titles clerk
<b>94143</b> lamb grader	<b>42200</b> land titles examiner
<b>94104</b> laminated asbestos products inspector	<b>41401</b> land use economist
<b>94211</b> laminated beam inspector	<b>21202</b> land use planner
<b>94124</b> laminated bowl machine tender - woodworking	<b>21202</b> land use specialist
<b>94203</b> laminated core assembler - industrial electrical equipment	<b>22300</b> land use technician
<b>92022</b> laminating foreman/woman - furniture and fixtures manufacturing	<b>85104</b> land-based seal hunter
<b>92022</b> laminating foreman/woman	<b>85104</b> land-based sealer
<b>94121</b> laminating machine operator - paper mill	<b>90011</b> landfill manager
<b>94152</b> laminating machine operator - printing	<b>95102</b> landfill scale operator
<b>94112</b> laminating machine operator - rubber products manufacturing	<b>92011</b> landfill supervisor
<b>94152</b> laminating machine operator	<b>95102</b> landfill weigh scale attendant
<b>94122</b> laminating machine tender - paper converting	<b>84110</b> landing buckler - logging
<b>94111</b> laminating machine tender - plastic manufacturing	<b>84110</b> landingman/woman - logging
	<b>84110</b> landingman/woman
	<b>13101</b> landlord/landlady

<b>12102</b> landman/woman - oil and gas	<b>31103</b> large animal veterinary internist
<b>21201</b> landscape architect	<b>94202</b> large electrical appliance assembler
<b>22114</b> landscape architectural technician	<b>94202</b> large electrical appliance assembly group leader
<b>22114</b> landscape architectural technologist	<b>94202</b> large electrical appliance assembly lead hand
<b>20011</b> landscape architecture manager	<b>94203</b> large power transformer coil winder
<b>82031</b> landscape design contractor	<b>94213</b> large surface spray painter
<b>22114</b> landscape designer	<b>94203</b> large transformer coil winder
<b>85121</b> landscape gardener helper	<b>94100</b> larry car operator
<b>22114</b> landscape gardener	<b>31101</b> laryngologist
<b>85121</b> landscape gardening helper	<b>94201</b> laser assembler - electronic equipment manufacturing
<b>22114</b> landscape horticulturist	<b>94151</b> laser beam colour scanner operator
<b>85121</b> landscape labourer	<b>72106</b> laser beam machine-welder operator
<b>82031</b> landscape maintenance contractor	<b>72106</b> laser beam welder
<b>53122</b> landscape painter	<b>72106</b> laser beam welding machine operator
<b>82031</b> landscape service contractor	<b>94105</b> laser cutter - metal fabrication
<b>22114</b> landscape technician	<b>21100</b> laser physicist
<b>85121</b> landscape worker	<b>94150</b> laser printer operator
<b>22114</b> landscaper	<b>22310</b> laser technician
<b>82031</b> landscaping contractor	<b>72106</b> laser welding operator
<b>82031</b> landscaping foreman/woman	<b>94201</b> laser-trimmer operator - electronic equipment manufacturing
<b>41210</b> landscaping instructor	<b>95109</b> last ironer - shoe manufacturing
<b>82031</b> landscaping supervisor	<b>94124</b> last remodeler - woodworking
<b>41405</b> language assessor - education	<b>94124</b> last repairman/woman - woodworking
<b>41405</b> language assessor	<b>94124</b> last trimmer - woodworking
<b>41210</b> language instructor - language school	<b>94124</b> last turner - woodworking
<b>41210</b> language laboratory teacher - college level	<b>94219</b> laster - footwear manufacturing (except rubber)
<b>41200</b> language professor - university	<b>94112</b> laster - rubber footwear manufacturing
<b>40012</b> language programs assistant director	<b>94124</b> last-lathe tender - woodworking
<b>41210</b> language school instructor	<b>53125</b> last-pattern grader
<b>40020</b> language school manager	<b>22100</b> latent fingerprint examiner
<b>41221</b> language teacher - elementary school	<b>92015</b> latex carpet-backing department foreman/woman
<b>10011</b> language training director	<b>94110</b> latex coagulation operator
<b>41405</b> languages coordinator - education	<b>94110</b> latex compounder
<b>94130</b> lap machine tender - textile manufacturing	<b>94112</b> latex ribbon machine operator - rubber products manufacturing
<b>62202</b> lapidary	<b>94112</b> latex thread machine operator - rubber products manufacturing
<b>94130</b> lapper - textile manufacturing	<b>95104</b> latex thread spooler - rubber products manufacturing
<b>94130</b> lapper tender - textile manufacturing	
<b>94106</b> lapping machine operator	
<b>94130</b> lap-winder tender - textile manufacturing	
<b>95106</b> lard bleacher - food and beverage processing	
<b>94140</b> lard renderer - food and beverage processing	

<b>94130</b> latex-coating machine operator - textile manufacturing	<b>65320</b> laundry worker
<b>94106</b> lathe hand - metal machining	<b>41101</b> law and corporate affairs adviser
<b>94106</b> lathe machining operator	<b>12012</b> law archivists supervisor
<b>94103</b> lathe operator - concrete products	<b>42200</b> law clerk to judge
<b>94106</b> lathe operator - metal machining	<b>42200</b> law clerk
<b>94124</b> lathe operator - woodworking	<b>41210</b> law enforcement teacher
<b>94124</b> lathe sander - woodworking	<b>51100</b> law librarian
<b>94129</b> lathe spotter - wood processing	<b>41101</b> law partner
<b>94124</b> lathe turner - woodworking	<b>41200</b> law professor - university
<b>73102</b> lather (interior systems mechanic)	<b>51113</b> law reporter
<b>73102</b> lather applicator	<b>41210</b> law teacher - police college
<b>73102</b> lather apprentice	<b>72429</b> lawn and garden equipment technician
<b>73102</b> lather	<b>64100</b> lawn and garden supplies salesperson - retail
<b>72014</b> latherer supervisor	<b>82031</b> lawn care contractor
<b>72014</b> lathers foreman/woman	<b>85121</b> lawn care labourer
<b>72014</b> lathers supervisor	<b>82031</b> lawn care service contractor
<b>41220</b> Latin teacher - secondary school	<b>22114</b> lawn care specialist
<b>75210</b> launch captain	<b>22114</b> lawn care superintendent
<b>75210</b> launch master	<b>82031</b> lawn care supervisor
<b>75210</b> launch operator	<b>85121</b> lawn care worker
<b>75210</b> launch owner-operator	<b>82031</b> lawn maintenance contractor
<b>65320</b> launderer	<b>85121</b> lawn mower
<b>62029</b> launderers supervisor	<b>85121</b> lawn-mowing worker
<b>65329</b> laundromat attendant	<b>41101</b> lawyer
<b>62029</b> laundry and dry cleaning foreman/woman	<b>42200</b> lay notary public
<b>62029</b> laundry and dry cleaning forewoman	<b>53125</b> layer-out and patternmaker
<b>00014</b> laundry and dry cleaning general manager	<b>95109</b> layer-up - garment manufacturing
<b>60040</b> laundry and dry cleaning manager	<b>92015</b> layout and marking foreman/woman - fabric, fur and leather products manufacturing
<b>65320</b> laundry attendant	<b>53125</b> lay-out and patternmaker
<b>65320</b> laundry finisher	<b>52120</b> layout artist
<b>65320</b> laundry helper	<b>52120</b> layout designer
<b>65320</b> laundry labourer	<b>72311</b> layout marker - cabinetmaking
<b>65320</b> laundry machine operator	<b>94105</b> lay-out marker - metal products manufacturing
<b>60040</b> laundry manager	<b>94124</b> lay-out marker - woodworking
<b>62029</b> laundry production supervisor	<b>94219</b> layout table hemmer
<b>75201</b> laundry route driver	<b>94129</b> layup machine operator - wood processing
<b>60040</b> laundry service manager	<b>95109</b> lay-up worker - garment manufacturing
<b>64101</b> laundry services sales representative	<b>94100</b> leaching operator - primary metal processing
<b>62029</b> laundry supervisor	<b>94205</b> lead acid battery parts inspector
<b>94103</b> laundry tub moulder - concrete products	

<b>94205</b> lead acid battery production tester - electrical equipment manufacturing	<b>73111</b> leaded glass glazier
<b>94205</b> lead acid electrical battery production tester	<b>00010</b> leader of the opposition
<b>94205</b> lead acid storage battery plate former - electrical equipment manufacturing	<b>94100</b> lead-melting furnace tender - metal processing
<b>94205</b> lead acid storage battery plate maker	<b>94100</b> lead-melting kettle tender - metal processing
<b>94205</b> lead acid storage battery tester - electrical equipment manufacturing	<b>93100</b> lead-refining furnace operator
<b>94205</b> lead acid storage battery tester	<b>94100</b> lead-smelting furnace tender - metal processing
<b>94100</b> lead and copper refiner	<b>94100</b> lead-smelting kettle tender - metal processing
<b>72106</b> lead burner	<b>94200</b> leaf spring assembler - motor vehicle manufacturing
<b>94100</b> lead caster - primary metal processing	<b>94105</b> leaf spring inspector
<b>94101</b> lead casting machine operator	<b>94105</b> leaf spring maker - metal fabrication
<b>94213</b> lead coater	<b>41320</b> learning and study skills specialist
<b>92011</b> lead collections operator - water treatment	<b>40012</b> learning programs director - adult education
<b>21211</b> lead data scientist	<b>40012</b> learning programs director - early-childhood education
<b>21231</b> lead development and operations (DevOps) engineer	<b>40012</b> learning programs director - elementary education
<b>94100</b> lead dust treater	<b>40012</b> learning programs director - secondary education
<b>94100</b> lead extruder operator - primary metal processing	<b>13100</b> lease administration supervisor
<b>94105</b> lead fabricator	<b>42200</b> lease and title clerk
<b>22310</b> lead flight simulator technician	<b>94131</b> lease worker - textiles
<b>94205</b> lead former - electrical equipment manufacturing	<b>85111</b> leasehand - oil and gas drilling
<b>82031</b> lead grower - cannabis	<b>85111</b> leasehand
<b>94210</b> lead hand assembler - furniture manufacturing	<b>94131</b> leaser - textiles
<b>72203</b> lead lineman/woman - electric power systems	<b>13101</b> leasing and development officer - public works
<b>72203</b> lead lineman/woman - electricity production and transmission	<b>94131</b> leasing machine tender - textiles
<b>93101</b> lead operator - chemical processing	<b>10020</b> leasing manager - real estate
<b>94110</b> lead oxide maker - chemical processing	<b>64101</b> leasing services sales representative
<b>94110</b> lead oxide mill tender - chemical processing	<b>94219</b> leather bag maker
<b>95100</b> lead reclaimer - primary metal processing	<b>94132</b> leather bag sewer
<b>94100</b> lead refiner	<b>95109</b> leather belt maker
<b>92010</b> lead refining foreman/woman	<b>94130</b> leather buffer - hide and pelt processing
<b>94101</b> lead shot caster - foundry	<b>94219</b> leather case maker
<b>21231</b> lead software engineer	<b>21101</b> leather chemist
<b>72203</b> lead splicer - electric power systems	<b>65320</b> leather cleaner - laundry and dry cleaning
<b>72106</b> lead welder	<b>95109</b> leather coater
<b>94100</b> lead wheel operator	<b>95105</b> leather cutter - leather footwear manufacturing
<b>94100</b> lead-casting machine operator - primary metal processing	<b>95105</b> leather cutter
	<b>94130</b> leather dyer - hide and pelt processing
	<b>65320</b> leather finisher - dry cleaning

<b>92015</b> leather finishing foreman/woman - hide and pelt processing	<b>53124</b> leather worker
<b>95105</b> leather garment cutter - manufacturing	<b>94132</b> leather-glove-stitching machine operator
<b>94132</b> leather garment sewer	<b>94132</b> leather-sewing machine operator
<b>94132</b> leather garment sewing machine operator	<b>95105</b> leather-stripping machine tender - leather products manufacturing
<b>94133</b> leather glove examiner	<b>41210</b> lecturer - college
<b>94132</b> leather glove repairer	<b>41200</b> lecturer - university
<b>95109</b> leather glove worker	<b>14200</b> ledger clerk
<b>60020</b> leather goods and clothing store manager	<b>14201</b> ledger control clerk - financial sector
<b>94133</b> leather goods inspector	<b>14201</b> ledger control clerk
<b>64100</b> leather goods salesperson - retail	<b>14201</b> ledger control officer - financial sector
<b>94213</b> leather goods spray painter	<b>13111</b> legal administrative assistant
<b>94213</b> leather goods sprayer	<b>41101</b> legal advisor
<b>94133</b> leather grader	<b>41101</b> legal advocate
<b>94219</b> leather handbag maker	<b>41101</b> legal aid lawyer
<b>95105</b> leather harness maker	<b>13111</b> legal assistant - criminal law
<b>94133</b> leather inspector	<b>41210</b> legal assistant program teacher
<b>95105</b> leather marker	<b>13111</b> legal assistant
<b>94130</b> leather measurer - hide and pelt processing	<b>41101</b> legal attaché
<b>65320</b> leather or suede sprayer - laundry and dry cleaning	<b>41101</b> legal counsel
<b>94130</b> leather polisher - hide and pelt processing	<b>10019</b> legal department chief
<b>95105</b> leather pressman/woman	<b>10019</b> legal department director
<b>95109</b> leather processing labourer	<b>10029</b> legal firm manager
<b>94219</b> leather products assembler	<b>41101</b> legal officer - Canadian Armed Forces
<b>92015</b> leather products manufacturing foreman/woman	<b>41101</b> legal officer
<b>53125</b> leather products patternmaker	<b>42200</b> legal researcher
<b>94132</b> leather products sewing machine operator	<b>41210</b> legal secretarial program teacher - community college
<b>94219</b> leather purse maker	<b>13111</b> legal secretary
<b>95105</b> leather rifle case maker	<b>42200</b> legal services officer - courts
<b>94219</b> leather riveter - footwear manufacturing	<b>12012</b> legal services record writers supervisor
<b>94130</b> leather sander - hide and pelt processing	<b>13111</b> legal stenographer
<b>94132</b> leather sewer	<b>22213</b> legal survey assistant
<b>94130</b> leather shaver - hide and pelt processing	<b>22213</b> legal survey technician
<b>94133</b> leather sorter	<b>22213</b> legal survey technologist
<b>94130</b> leather stainer - hide and pelt processing	<b>21203</b> legal surveyor
<b>94133</b> leather stock inspector	<b>42200</b> legal technician
<b>94130</b> leather stretcher - hide and pelt processing	<b>51114</b> legal terminologist
<b>94130</b> leather tanner	<b>51114</b> legal translator
<b>94133</b> leather tanneries inspector	<b>41101</b> legislative adviser
<b>95105</b> leather trunk maker	<b>40030</b> legislative assembly clerk

<b>40019</b> Legislative Assembly services director	<b>11109</b> lending solutions manager
<b>12100</b> legislative assistant	<b>95109</b> lens blank marker
<b>00010</b> legislative body speaker	<b>95109</b> lens block cleaner
<b>41407</b> legislative committee officer	<b>95109</b> lens blocker
<b>41407</b> legislative council officer	<b>94219</b> lens edger feeder - non-prescription
<b>41101</b> legislative counsel	<b>94219</b> lens edger tender - non-prescription
<b>40019</b> legislative services director	<b>92024</b> lens grinder and polisher foreman/woman
<b>00010</b> legislator	<b>33109</b> lens grinder-polisher setter
<b>41406</b> leisure activities consultant	<b>95109</b> lens hardener
<b>41406</b> leisure activities counsellor	<b>92024</b> lens manufacturing (non-prescription) supervisor
<b>41406</b> leisure activities program coordinator	<b>33109</b> lens marker - health support services
<b>50012</b> leisure administrator in chief	<b>33109</b> lens marker - ophthalmic
<b>50012</b> leisure administrator	<b>94219</b> lens-grinding machine tender - non-prescription
<b>41406</b> leisure analyst	<b>94219</b> lensometer operator - non-prescription
<b>65211</b> leisure and sports attendant	<b>94219</b> lens-polisher operator - non-prescription
<b>50012</b> leisure and sports director	<b>94219</b> lens-polishing machine operator - non-prescription
<b>65211</b> leisure attendant	<b>94219</b> lens-silverer operator - non-prescription
<b>50012</b> leisure centre director	<b>94219</b> lens-silvering machine operator - non-prescription
<b>50012</b> leisure centre sports director	<b>74101</b> letter carrier
<b>50012</b> leisure chief administrator	<b>72025</b> letter carriers supervisor
<b>41406</b> leisure consultant	<b>74100</b> letter sorting clerk
<b>41406</b> leisure coordinator	<b>52111</b> lettering artist
<b>41406</b> leisure counsellor	<b>72022</b> letterpress foreman/woman - printing
<b>50012</b> leisure director	<b>73401</b> letterpress operator - printing
<b>50012</b> leisure establishment director	<b>73401</b> letterpress proof press operator - printing
<b>50012</b> leisure establishment managing supervisor	<b>73401</b> letterpress proof puller - printing
<b>65211</b> leisure facility attendant	<b>72022</b> letterpress room foreman/woman
<b>50012</b> leisure head administrator	<b>82020</b> level boss - underground mining
<b>50012</b> leisure manager	<b>52120</b> level designer
<b>41406</b> leisure policy analyst	<b>95109</b> level vial setter
<b>41406</b> leisure program coordinator	<b>94124</b> leveller operator - woodworking
<b>54100</b> leisure program leader	<b>95103</b> leverman/woman - wood processing
<b>50012</b> leisure programs director	<b>51111</b> lexicographer
<b>50012</b> leisure programs manager	<b>12201</b> liability adjuster - insurance
<b>50012</b> leisure service director	<b>14201</b> liability clerk - financial sector
<b>50012</b> leisure service manager	<b>10020</b> liability trading manager
<b>41406</b> leisure services coordinator	<b>12202</b> liability underwriter
<b>72423</b> leisure vehicle technician (except recreational vehicles)	<b>51100</b> liaison librarian
<b>63102</b> lending services officer	<b>31301</b> liaison nurse
<b>63102</b> lending services trainee	

<b>13100</b> liaison officer	<b>40042</b> lieutenant general
<b>51100</b> librarian	<b>40042</b> lieutenant
<b>41220</b> librarian-teacher - high school	<b>00010</b> lieutenant-governor
<b>14300</b> library aide	<b>21210</b> life actuary
<b>51101</b> library and archives conservator	<b>42201</b> life coach
<b>14300</b> library assistant	<b>54100</b> life enrichment coordinator - recreation and fitness
<b>50010</b> library chief	<b>63100</b> life insurance agent
<b>14300</b> library clerk	<b>63100</b> life insurance representative
<b>12012</b> library clerks supervisor	<b>63100</b> life insurance salesman/woman
<b>51100</b> library consultant	<b>41200</b> life sciences professor - university
<b>51100</b> library coordinator	<b>20011</b> life sciences program manager
<b>51101</b> library curator	<b>22110</b> life sciences research technician
<b>50010</b> library director	<b>42201</b> life skills coach
<b>14300</b> library filer	<b>42201</b> life skills instructor
<b>12012</b> library loans supervisor	<b>12202</b> life underwriter
<b>14300</b> library page	<b>54100</b> lifeguard
<b>41200</b> library science professor - university	<b>75101</b> lift driver
<b>51100</b> library supervisor	<b>75101</b> lift jack operator
<b>52100</b> library technician	<b>62029</b> lift operation supervisor
<b>14301</b> licence clerk	<b>75101</b> lift scoop operator
<b>12012</b> licence clerks supervisor	<b>72423</b> lift truck mechanic
<b>43202</b> licence inspector	<b>75101</b> lift truck operator
<b>32100</b> licensed contact lens practitioner	<b>22231</b> lifting gear inspector
<b>63200</b> licensed cook	<b>92023</b> light agricultural and farm equipment assembly foreman/woman
<b>13200</b> licensed customs broker	<b>94204</b> light agricultural equipment assembler
<b>33100</b> licensed dental assistant	<b>94204</b> light agricultural machinery assembler
<b>32111</b> licensed dental therapist	<b>92023</b> light agricultural machinery assembly foreman/woman
<b>32100</b> licensed dispensing optician	<b>52119</b> light board operator
<b>32109</b> licensed hearing instrument specialist	<b>94205</b> light bulb inspector and tester
<b>52121</b> licensed interior designer	<b>94205</b> light bulb inspector
<b>31303</b> licensed midwife	<b>94205</b> light bulb maker
<b>32101</b> licensed nursing assistant	<b>94205</b> light bulb making inspector
<b>32100</b> licensed optician	<b>94205</b> light bulb making machine operator
<b>32101</b> licensed practical nurse (L.P.N.)	<b>94205</b> light bulb tester
<b>64410</b> lie detector examiner	<b>94204</b> light construction equipment assembler
<b>51122</b> lied singer	<b>92023</b> light construction machinery assembly foreman/woman
<b>40042</b> lieutenant - Canadian Army	<b>65310</b> light duty cleaner
<b>40042</b> lieutenant - Royal Canadian Air Force	<b>94204</b> light farm equipment assembler
<b>40042</b> lieutenant - Royal Canadian Navy	
<b>40042</b> lieutenant colonel	
<b>40042</b> lieutenant commander	

<b>94202</b> light fixtures assembler	<b>94100</b> lime kiln operator
<b>94204</b> light industrial truck assembler	<b>94103</b> lime mixer operator
<b>92023</b> light industrial, farm and construction machinery assembly foreman/woman	<b>94103</b> lime mixer tender
<b>94204</b> light material-handling equipment assembler	<b>92010</b> lime preparation foreman/woman
<b>92023</b> light material-handling equipment assembly foreman/woman	<b>95100</b> lime slaker
<b>75101</b> light materials handler	<b>94121</b> lime sludge mixer
<b>72024</b> light rail transit (LRT) operators foreman/woman	<b>94130</b> limer - hide and pelt processing
<b>72024</b> light rail transit (LRT) operators supervisor	<b>85110</b> limestone spreader - underground mining
<b>73301</b> light rail transit operator	<b>21110</b> limnologist
<b>94200</b> light truck assembler - automobile assembly	<b>75200</b> limousine driver
<b>62100</b> light, heat and power sales engineer	<b>72011</b> line and cable contractor
<b>94205</b> light-bulb-sealing machine operator - electrical equipment manufacturing	<b>72011</b> line and cable installation and maintenance supervisor
<b>94205</b> light-bulb-sealing machine tender - electrical equipment manufacturing	<b>72011</b> line and cable installation foreman/woman
<b>75210</b> lighthouse keeper	<b>72011</b> line and cable installers foreman/woman
<b>64100</b> lighting appliance salesperson - retail	<b>72011</b> line and cable repairer foreman/woman - power lines
<b>53111</b> lighting assistant	<b>72011</b> line and cable workers supervisor
<b>53123</b> lighting designer	<b>94124</b> line and frame pole worker - wood products
<b>52119</b> lighting effects chief technician	<b>94202</b> line assembly utilityman/woman - electrical equipment manufacturing
<b>94202</b> lighting fixture assembler	<b>72203</b> line checker - electric power systems
<b>94202</b> lighting fixture assembly section leader	<b>21310</b> line construction engineer
<b>64101</b> lighting fixture sales representative - wholesale (non-technical)	<b>63200</b> line cook
<b>94202</b> lighting fixtures wirer	<b>84100</b> line crew blaster - underground mining
<b>64100</b> lighting salesperson - retail	<b>53120</b> line dance teacher
<b>52119</b> lighting technician	<b>53120</b> line dancer
<b>22310</b> lighting technologist	<b>51110</b> line editor
<b>62100</b> lighting, heating and power sales representative	<b>83121</b> line fisherman/woman
<b>62100</b> lighting, heating and power sales specialist	<b>72011</b> line foreman/woman - power lines
<b>73200</b> lightning cable installer	<b>72011</b> line foreman/woman - telecommunications
<b>75110</b> lightning rod erector helper	<b>72204</b> line inspector - telecommunications
<b>73200</b> lightning rod installer	<b>72203</b> line installation trainee - electric power systems
<b>94110</b> light-oil extractor operator	<b>72204</b> line installer - telecommunications
<b>95100</b> lime kiln helper - mineral products processing	<b>74204</b> line locator - utilities
<b>95103</b> lime kiln helper - pulp and paper	<b>72203</b> line maintainer - electric power systems
<b>94100</b> lime kiln operator - mineral and metal processing	<b>72203</b> line patroller - electric power systems
<b>94121</b> lime kiln operator - pulp and paper	<b>72203</b> line repairer - electric power systems
<b>95100</b> lime kiln operator helper - mineral products processing	<b>72204</b> line repairer - telecommunications
	<b>72203</b> line servicer - electric power systems
	<b>94130</b> line spooler
	<b>73300</b> line-haul driver



<b>73300</b> line-haul truck driver	<b>94107</b> link wire machine tender
<b>83110</b> linehorse operator	<b>95106</b> linking machine tender - food and beverage processing
<b>72203</b> lineman/woman - electric power systems	<b>73113</b> linoleum floor covering installer
<b>72203</b> lineman/woman - electric streetcar	<b>73113</b> linoleum floor covering layer
<b>75119</b> lineman/woman helper - power and communication lines	<b>73113</b> linoleum floor installer
<b>75119</b> lineman/woman helper	<b>73113</b> linoleum floor layer
<b>72203</b> lineman/woman trainee - electric power systems	<b>94111</b> linoleum floor tile backer
<b>72203</b> lineman/woman trainee - electricity production and transmission	<b>94111</b> linoleum floor tile calender operator
<b>14401</b> linen room attendant	<b>94212</b> linoleum inspector
<b>14401</b> linen supply clerk	<b>94212</b> linoleum line inspector
<b>14401</b> linenkeeper	<b>94110</b> linoleum oil oxidizer
<b>75212</b> line-painting machine operator - highways and roads	<b>94212</b> linoleum quality control inspector
<b>94122</b> liner machine operator - paper converting	<b>14112</b> Linotype composing machine operator
<b>75119</b> liner replacer - ore-processing equipment	<b>72400</b> linotype repairer
<b>94112</b> liner reroller - rubber products manufacturing	<b>94140</b> linseed oil extractor
<b>22310</b> lines distribution design technologist	<b>94219</b> lint roller brush assembler
<b>75210</b> lineshandler - canal lock system	<b>42203</b> lip-reading instructor
<b>75210</b> linesman/woman - canal lock system	<b>42203</b> lip-reading teacher
<b>72999</b> linesman/woman - shipbuilding	<b>93101</b> liquefaction plant operator
<b>94200</b> line-up adjuster - motor vehicle manufacturing	<b>94110</b> liquefied gas drum filler
<b>51110</b> line-up editor	<b>73300</b> liquid fertilizer truck driver
<b>94151</b> lineup examiner - printing	<b>21320</b> liquid fuels engineer
<b>94200</b> line-up man/woman - motor vehicle manufacturing	<b>95106</b> liquid packer
<b>72203</b> lineworker - electrical power systems	<b>22230</b> liquid penetrant technician - non-destructive testing
<b>75119</b> lineworker helper	<b>22230</b> liquid penetrant testing technician
<b>41409</b> linguist	<b>94140</b> liquid sugar operator
<b>41409</b> linguistic anthropologist	<b>90011</b> liquid waste facility manager
<b>41200</b> linguistics associate professor	<b>92101</b> liquid waste process operator
<b>41200</b> linguistics department chairman/woman - university	<b>92101</b> liquid waste processing plant operator
<b>41200</b> linguistics department chairperson - university	<b>92101</b> liquid waste treatment plant operator
<b>41200</b> linguistics department head - university	<b>75101</b> liquids loader-unloader
<b>41200</b> linguistics professor - university	<b>94140</b> liquor blender - food and beverage processing
<b>94132</b> lining sewer	<b>43202</b> liquor board licence inspector
<b>94132</b> lining stitcher	<b>00011</b> liquor commissioner
<b>95109</b> link cutter - garment manufacturing	<b>14403</b> liquor controller - inventory
<b>94131</b> link machine knitter	<b>94140</b> liquor gallery tender - food and beverage processing
<b>94107</b> link wire machine set-up operator	<b>95106</b> liquor gallery tender helper - food and beverage processing
	<b>43202</b> liquor licence inspector

<b>94121</b> liquor maker - pulp and paper	<b>82030</b> livestock exchange contractor
<b>64101</b> liquor sales representative - wholesale	<b>80020</b> livestock farmer
<b>64101</b> liquor sales representative	<b>82030</b> livestock foreman/woman
<b>60020</b> liquor store manager	<b>22111</b> livestock inspector
<b>64100</b> liquor store sales clerk	<b>94141</b> livestock killer
<b>62010</b> liquor store supervisor	<b>85100</b> livestock labourer
<b>94143</b> liquor tester - food and beverage processing	<b>20011</b> livestock production programs manager
<b>41405</b> literacy coach	<b>20011</b> livestock program development manager
<b>11202</b> literary agent	<b>82030</b> livestock raising foreman/woman
<b>51113</b> literary critic	<b>62100</b> livestock sales representative - wholesale
<b>51110</b> literary editor	<b>21112</b> livestock specialist
<b>51114</b> literary translator	<b>85100</b> livestock weigher
<b>51111</b> literary writer	<b>84120</b> livestock yard attendant
<b>41200</b> literature professor - university	<b>84120</b> livestock yardman/woman
<b>52120</b> litho artist	<b>64312</b> load agent - airline
<b>53122</b> lithographic artist	<b>64312</b> load control agent - airline
<b>95109</b> lithographic offset press feeder	<b>12013</b> load control supervisor
<b>73401</b> lithographic offset proofer	<b>92100</b> load dispatcher - electrical power systems
<b>73401</b> lithographic offset proofing hand	<b>95102</b> loader - chemical processing
<b>94151</b> lithographic plate preparer	<b>73400</b> loader operator - construction
<b>94151</b> lithographic platemaker	<b>83110</b> loader operator - logging
<b>73401</b> lithographic press operator - printing	<b>75101</b> loader-unloader - material handling
<b>73401</b> lithographic pressman/woman - printing	<b>83100</b> load-haul-dump (LHD) operator - underground mining
<b>73401</b> lithographic printer	<b>72021</b> loading and moving foreman/woman - construction
<b>13111</b> litigation administrative assistant	<b>75210</b> loading bridge operator - ferry
<b>42200</b> litigation law clerk	<b>75210</b> loading bridge operator
<b>13111</b> litigation legal assistant	<b>72021</b> loading dock foreman/woman
<b>42200</b> litigation paralegal	<b>82010</b> loading foreman/woman - logging
<b>13111</b> litigation secretary	<b>84100</b> loading head operator - underground mining
<b>41101</b> litigator	<b>94110</b> loading inspector - chemical processing
<b>44101</b> live-in caregiver - persons with disabilities	<b>83100</b> loading machine operator - underground mining
<b>44101</b> live-in caregiver - seniors	<b>84100</b> loading pocket operator - underground mining
<b>44101</b> live-in caregiver	<b>74203</b> loading shovel oiler
<b>65312</b> live-in caretaker	<b>10021</b> loan and credit manager - banking or trust company
<b>44100</b> live-in nanny	<b>14201</b> loan clerk - financial sector
<b>82030</b> livery stable foreman/woman	<b>14202</b> loan collector
<b>84120</b> livestock attendant	<b>63102</b> loan inspector
<b>82030</b> livestock breeding service contractor	<b>63102</b> loan officer
<b>62101</b> livestock buyer	<b>63102</b> loans adviser
<b>60020</b> livestock dealer	
<b>84120</b> livestock driver	

<b>63102</b> loans agent	<b>72999</b> locksmith
<b>63102</b> loans analyst	<b>72999</b> locksmithing expert
<b>13110</b> loans and grants administrative assistant	<b>74200</b> locomotive attendant - railway yard
<b>63102</b> loans counsellor	<b>72405</b> locomotive builder
<b>10021</b> loans manager trainee	<b>72500</b> locomotive crane operator
<b>10021</b> loans manager	<b>72500</b> locomotive craneman/woman
<b>63102</b> loans supervisor	<b>72604</b> locomotive dispatcher
<b>00013</b> lobby chief executive officer - health, education, social and community services and membership organizations	<b>74200</b> locomotive distributor - railway yard
<b>65210</b> lobby porter	<b>94203</b> locomotive electrical inspector
<b>22110</b> lobster culture technician	<b>74200</b> locomotive engine servicer
<b>80022</b> lobster farmer	<b>73310</b> locomotive engineer - railway
<b>83121</b> lobster fisherman/woman	<b>72020</b> locomotive erecting shop foreman/woman
<b>85102</b> lobster pound attendant	<b>72405</b> locomotive fitter
<b>94142</b> lobster processor - fish processing	<b>73310</b> locomotive hostler
<b>22220</b> local area network (LAN) administrator	<b>72020</b> locomotive inspectors foreman/woman
<b>22220</b> local area network (LAN) manager	<b>74200</b> locomotive maintenance attendant
<b>22220</b> local area network (LAN) operator	<b>72401</b> locomotive mechanic
<b>22220</b> local area network (LAN) technician	<b>94213</b> locomotive painter
<b>00011</b> local government manager	<b>74200</b> locomotive servicer
<b>40010</b> local health services director - government services	<b>31102</b> locum doctor
<b>51110</b> local news editor	<b>65310</b> lodge cleaner
<b>64320</b> local tour guide	<b>60031</b> lodging house manager
<b>73300</b> local truck driver	<b>62022</b> lodging house managing supervisor
<b>51114</b> localiser - linguistics	<b>65310</b> lodging-establishment cleaner (except private households)
<b>52119</b> location manager - motion pictures and broadcasting	<b>94219</b> loft rigger - boat assembly
<b>14202</b> locator - collection	<b>72999</b> loftsmen/women - aircraft manufacturing
<b>94219</b> lock assembler	<b>72999</b> loftsmen/women - shipbuilding
<b>72999</b> lock expert	<b>22101</b> log analyst
<b>72999</b> lock fitter	<b>74201</b> log boom tugboat deckhand
<b>94219</b> lock maker	<b>62101</b> log buyer
<b>75210</b> lock operator	<b>94129</b> log cooker - wood processing
<b>72999</b> lock repairer	<b>94120</b> log cut-off operator - sawmill
<b>72999</b> lock repairman/woman	<b>94120</b> log cut-off operator
<b>72999</b> lock setter	<b>94120</b> log cut-off sawyer - sawmill
<b>94140</b> locker plant attendant - food and beverage processing	<b>84110</b> log cutter
<b>65329</b> locker room attendant	<b>95103</b> log deck tender
<b>75210</b> lockmaster	<b>85120</b> log driver
	<b>95103</b> log feeder
	<b>94120</b> log gang saw operator - sawmill
	<b>94120</b> log gang sawyer - sawmill

<b>22112</b> log grader	<b>73300</b> logging truck driver
<b>95103</b> log handler	<b>83110</b> logging truck loader
<b>94120</b> log haul cut-off saw operator - sawmill	<b>13201</b> logistician
<b>73300</b> log hauler	<b>13201</b> logistics analyst
<b>94120</b> log hoist operator - sawmill	<b>70020</b> logistics analytics manager
<b>72310</b> log home builder	<b>14405</b> logistics clerk - transportation
<b>72310</b> log home carpenter	<b>13201</b> logistics coordinator
<b>72310</b> log home carpenter-builder	<b>70020</b> logistics director - transportation
<b>83110</b> log loader operator	<b>13201</b> logistics inbound/outbound coordinator - production
<b>83110</b> log loading machine operator	<b>13201</b> logistics lead
<b>83110</b> log process operator	<b>90010</b> logistics manager - manufacturing
<b>83110</b> log processor operator	<b>70020</b> logistics manager - transportation
<b>85120</b> log rider	<b>10012</b> logistics officer - Canadian Armed Forces
<b>22112</b> log scaler	<b>70020</b> logistics operations director
<b>22101</b> log technician	<b>13201</b> logistics planner
<b>95103</b> log transfer tender	<b>13201</b> logistics specialist
<b>73300</b> log truck driver	<b>12013</b> logistics supervisor
<b>94129</b> log vat tender - wood processing	<b>12013</b> logistics team leader
<b>82010</b> log yarding boss	<b>00015</b> logistics vice-president - goods production, utilities, transportation and construction
<b>84110</b> logger	<b>31112</b> logopedist
<b>82010</b> loggers supervisor - forestry	<b>94140</b> lollipop maker
<b>85120</b> logging and forestry labourer	<b>73300</b> long combination vehicle (LCV) driver
<b>83101</b> logging and perforating operator - oil field services	<b>73301</b> long distance bus driver
<b>83101</b> logging and perforating operator	<b>14101</b> long distance telephone operator
<b>63200</b> logging camp cook	<b>73300</b> long distance truck driver
<b>65201</b> logging camp cook's helper	<b>73300</b> long haul driver
<b>00015</b> logging company corporate controller	<b>73300</b> long haul tractor-trailer driver
<b>82010</b> logging contractor	<b>73300</b> long haul transport driver
<b>83110</b> logging crane operator	<b>73300</b> long haul truck driver
<b>82010</b> logging crew supervisor - forestry	<b>33102</b> long term care aide
<b>62100</b> logging equipment salesperson	<b>83100</b> long-hole blaster - underground mining
<b>82010</b> logging foreman/woman	<b>83100</b> long-hole driller - underground mining
<b>85120</b> logging labourer	<b>83121</b> longline fisherman/woman
<b>72405</b> logging machinery fitter	<b>83121</b> longliner fisherman/woman
<b>83110</b> logging machinery operator	<b>21202</b> long-range planner - land use
<b>80010</b> logging production manager	<b>75100</b> longshore worker and tower-loader operator
<b>72021</b> logging road construction foreman/woman	<b>72021</b> longshore worker superintendent
<b>72021</b> logging road construction supervisor	<b>75100</b> longshore worker
<b>82010</b> logging supervisor	<b>72021</b> longshore workers foreman/woman
<b>84110</b> logging tractor operator	

<b>75100</b> longshoreman/woman	<b>22302</b> loss prevention technologist - manufacturing
<b>72021</b> longshoremen/women, stevedores and freight handlers foreman/woman	<b>64409</b> lost claims clerk
<b>41404</b> long-term care program consultant	<b>64409</b> lost or damaged goods claim clerk
<b>83100</b> longwall coal shearer operator	<b>64401</b> lost package search clerk
<b>55109</b> look-alike	<b>94101</b> lost pattern caster - foundry
<b>84111</b> lookout - forestry	<b>64401</b> lost postal package search clerk
<b>72400</b> loom changer	<b>94101</b> lost wax caster - foundry
<b>95105</b> loom cleaner	<b>64409</b> lost-and-found clerk
<b>95105</b> loom doffer - textile processing	<b>64409</b> lost-and-found desk clerk
<b>94131</b> loom drawer-in helper	<b>65311</b> lot porter - auto cleaning
<b>94131</b> loom drawer-in	<b>64100</b> lottery kiosk clerk
<b>72400</b> loom fixer - textile manufacturing	<b>64100</b> lottery sales representative - retail
<b>72400</b> loom fixer	<b>43202</b> lottery supervisor - government services
<b>94133</b> loom inspector	<b>64301</b> lounge supervisor-bartender
<b>72400</b> loom mechanic - textile manufacturing	<b>65200</b> lounge waiter/waitress
<b>72400</b> loom mechanic-repairer - textile manufacturing	<b>73200</b> louvred fence erector
<b>94131</b> loom operator	<b>21310</b> low voltage equipment engineer
<b>72400</b> loom pattern changer	<b>73300</b> low-bed semi-trailer driver
<b>72400</b> loom preparer	<b>70011</b> low-rise residential home builder
<b>72400</b> loom reed repairer - textile manufacturing	<b>21100</b> low-temperature physicist
<b>72400</b> loom repairer - textile manufacturing	<b>72024</b> LRT (light rail transit) operators foreman/woman
<b>72400</b> loom setter - textile manufacturing	<b>72024</b> LRT (light rail transit) operators supervisor
<b>94107</b> loom setter, wire weaving	<b>94112</b> lube and splice operator - rubber products
<b>72400</b> loom setter	<b>62100</b> lubricating equipment salesperson
<b>72400</b> loom starter	<b>21301</b> lubrication engineer
<b>72400</b> loom technician - textile manufacturing	<b>74203</b> lubrication technician - automotive service and repair
<b>72400</b> loom technician	<b>14112</b> Ludlow machine operator
<b>94112</b> loom tender - rubber products manufacturing	<b>53201</b> luge coach
<b>94131</b> loom threader helper	<b>53201</b> luge instructor
<b>94131</b> loom threader	<b>92015</b> luggage assembly foreman/woman - fabric, fur and leather products manufacturing
<b>94131</b> loom weaver	<b>65210</b> luggage attendant
<b>94130</b> loom-winder tender	<b>94212</b> luggage binding assembler - plastic products manufacturing
<b>94131</b> looper - textiles	<b>64313</b> luggage checker (except airline)
<b>72400</b> looper fixer - textile manufacturing	<b>95109</b> luggage coverer
<b>72400</b> looper setter - textile manufacturing	<b>53123</b> luggage designer
<b>94124</b> looping machine tender - wood products manufacturing	<b>94219</b> luggage finisher
<b>12201</b> loss examiner - insurance	<b>95109</b> luggage handle maker
<b>22231</b> loss prevention inspector - insurance	<b>94219</b> luggage shell bonder operator
<b>64410</b> loss prevention officers supervisor	<b>53123</b> luggage stylist

**62101** lumber buyer  
**94129** lumber drop sorter - wood processing  
**95103** lumber feeder - wood processing  
**94123** lumber grader  
**92014** lumber grading foreman/woman - wood processing  
**75101** lumber handler - building supplies  
**95103** lumber handler - wood processing  
**94123** lumber inspector  
**94129** lumber kiln operator  
**94123** lumber marker  
**90010** lumber mill manager  
**75101** lumber piler - building supplies  
**64101** lumber sales representative - wholesale  
**95103** lumber salvager - wood processing  
**94120** lumber sizer operator - sawmill  
**94129** lumber sorting machine operator - wood processing  
**75101** lumber stocker - material handling  
**95103** lumber straightener - wood processing  
**95103** lumber tailer - wood processing  
**14402** lumber tallyman/woman  
**95103** lumber tier - wood processing  
**75101** lumber unloader - material handling  
**84110** lumberjack  
**94140** lump maker - tobacco processing  
**94140** lump roller - tobacco processing  
**75100** lumper - marine cargo handling  
**45100** lunch assistant  
**45100** lunch monitor  
**45100** lunch supervisor  
**65201** lunchroom counter attendant  
**65201** lunchroom counterwoman/woman  
**45100** lunchroom monitor  
**45100** lunchtime monitor  
**31100** lung specialist  
**94130** lusterer - textile manufacturing  
**94140** lye peel tender - food and beverage processing  
**51121** lyricist

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**94140** macaroni press operator  
**94150** machine advertising signs printer  
**94131** machine ball fringe maker  
**94205** machine base cement filler - electrical equipment manufacturing  
**94152** machine binder - printing  
**94152** machine bookbinder  
**94152** machine bronzer - printing  
**72405** machine builder  
**72405** machine builder-fitter  
**72020** machine builders foreman/woman  
**94107** machine bullet shaper - metal products manufacturing  
**94132** machine button sewer  
**94122** machine cardboard maker  
**94124** machine carver - woodworking  
**94103** machine cement pipe shaper - clay products  
**94107** machine chain maker  
**94107** machine chain tester  
**94140** machine cigar maker  
**95106** machine cigar wrapper  
**94152** machine collator and gluer - printing  
**94122** machine colour card maker  
**14112** machine compositor - typesetting  
**95106** machine container washer - food and beverage processing  
**94103** machine contour grinder - concrete, clay and stone products  
**94152** machine cutter - printing  
**94103** machine decorator - clay products  
**22301** machine designer  
**94219** machine drapery pleater  
**94213** machine enameller  
**53124** machine engraver - arts and crafts  
**94219** machine engraver - manufacturing  
**94122** machine envelope flap gummer - paper converting  
**95109** machine feeder  
**95105** machine felt cutter  
**72405** machine fitter charge hand

<b>72405</b> machine fitter	<b>65320</b> machine operator - laundry and dry cleaning
<b>72020</b> machine fitters foreman/woman	<b>94106</b> machine operator - metal machining
<b>72020</b> machine fitters supervisor	<b>94100</b> machine operator - mineral and metal processing
<b>94130</b> machine flesher - hide and pelt processing	<b>94200</b> machine operator - motor vehicle manufacturing
<b>94152</b> machine folder - printing	<b>94111</b> machine operator - plastic manufacturing
<b>65320</b> machine fur cleaner	<b>94111</b> machine operator - plastics processing
<b>94152</b> machine gatherer and gluer - printing	<b>94213</b> machine operator - plating and metal spraying
<b>94103</b> machine greenware turner - clay products	<b>74200</b> machine operator - railway
<b>94219</b> machine hat presser - hat manufacturing	<b>94130</b> machine operator - textile fibre, yarn, hide and pelt processing
<b>94219</b> machine heel maker	<b>94140</b> machine operator - tobacco processing
<b>95100</b> machine helper - primary metal and mineral products processing	<b>72106</b> machine operator - welding, brazing and soldering
<b>94112</b> machine hose cutter and brander - rubber products manufacturing	<b>95109</b> machine packager
<b>94112</b> machine hose maker - rubber products manufacturing	<b>94122</b> machine pad gluer - paper converting
<b>94124</b> machine jointer, panels - woodworking	<b>94124</b> machine panel jointer - woodworking
<b>95105</b> machine knitter helper	<b>94140</b> machine pie maker
<b>94131</b> machine knitting mender	<b>94140</b> machine plug moulder - tobacco processing
<b>21211</b> machine learning engineer	<b>94105</b> machine power saw operator
<b>21211</b> machine learning specialist	<b>65320</b> machine presser - laundry and dry cleaning
<b>94131</b> machine loom drawer-in	<b>11100</b> machine processing accountant
<b>94131</b> machine loom threader	<b>94205</b> machine riveter - electrical equipment manufacturing
<b>72020</b> machine maintenance foreman/woman - manufacturing	<b>94122</b> machine roll cutter - paper converting
<b>94103</b> machine marble polisher - stone products	<b>94122</b> machine roll slitter - paper converting
<b>94150</b> machine marker	<b>94106</b> machine router - metal machining
<b>75119</b> machine mechanic-fitter helper	<b>94124</b> machine sander - woodworking
<b>94131</b> machine net maker - textiles	<b>94205</b> machine set-up operator - electric equipment manufacturing
<b>95104</b> machine offbearer - rubber products manufacturing	<b>94205</b> machine set-up operator - electrical appliance manufacturing
<b>94205</b> machine operator - electrical appliance and equipment manufacturing	<b>94205</b> machine set-up operator - electrical equipment manufacturing
<b>94205</b> machine operator - electrical appliance manufacturing	<b>94111</b> machine set-up operator - plastic manufacturing
<b>94205</b> machine operator - electrical equipment manufacturing	<b>95101</b> machine shop bench hand - metal products manufacturing
<b>94201</b> machine operator - electronic equipment manufacturing	<b>72100</b> machine shop charge hand
<b>94142</b> machine operator - fish processing	<b>72201</b> machine shop electrical repairer
<b>94140</b> machine operator - food and beverage processing	<b>72010</b> machine shop foreman/woman
<b>94132</b> machine operator - garment manufacturing	<b>95101</b> machine shop helper - metal products manufacturing
<b>94102</b> machine operator - glass forming and finishing	<b>72100</b> machine shop inspector
	<b>72010</b> machine shop inspectors foreman/woman

<b>14401</b> machine shop keeper	<b>94131</b> machine warp tier-in - textiles
<b>94106</b> machine shop layer-out	<b>65320</b> machine washer - laundry and dry cleaning
<b>94106</b> machine shop layout marker	<b>95109</b> machine wedger
<b>72010</b> machine shop supervisor	<b>72106</b> machine welder
<b>94150</b> machine shotgun-shell printer	<b>94100</b> machine wire drawer
<b>94152</b> machine side stitcher - printing	<b>94107</b> machine wire rewinder
<b>94150</b> machine sign printer	<b>94205</b> machine wire-cutter and wire-stripper - electrical equipment manufacturing
<b>94150</b> machine sign writer	<b>72100</b> machined parts inspector
<b>94219</b> machine skiver - leather products manufacturing	<b>72020</b> machinery assembly foreman/woman
<b>94205</b> machine sleeve assembler - electrical equipment manufacturing	<b>72405</b> machinery manufacturing fitter
<b>94120</b> machine splitter - sawmill	<b>72020</b> machinery manufacturing foreman/woman
<b>95109</b> machine spreader - garment manufacturing	<b>62100</b> machinery salesperson
<b>94152</b> machine stitcher - binding	<b>73209</b> machinery salvager
<b>94103</b> machine stone buffer	<b>94106</b> machine-tool setter - metal machining
<b>94103</b> machine stone polisher	<b>72100</b> machining and tooling inspector
<b>94103</b> machine stone splitter	<b>72010</b> machining and tooling inspectors foreman/woman
<b>94140</b> machine stripper - tobacco processing	<b>94106</b> machining equipment set-up operator
<b>94131</b> machine tassel maker	<b>92022</b> machining foreman/woman - furniture and fixtures manufacturing
<b>95106</b> machine tobacco packer	<b>72010</b> machining foreman/woman
<b>72405</b> machine tool builder	<b>72100</b> machining inspector
<b>72405</b> machine tool builder-integrator	<b>72010</b> machining inspectors foreman/woman
<b>22301</b> machine tool designer	<b>72010</b> machining supervisor
<b>72010</b> machine tool grinding foreman/woman	<b>72010</b> machining tool foreman/woman
<b>72405</b> machine tool integrator	<b>94106</b> machining tool operator
<b>94106</b> machine tool operator - metal machining	<b>72010</b> machining tool operators foreman/woman
<b>72010</b> machine tool operators foreman/woman	<b>72100</b> machinist apprentice
<b>94106</b> machine tool setter	<b>72100</b> machinist
<b>94106</b> machine tool set-up man/woman	<b>52119</b> machinist-electrician
<b>94106</b> machine tool set-up operator	<b>72010</b> machinists and machine tool set-up operators foreman/woman
<b>94112</b> machine trimmer - rubber products manufacturing	<b>72010</b> machinists foreman/woman
<b>94204</b> machine try-out tester	<b>72010</b> machinists supervisor
<b>94205</b> machine tube assembler - electrical equipment manufacturing	<b>64200</b> made-to-measure garment tailor
<b>94122</b> machine tube maker - paper converting	<b>51121</b> maestro
<b>94205</b> machine tuber - electrical equipment manufacturing	<b>65109</b> magazine distribution agent - retail
<b>94122</b> machine tuber - paper converting	<b>51110</b> magazine editor
<b>72106</b> machine type solderer	<b>14401</b> magazine keeper
<b>14112</b> machine typesetter	<b>64101</b> magazine sales representative - wholesale
	<b>64101</b> magazine sales representative



<b>64100</b> magazine salesperson - retail	<b>64401</b> mail room clerk
<b>64100</b> magazine shop clerk	<b>72025</b> mail room supervisor
<b>65109</b> magazine subscription solicitor	<b>74102</b> mail service courier
<b>55109</b> magician	<b>14404</b> mail service dispatcher
<b>41100</b> magistrate court judge	<b>74100</b> mail sortation clerk
<b>94105</b> magnetic flame cutting machine operator - metal fabrication	<b>74100</b> mail sorter
<b>22101</b> magnetic observer	<b>74100</b> mail tracing clerk
<b>22230</b> magnetic particle technician	<b>64401</b> mailer
<b>22230</b> magnetic particle tester	<b>14301</b> mailing list compiler
<b>22230</b> magnetic particle testing technician	<b>74100</b> mailing machine operator
<b>32121</b> magnetic resonance imaging (MRI) technologist	<b>72400</b> mail-processing equipment mechanic
<b>32121</b> magnetic resonance technologist	<b>74100</b> mail-sorting system operator
<b>94100</b> magnetic separator operator - primary metal processing	<b>94106</b> main bearing borer - metal machining
<b>94219</b> magnetic valve assembler	<b>21230</b> mainframe systems programmer
<b>21100</b> magnetism physicist	<b>72300</b> maintenance and repair plumber (non-construction)
<b>94201</b> magnetometer assembler - electronic equipment manufacturing	<b>72300</b> maintenance and repair plumber
<b>65310</b> maid - cleaning services	<b>70012</b> maintenance and service manager
<b>14101</b> mail and message distribution clerk	<b>70012</b> maintenance and service superintendent
<b>72025</b> mail and postal clerks supervisor	<b>72103</b> maintenance boilermaker
<b>74101</b> mail carrier	<b>72320</b> maintenance bricklayer
<b>72025</b> mail carriers supervisor	<b>75110</b> maintenance carpenter helper
<b>64401</b> mail clerk	<b>72310</b> maintenance carpenter
<b>72025</b> mail clerks supervisor	<b>72310</b> maintenance carpenter-joiner
<b>74101</b> mail collector	<b>72013</b> maintenance carpenters foreman/woman
<b>64401</b> mail counter clerk	<b>73100</b> maintenance cement mason
<b>74102</b> mail courier - courier service	<b>70012</b> maintenance coordinator
<b>74101</b> mail deliverer	<b>70012</b> maintenance director
<b>74100</b> mail dispatcher	<b>72201</b> maintenance electrician - industrial
<b>74100</b> mail distribution clerk	<b>72011</b> maintenance electricians foreman/woman
<b>72025</b> mail facilities senior administrator	<b>72011</b> maintenance electricians supervisor
<b>74100</b> mail filing clerk	<b>21321</b> maintenance engineering lead - industrial and manufacturing
<b>74100</b> mail handler	<b>21301</b> maintenance engineering lead - mechanical
<b>70021</b> mail operations manager	<b>74205</b> maintenance equipment operator - public works
<b>14100</b> mail order clerk	<b>22233</b> maintenance inspector - construction
<b>14100</b> mail order filler	<b>72310</b> maintenance joiner
<b>74100</b> mail processing clerk	<b>75212</b> maintenance labourer - public works
<b>70021</b> mail processing plant manager	<b>72203</b> maintenance lineman/woman - electric power systems
<b>70021</b> mail processing plant superintendent	<b>72010</b> maintenance machine shop foreman/woman
<b>64401</b> mail room assistant	<b>72100</b> maintenance machinist

<b>70012</b> maintenance manager	<b>52119</b> make-up artist and hairdresser - performing arts
<b>72400</b> maintenance mechanic - utilities	<b>52119</b> make-up artist and wig maker
<b>72400</b> maintenance mechanic technician - industrial	<b>64201</b> make-up consultant
<b>72400</b> maintenance mechanic	<b>22110</b> malacology technician
<b>72400</b> maintenance millwright	<b>21110</b> malariologist
<b>74200</b> maintenance of way employee - railway	<b>94140</b> malt dryer tender - food and beverage processing
<b>74200</b> maintenance of way inspector - railway	<b>94140</b> malt house kiln operator - food and beverage processing
<b>70012</b> maintenance operations manager	<b>94140</b> malt roaster - food and beverage processing
<b>70012</b> maintenance operations superintendent	<b>94140</b> malthouse operator - food and beverage processing
<b>73112</b> maintenance painter	<b>75101</b> malthouse worker
<b>73201</b> maintenance person - building	<b>94140</b> maltster - food and beverage processing
<b>72301</b> maintenance pipefitter	<b>21110</b> mammalogist
<b>70012</b> maintenance planner	<b>22110</b> mammalogy technician
<b>72300</b> maintenance plumber	<b>22110</b> mammalogy technologist
<b>64409</b> maintenance service clerk	<b>32121</b> mammography technician
<b>14404</b> maintenance services dispatcher	<b>32121</b> mammography technologist
<b>70012</b> maintenance services manager	<b>11100</b> management accountant
<b>72102</b> maintenance sheet metal worker	<b>11100</b> management accounting chief
<b>70012</b> maintenance superintendent	<b>11201</b> management analyst
<b>70012</b> maintenance support services chief	<b>11201</b> management consultant
<b>22230</b> maintenance technician - non-destructive testing (NDT)	<b>10029</b> management consulting service manager
<b>74204</b> maintenance utility worker	<b>20012</b> management information system (MIS) manager
<b>72106</b> maintenance welder	<b>21222</b> management information systems (MIS) analyst
<b>82031</b> maintenance worker supervisor - campground	<b>21222</b> management information systems (MIS) consultant
<b>72021</b> maintenance-of-way foreman/woman	<b>13100</b> management planning officer
<b>64300</b> maître d'	<b>41210</b> management seminar leader
<b>64300</b> maître d'hôtel	<b>64401</b> management services clerk - mail and postal services
<b>40030</b> major community projects coordinator	<b>10019</b> management services division chief
<b>72421</b> major electric appliance repairer	<b>10029</b> management services division head - business services
<b>73200</b> major electric household appliance installer	<b>60020</b> management trainee - retail
<b>72421</b> major electric household appliance repairer	<b>00011</b> manager - First Nations
<b>73200</b> major electrical appliance installer	<b>10022</b> manager - marketing services
<b>72421</b> major electrical appliance repairer	<b>60020</b> manager - retail store chain
<b>72421</b> major electrical appliance servicer	<b>10010</b> manager of accounting department
<b>40042</b> major general	<b>10010</b> manager of auditing department
<b>40042</b> major	<b>80010</b> manager of mining operations
<b>63211</b> make up artist - beauty salon, spa and retail	
<b>52119</b> make-up artist - motion pictures, broadcasting and performing arts	
<b>52119</b> make-up artist - special effects	

<b>60020</b> manager trainee - retail	<b>11100</b> manufacturing accountant
<b>64301</b> managing bartender	<b>00015</b> manufacturing company chief executive officer
<b>10019</b> managing director	<b>90010</b> manufacturing company manager
<b>50011</b> managing editor - newspaper or periodical	<b>92024</b> manufacturing coordinator
<b>50011</b> managing editor	<b>22302</b> manufacturing cost estimator
<b>32100</b> managing optician	<b>94202</b> manufacturing electrical tester
<b>60020</b> managing supervisor - retail	<b>21321</b> manufacturing engineer
<b>53124</b> mandolin maker	<b>21321</b> manufacturing engineering lead
<b>94112</b> mandrel builder - rubber products manufacturing	<b>90010</b> manufacturing industry manager
<b>94130</b> mangler tender - textile manufacturing	<b>72020</b> manufacturing machinery assembly foreman/woman
<b>63211</b> manicurist	<b>72405</b> manufacturing machinery fitter
<b>94100</b> manipulator machine operator - primary metal processing	<b>90010</b> manufacturing manager
<b>94105</b> manipulator operator - metal forging	<b>90010</b> manufacturing operations manager
<b>52111</b> mannequin artist	<b>94201</b> manufacturing operator - electronic equipment manufacturing
<b>94219</b> mannequin assembler	<b>14402</b> manufacturing order clerk
<b>94111</b> mannequin moulder - plastic manufacturing	<b>12013</b> manufacturing orders clerks supervisor
<b>94219</b> mannequin wig maker	<b>94213</b> manufacturing painter
<b>32109</b> manual arts therapist	<b>90010</b> manufacturing plant manager
<b>75210</b> manual cable ferry operator	<b>90010</b> manufacturing plant superintendent
<b>14112</b> manual compositor	<b>90010</b> manufacturing quality assurance (QA) director
<b>75110</b> manual concrete vibrator operator	<b>20011</b> manufacturing research director
<b>75110</b> manual curb builder	<b>22302</b> manufacturing technician - industrial engineering
<b>94101</b> manual moulder	<b>22302</b> manufacturing technician
<b>75212</b> manual sewer pipe cleaner	<b>22302</b> manufacturing technologist
<b>75212</b> manual sidewalk cleaner	<b>51110</b> manuscript editor
<b>75110</b> manual stone spreader operator	<b>14301</b> manuscript proofreader
<b>75212</b> manual street cleaner	<b>14100</b> map clerk
<b>75212</b> manual street sweeper	<b>22214</b> map draftsman/woman
<b>75110</b> manual terrazzo grinder	<b>22214</b> map editor
<b>51112</b> manual writer	<b>82030</b> maple products foreman/woman - agriculture
<b>94211</b> manufactured home assembler	<b>85101</b> maple syrup maker
<b>72310</b> manufactured house carpenter	<b>80020</b> maple syrup producer
<b>94211</b> manufactured housing production worker	<b>85101</b> maple tapping worker
<b>64101</b> manufacturer's agent - wholesale (non-technical)	<b>21300</b> mapping engineer
<b>41402</b> manufacturers' association analyst	<b>72600</b> mapping pilot
<b>40030</b> manufacturers' association manager	<b>22214</b> mapping technician
<b>64101</b> manufacturer's representative - wholesale (non-technical)	<b>94140</b> maraschino cherry processor - food and beverage processing
<b>62100</b> manufacturer's sales representative	<b>72014</b> marble and terrazzo contractor-setter

<b>72014</b> marble and terrazzo setter-contractor	<b>72603</b> marine engineer officer - water transport
<b>72014</b> marble and terrazzo setting contractor	<b>72603</b> marine engineer officer
<b>94103</b> marble carver - concrete, clay and stone forming	<b>72603</b> marine engineer officer-cadet (except armed forces)
<b>94103</b> marble cutter	<b>21399</b> marine engineer
<b>73101</b> marble layer	<b>20010</b> marine engineering manager
<b>73101</b> marble mason	<b>74201</b> marine engineering mechanic
<b>73101</b> marble mechanic	<b>74201</b> marine engineering technician
<b>75110</b> marble setter helper	<b>22301</b> marine engineering technologist
<b>73101</b> marble setter	<b>72201</b> marine equipment electrician
<b>72014</b> marble setters foreman/woman	<b>22110</b> marine farming technologist
<b>72014</b> marble setting foreman/woman	<b>21102</b> marine geologist
<b>73101</b> marble tilesetter	<b>21102</b> marine geophysicist
<b>94140</b> margarine blender	<b>22101</b> marine geoscience technologist
<b>94140</b> margarine clarifier - food and beverage processing	<b>21110</b> marine hydrobiologist
<b>94140</b> margarine processor	<b>12201</b> marine insurance adjuster
<b>14201</b> margin calculation clerk - financial sector	<b>21110</b> marine mammal trainer
<b>65101</b> marina attendant	<b>21301</b> marine mechanical engineer
<b>70012</b> marina manager	<b>74201</b> marine oiler
<b>70012</b> marina operator	<b>70020</b> marine operations manager
<b>65101</b> marina worker	<b>70020</b> marine operations superintendent
<b>12202</b> marine and aircraft underwriter - insurance	<b>72301</b> marine pipefitter
<b>22110</b> marine biological technician	<b>72012</b> marine pipefitters foreman/woman
<b>21110</b> marine biologist	<b>85102</b> marine plant gatherer
<b>22110</b> marine biology technician	<b>72300</b> marine plumber
<b>22110</b> marine biology technologist	<b>73400</b> marine railway operator
<b>72103</b> marine boilermaker	<b>72423</b> marine repair technician
<b>22231</b> marine cargo surveyor	<b>72603</b> marine second engineer - water transport
<b>12201</b> marine claims adjuster - insurance	<b>72603</b> marine senior engineer - water transport
<b>94212</b> marine craft plastic panelling assembler	<b>72020</b> marine service foreman/woman - engine repair
<b>22110</b> marine culture technologist	<b>72423</b> marine service technician apprentice
<b>22231</b> marine damage surveyor	<b>72423</b> marine service technician
<b>22212</b> marine drafting supervisor	<b>72301</b> marine steamfitter
<b>75119</b> marine electrician helper	<b>72104</b> marine steel fitter
<b>72201</b> marine electrician	<b>70020</b> marine superintendent
<b>72011</b> marine electricians foreman/woman	<b>22231</b> marine surveyor
<b>72400</b> marine engine mechanic apprentice	<b>21399</b> marine systems engineer
<b>72400</b> marine engine mechanic	<b>72604</b> marine traffic controller
<b>74201</b> marine engine oiler	<b>72604</b> marine traffic regulator
<b>94204</b> marine engine quality-control assembly inspector	<b>70020</b> marine transportation operations manager
	<b>12202</b> marine underwriter - insurance

<b>72201</b> marine wireman/woman	<b>00015</b> marketing vice-president - goods production, utilities, transportation and construction
<b>55109</b> marionette handler	<b>00014</b> marketing vice-president - grocery store chain
<b>41301</b> marital counsellor	<b>00013</b> marketing vice-president - health, education, social and community services and membership organizations
<b>53122</b> maritime art painter	<b>00014</b> marketing vice-president - trade, broadcasting and other services
<b>65320</b> marker - laundry and dry cleaning	<b>14112</b> markup person - typesetting
<b>41201</b> marker - post-secondary teaching assistance	<b>94210</b> marquetry worker - furniture manufacturing
<b>95100</b> marker - primary metal processing	<b>41301</b> marriage and family therapist
<b>40011</b> market analysis director - government services	<b>41301</b> marriage consultant
<b>41402</b> market analyst - non-financial	<b>41301</b> marriage counsellor
<b>40011</b> market development director	<b>41301</b> marriage therapist
<b>10022</b> market development manager	<b>94140</b> marshmallow maker
<b>85101</b> market garden worker	<b>54100</b> martial arts instructor
<b>80020</b> market gardener	<b>94140</b> marzipan maker
<b>41402</b> market intelligence analyst	<b>55109</b> mascot
<b>41402</b> market research analyst	<b>94140</b> mash dryer - food and beverage processing
<b>10029</b> market research service manager	<b>94140</b> mash operator - food and beverage processing
<b>41402</b> market research specialist	<b>94143</b> mashgiach - food and beverage processing
<b>41402</b> market researcher	<b>95109</b> masker
<b>41402</b> marketing analysis specialist	<b>22233</b> masonry inspector
<b>41402</b> marketing analyst - non-financial	<b>75110</b> masonry pointer and caulker
<b>41402</b> marketing analyst	<b>72320</b> masonry silo erector
<b>41402</b> marketing analytics analyst	<b>75110</b> mason's helper
<b>11202</b> marketing consultant - advertising	<b>22100</b> mass spectrometer technician
<b>11202</b> marketing consultant	<b>22100</b> mass spectrometer technologist
<b>11202</b> marketing coordinator	<b>22100</b> mass spectrometry technician
<b>41402</b> marketing data analyst	<b>21202</b> mass transit services analyst
<b>10022</b> marketing director	<b>60040</b> massage parlour manager
<b>10022</b> marketing executive	<b>32201</b> massage therapist (MT)
<b>10022</b> marketing manager	<b>65229</b> massager
<b>11202</b> marketing project manager	<b>65229</b> masseur/masseuse
<b>41402</b> marketing project officer - market research	<b>32201</b> masso kinesitherapist
<b>41402</b> marketing research specialist	<b>32201</b> massotherapist
<b>41402</b> marketing researcher	<b>72602</b> master - inland waters
<b>11202</b> marketing specialist - advertising	<b>72602</b> master - minor waters
<b>11202</b> marketing specialist	<b>72602</b> master - water transport
<b>41210</b> marketing teacher - college level	<b>62200</b> master chef
<b>00015</b> marketing vice-president - airline	<b>52112</b> master control room (MCR) equipment operator - broadcasting
<b>00012</b> marketing vice-president - clerical staff services	
<b>00012</b> marketing vice-president - financial, communications and other business services	

<b>52112</b> master control room (MCR) technician - broadcasting	<b>21322</b> materials engineer
<b>22100</b> master dyer - textiles	<b>21109</b> materials engineering scientist
<b>53124</b> master glass blower	<b>22302</b> materials handling technician
<b>53124</b> master glassmaker	<b>21109</b> materials scientist
<b>80021</b> master grower - cannabis	<b>22300</b> materials testing technician
<b>72100</b> master machinist	<b>22300</b> materials testing technologist
<b>72602</b> master mariner	<b>21100</b> mathematical biophysicist
<b>52114</b> master of ceremonies (MC)	<b>41401</b> mathematical economist
<b>93101</b> master operator - chemical processing	<b>20011</b> mathematical services manager
<b>95105</b> master pattern cutter	<b>21210</b> mathematical statistician
<b>52113</b> master record cutter	<b>21210</b> mathematician
<b>64200</b> master tailor	<b>41405</b> mathematics coordinator - education
<b>94110</b> match head maker	<b>20011</b> mathematics department director
<b>94219</b> match inspector	<b>41200</b> mathematics professor - university
<b>94122</b> matchbook comb-cutting machine tender	<b>20011</b> mathematics program manager
<b>94122</b> matchbook folding-stapling machine tender	<b>41210</b> mathematics teacher - college level
<b>94219</b> matchbook inspector	<b>41220</b> mathematics teacher - secondary school
<b>94210</b> matcher - furniture finishing and refinishing	<b>43201</b> matron - correctional service
<b>72602</b> mate - water transport	<b>92013</b> matting inspection foreman/woman - rubber manufacturing
<b>10012</b> material and services purchasing manager	<b>92013</b> matting inspection supervisor - rubber products manufacturing
<b>14402</b> material checker	<b>94210</b> mattress assembler - furniture manufacturing
<b>12013</b> material clerks supervisor	<b>94210</b> mattress maker
<b>13201</b> material control coordinator	<b>92022</b> mattress manufacturing foreman/woman
<b>10019</b> material control manager	<b>94210</b> mattress manufacturing inspector
<b>13201</b> material coordinator	<b>94131</b> mattress sewing machine operator
<b>14402</b> material estimator	<b>00010</b> mayor
<b>75101</b> material handler - manufacturing and warehousing	<b>42201</b> meals-on-wheels worker
<b>75101</b> material handler	<b>22231</b> measurement specialist - oil and gas
<b>72400</b> material handling equipment mechanic	<b>22231</b> measurement technician - oil and gas inspection
<b>14401</b> material keeper	<b>22312</b> measurement technician - oil and gas installation
<b>12102</b> material management officer	<b>75110</b> measurer
<b>10012</b> material manager	<b>22300</b> measures technician
<b>94132</b> material mender	<b>94130</b> measuring machine tender - hide and pelt processing
<b>12102</b> material purchasing officer	<b>94141</b> meat boner
<b>21300</b> material testing civil engineer	<b>62101</b> meat buyer
<b>92023</b> material-handling equipment assembly foreman/woman	<b>94140</b> meat canner
<b>62100</b> material-handling equipment salesperson	<b>62200</b> meat chef
<b>84100</b> materialman/woman - underground mining	
<b>12102</b> materials coordinator	

<b>94140</b> meat chopper - food and beverage processing	<b>94141</b> meat trimmer
<b>94141</b> meat chopper - meat packing plant	<b>95106</b> meat vacuum wrapper
<b>94140</b> meat cook - food and beverage processing	<b>95106</b> meat washer
<b>64100</b> meat counter clerk	<b>65102</b> meat wrapper - grocery store
<b>94140</b> meat curer	<b>95106</b> meat wrapper
<b>94141</b> meat cutter - meat packing plant	<b>62200</b> meat, poultry and fish chef
<b>65202</b> meat cutter - retail or wholesale	<b>95106</b> meat-packing plant labourer
<b>65102</b> meat cutter helper - supermarket	<b>95106</b> meat-rolling machine tender
<b>92012</b> meat cutting plant foreman/woman	<b>72410</b> mechanic - motor vehicle manufacturing
<b>65102</b> meat department assistant - supermarket	<b>72400</b> mechanic - utilities
<b>60020</b> meat department manager - food store	<b>75119</b> mechanic helper
<b>60020</b> meat department manager - retail	<b>94204</b> mechanical assembler group leader
<b>62010</b> meat department supervisor	<b>94204</b> mechanical assembler
<b>94141</b> meat dresser - meat packing plant	<b>94204</b> mechanical assemblers lead hand
<b>95106</b> meat dryer	<b>74201</b> mechanical assistant - water transport
<b>94143</b> meat grader	<b>74201</b> mechanical assistant, ship's engine room
<b>94140</b> meat grinder - food and beverage processing	<b>22212</b> mechanical building draftsman
<b>22111</b> meat hygiene inspector	<b>72022</b> mechanical composition foreman/woman - printing
<b>22111</b> meat inspection supervisor	<b>22212</b> mechanical design draftsman
<b>22111</b> meat inspector	<b>21301</b> mechanical design engineer
<b>95106</b> meat loaf trimmer	<b>22212</b> mechanical draftsman
<b>94140</b> meat mincer - food and beverage processing	<b>21301</b> mechanical engineer
<b>94140</b> meat mincer - packaging	<b>22301</b> mechanical engineering design technologist
<b>94140</b> meat mixer	<b>22301</b> mechanical engineering development technologist
<b>95106</b> meat mould sealer	<b>22301</b> mechanical engineering equipment designer
<b>95106</b> meat mould stripper	<b>21301</b> mechanical engineering lead
<b>94140</b> meat moulder - food and beverage processing	<b>20010</b> mechanical engineering manager
<b>95106</b> meat packager - food and beverage processing	<b>41200</b> mechanical engineering professor - university
<b>95106</b> meat packager	<b>21301</b> mechanical engineering project manager
<b>95106</b> meat packer - food and beverage processing	<b>22301</b> mechanical engineering technician
<b>92012</b> meat packing supervisor	<b>22301</b> mechanical engineering technologist
<b>94140</b> meat pickler	<b>22301</b> mechanical equipment engineering assistant
<b>94141</b> meat portion cutter - meat packing plant	<b>72020</b> mechanical equipment repair inspection foreman/woman
<b>65202</b> meat portion cutter - retail or wholesale	<b>72020</b> mechanical equipment repair inspectors foreman/woman
<b>95106</b> meat press tender	<b>22303</b> mechanical estimator - construction
<b>94141</b> meat roll tier - food and beverage processing	<b>72405</b> mechanical fitter
<b>94140</b> meat salter	<b>83110</b> mechanical harvester and forwarder operator
<b>94141</b> meat sawyer - meat packing plant	<b>83110</b> mechanical harvester operator - logging
<b>94141</b> meat tenderizer - food and beverage processing	
<b>94141</b> meat trimmer - meat packing plant	

<b>72500</b> mechanical hoist operator	<b>11202</b> media coordinator
<b>21301</b> mechanical hydraulic engineer	<b>12102</b> media estimator
<b>94200</b> mechanical inspector - motor vehicle manufacturing	<b>11202</b> media events coordinator
<b>72020</b> mechanical inspectors foreman/woman	<b>11202</b> media relations coordinator
<b>95109</b> mechanical insulator tester	<b>10022</b> media relations director
<b>21301</b> mechanical maintenance engineer	<b>10022</b> media relations manager
<b>72020</b> mechanical maintenance foreman/woman - utilities	<b>11202</b> media relations officer
<b>72020</b> mechanical maintenance supervisor - manufacturing	<b>12102</b> media time and space buyer
<b>72020</b> mechanical maintenance supervisor	<b>64101</b> media time sales representative
<b>22301</b> mechanical marine engineering technician	<b>12110</b> media transcriber
<b>73209</b> mechanical meter repairer	<b>12110</b> media transcriptionist
<b>21301</b> mechanical power engineer	<b>11200</b> mediator - labour relations
<b>94105</b> mechanical press operator - metal products manufacturing	<b>11200</b> mediator
<b>95101</b> mechanical press operator helper - metal products manufacturing	<b>41404</b> medical adjudicator - Canada Pension Plan
<b>94204</b> mechanical pump assembler	<b>13112</b> medical administrative assistant
<b>94200</b> mechanical quality assurance inspector - motor vehicle manufacturing	<b>33102</b> medical aide
<b>70012</b> mechanical services superintendent	<b>12111</b> medical archivist
<b>74205</b> mechanical sweeper operator - public works	<b>32102</b> medical assistant (paramedic)
<b>72404</b> mechanical systems aircraft maintenance engineer (AME)	<b>33102</b> medical attendant - patient transfer
<b>74200</b> mechanical tamper operator - railway	<b>31100</b> medical bacteriologist
<b>22301</b> mechanical technical inspector	<b>31100</b> medical biochemist - physician
<b>22301</b> mechanical technologist	<b>21101</b> medical biochemist
<b>41210</b> mechanical technology teacher - college level	<b>21100</b> medical biophysicist
<b>94200</b> mechanical test technician - motor vehicle manufacturing	<b>21101</b> medical chemist
<b>83110</b> mechanical tree processor and loader operator	<b>12201</b> medical claims assessor - insurance
<b>83110</b> mechanical tree processor operator - logging	<b>33109</b> medical clinic assistant
<b>72410</b> mechanical upgrader - motor vehicle manufacturing	<b>30010</b> medical clinic director
<b>75119</b> mechanic-fitter helper	<b>14101</b> medical clinic receptionist
<b>72020</b> mechanics foreman/woman	<b>33109</b> medical device reprocessing technician
<b>75119</b> mechanic's helper - automotive	<b>33109</b> medical device reprocessor
<b>21100</b> mechanics physicist	<b>12110</b> medical dictatypist
<b>21110</b> mechanistic toxicologist	<b>30010</b> medical director
<b>21301</b> mechatronic engineer	<b>31102</b> medical doctor
<b>10022</b> media advertising manager	<b>51110</b> medical editor
<b>12102</b> media buyer	<b>32123</b> medical electrophysiology technologist
	<b>21100</b> medical engineering biophysicist
	<b>62100</b> medical equipment and supplies salesperson
	<b>41310</b> medical examiner
	<b>31100</b> medical geneticist
	<b>31100</b> medical genetics specialist
	<b>52120</b> medical illustrator



<b>32121</b> medical imaging technologist - nuclear medicine	<b>31100</b> medical physiologist
<b>32121</b> medical imaging technologist - radiodiagnosis	<b>32200</b> medical Qi gong practitioner
<b>32122</b> medical imaging technologist - ultrasound	<b>32121</b> medical radiation technologist - Canadian Armed Forces
<b>12100</b> medical information assistant	<b>32121</b> medical radiation technologist
<b>33109</b> medical instrument sterilizer	<b>32121</b> medical radiation technologists supervisor
<b>22310</b> medical instruments repairer	<b>32121</b> medical radiographer
<b>62100</b> medical instruments sales agent	<b>14101</b> medical receptionist
<b>31301</b> medical intensive care nurse	<b>14100</b> medical records clerk
<b>33101</b> medical laboratory aide	<b>10019</b> medical records department manager
<b>33101</b> medical laboratory assistant	<b>41210</b> medical records management program teacher
<b>32120</b> medical laboratory biochemistry technologist	<b>10019</b> medical records manager
<b>32120</b> medical laboratory charge technologist	<b>12111</b> medical records supervisor
<b>32120</b> medical laboratory cytotechnologist	<b>12111</b> medical records technician
<b>22310</b> medical laboratory equipment repairer	<b>12111</b> medical records technicians supervisor
<b>33101</b> medical laboratory helper	<b>12111</b> medical records unit supervisor
<b>32120</b> medical laboratory microbiology technologist	<b>41200</b> medical sciences professor - university
<b>33101</b> medical laboratory technical assistant	<b>13112</b> medical secretary
<b>33101</b> medical laboratory technician	<b>41300</b> medical social worker
<b>32120</b> medical laboratory technologist - anatomical pathology	<b>41409</b> medical sociologist
<b>32120</b> medical laboratory technologist - core laboratory	<b>32122</b> medical sonographer
<b>32120</b> medical laboratory technologist	<b>32122</b> medical sonographers supervisor
<b>32120</b> medical laboratory technologists supervisor	<b>31100</b> medical specialist officer - Canadian Armed Forces
<b>32120</b> medical laboratory tissue technologist	<b>31100</b> medical specialist
<b>51100</b> medical librarian	<b>21210</b> medical statistician
<b>33109</b> medical material handler	<b>13112</b> medical stenographer
<b>31100</b> medical microbiologist	<b>14401</b> medical supply attendant
<b>31102</b> medical missionary	<b>14401</b> medical supply clerk
<b>14101</b> medical office assistant	<b>32101</b> medical technician - Canadian Armed Forces
<b>14101</b> medical office secretary-receptionist	<b>32102</b> medical technician
<b>31102</b> medical officer - Canadian Armed Forces	<b>32120</b> medical technologist - medical laboratory
<b>31102</b> medical officer of health (MOH)	<b>32120</b> medical technologist
<b>31100</b> medical oncologist	<b>32120</b> medical technologists supervisor
<b>31100</b> medical oncology specialist	<b>41210</b> medical technology teacher
<b>33102</b> medical orderly	<b>51114</b> medical terminologist
<b>31100</b> medical parasitologist	<b>12110</b> medical transcriptionist
<b>21110</b> medical parasitology biologist	<b>51114</b> medical translator
<b>31100</b> medical pathologist	<b>00013</b> medical vice-president - health services
<b>53110</b> medical photographer	<b>51112</b> medical writer
<b>21100</b> medical physicist	<b>21101</b> medicinal chemist

<b>41200</b> medicine professor - university	<b>42201</b> mental health worker
<b>65229</b> medium	<b>65229</b> mental telepathist
<b>12103</b> meeting coordinator	<b>94130</b> mercerizer - textile manufacturing
<b>12103</b> meeting planner	<b>94130</b> mercerizer machine operator - textile manufacturing
<b>63211</b> mehndi tattoo artist	<b>12011</b> merchandise clerks supervisor
<b>95100</b> melt shop helper	<b>64409</b> merchandise exchange clerk
<b>95100</b> melt shop labourer	<b>10012</b> merchandise purchasing director
<b>94101</b> melter - foundry	<b>10012</b> merchandise purchasing manager
<b>93100</b> melter - primary metal processing	<b>62101</b> merchandiser
<b>95100</b> melter helper - primary metal and mineral products processing	<b>94140</b> merchant miller - food and beverage processing
<b>94140</b> melter tender - food and beverage processing	<b>72602</b> merchant navy mate
<b>92010</b> melting and roasting department supervisor	<b>63102</b> merchant services specialist - financial
<b>92010</b> melting and roasting foreman/woman - primary metal and mineral products processing	<b>94110</b> mercury recoverer - chemical processing
<b>92010</b> melting and roasting operations foreman/woman - primary metal and mineral products processing	<b>65211</b> merry-go-round operator
<b>00010</b> Member of Legislative Assembly (MLA)	<b>72106</b> mesh-welding machine operator
<b>00010</b> Member of Parliament (MP)	<b>63200</b> mess cook
<b>00010</b> Member of the House of Assembly (MHA)	<b>65200</b> mess waiter/waitress
<b>00010</b> Member of the National Assembly (MNA)	<b>74102</b> message carrier
<b>00010</b> Member of the Provincial Parliament (MPP)	<b>74102</b> message deliverer
<b>00013</b> membership organization general manager	<b>70021</b> messenger service manager
<b>64101</b> membership sales representative	<b>64401</b> messenger service representative
<b>40030</b> membership services manager	<b>72025</b> messenger service supervisor
<b>53123</b> memorial designer	<b>74102</b> messenger
<b>64100</b> memorial salesperson - retail	<b>74102</b> messenger-clerk
<b>53125</b> men's and women's wear patternmaker	<b>72020</b> metal and woodworking machinery manufacturing foreman/woman
<b>64100</b> men's clothing sales clerk	<b>94100</b> metal annealing tender
<b>64100</b> men's clothing salesperson - retail	<b>53124</b> metal arts worker
<b>64200</b> men's garment alterations tailor	<b>94107</b> metal awning machine operator
<b>63210</b> men's hairdresser	<b>94106</b> metal band saw operator
<b>40030</b> men's hostel manager	<b>94107</b> metal blade sharpener operator
<b>64100</b> men's wear sales clerk	<b>94213</b> metal bluer
<b>41301</b> mental health counsellor	<b>95101</b> metal bluing cleaner - metal products manufacturing
<b>31301</b> mental health nurse	<b>72106</b> metal brazier and heater
<b>42201</b> mental health proctor	<b>95101</b> metal buffer - metal products manufacturing
<b>41404</b> mental health programs consultant	<b>92023</b> metal buffers foreman/woman
<b>30010</b> mental health residential care program manager	<b>92023</b> metal buffing foreman/woman
<b>42201</b> mental health support worker	<b>94210</b> metal cabinet assembler
	<b>94107</b> metal cable machine operator
	<b>94107</b> metal cable maker operator

<b>94107</b> metal cable maker	<b>94210</b> metal furniture inspector
<b>94107</b> metal cable stretcher and tester	<b>72102</b> metal furniture model maker
<b>94210</b> metal casket assembler	<b>72102</b> metal furniture patternmaker
<b>94101</b> metal caster - foundry	<b>94210</b> metal furniture repairer
<b>92010</b> metal casters, moulders and coremakers foreman/woman	<b>94100</b> metal hardener - primary metal processing
<b>95101</b> metal casting finisher	<b>94210</b> metal hardware installer - furniture manufacturing
<b>92010</b> metal casting, moulding and coremaking foreman/woman	<b>93100</b> metal heater - primary metal processing
<b>94210</b> metal chair assembler	<b>93100</b> metal heater operator
<b>95101</b> metal cleaner - metal products manufacturing	<b>92010</b> metal heat-treating foreman/woman - primary metal processing
<b>95101</b> metal cleaner	<b>95100</b> metal impregnator - primary metal processing
<b>94213</b> metal coater operator	<b>72106</b> metal inert gas (MIG) welder
<b>94213</b> metal coater	<b>73102</b> metal lather
<b>94213</b> metal coating-equipment operator	<b>94210</b> metal locker assembler
<b>94105</b> metal cut-off saw operator	<b>93100</b> metal melter
<b>60020</b> metal dealer	<b>94100</b> metal mixer - primary metal processing
<b>32112</b> metal dental technician	<b>94100</b> metal mixer operator - primary metal processing
<b>94213</b> metal dipper	<b>72010</b> metal mould and metal patternmakers foreman/woman
<b>94219</b> metal door frame assembler	<b>72010</b> metal mould and metal patternmakers supervisor
<b>94213</b> metal electroplater	<b>72101</b> metal mould finisher
<b>94213</b> metal electroplating inspector	<b>72101</b> metal mould maker
<b>53124</b> metal engraver	<b>72101</b> metal mouldmaker
<b>94100</b> metal extrusion press operator - primary metal processing	<b>94107</b> metal nut former
<b>94105</b> metal fabricating machine operator	<b>94107</b> metal nut maker
<b>95101</b> metal fabrication worker	<b>94105</b> metal parts inspector
<b>72104</b> metal fabricator - structural metal and platework	<b>72101</b> metal patternmaker apprentice
<b>72104</b> metal fabricator (fitter)	<b>72101</b> metal patternmaker
<b>72010</b> metal fabricator foreman/woman	<b>21100</b> metal physicist
<b>72104</b> metal fabricator	<b>95101</b> metal pickler operator helper
<b>73200</b> metal fence erector	<b>94107</b> metal pin maker
<b>72411</b> metal finish and touch-up repairer - motor vehicle manufacturing	<b>94107</b> metal pipe cutter machine operator
<b>72411</b> metal finisher - motor vehicle manufacturing	<b>94107</b> metal pipe cutter operator
<b>72010</b> metal fitters foreman/woman	<b>94107</b> metal pipe machine cutter
<b>94107</b> metal floor lamp maker	<b>94213</b> metal plater-polisher
<b>75110</b> metal form setter - construction	<b>94213</b> metal plating-equipment operator
<b>94101</b> metal frame moulder - foundry	<b>94100</b> metal pointer operator - primary metal processing
<b>72310</b> metal framer - carpentry	<b>95101</b> metal polisher helper
<b>94210</b> metal furniture assembler	<b>95101</b> metal polishing-plating labourer
<b>92022</b> metal furniture assembly foreman/woman	

<b>94100</b> metal pourer - metal processing	<b>72106</b> metal straightener and heater
<b>95100</b> metal pourer helper - primary metal processing	<b>94104</b> metal strength tester - primary metal processing
<b>95100</b> metal pourer helper	<b>72105</b> metal structure erector
<b>95100</b> metal powder lubricator finisher	<b>95101</b> metal structure fitter helper
<b>94105</b> metal power saw operator	<b>94210</b> metal table assembler
<b>72104</b> metal preparation lead hand - structural metal and platework	<b>94105</b> metal table saw operator
<b>94104</b> metal processing inspector	<b>94107</b> metal tack maker
<b>94213</b> metal product spray painter	<b>72105</b> metal tank erecting ironworker
<b>94219</b> metal products assembler	<b>94104</b> metal tensile strength tester - primary metal processing
<b>92023</b> metal products inspection and testing foreman/woman	<b>75110</b> metal trim erector helper
<b>94107</b> metal products manufacturing machine operator	<b>95100</b> metal tube marker - primary metal processing
<b>62100</b> metal products salesperson	<b>72411</b> metal upgrader - motor vehicle manufacturing
<b>95100</b> metal reclaiming helper - primary metal processing	<b>72105</b> metal wall framing installer
<b>94100</b> metal reclaiming	<b>72105</b> metal wall framing ironworker
<b>72411</b> metal repairer - motor vehicle manufacturing	<b>72105</b> metal wall installation ironworker
<b>93100</b> metal roaster - primary metal processing	<b>72106</b> metal welder
<b>92010</b> metal rolling foreman/woman	<b>90010</b> metal works fabrication manager
<b>75110</b> metal roofer helper - construction	<b>94107</b> metal-bonding equipment operator
<b>73110</b> metal roofer	<b>94213</b> metal-dipping equipment operator
<b>95100</b> metal salvager helper - primary metal processing	<b>92010</b> metal-extruding and metal-drawing foreman/woman
<b>94106</b> metal saw tooth grinder	<b>95101</b> metal-fabricating shop helper
<b>94105</b> metal sawing machine operator	<b>94105</b> metal-forming machine set-up operator
<b>75110</b> metal scaffold erector helper	<b>94105</b> metal-forming machine tender
<b>72105</b> metal scaffold erector	<b>94213</b> metal-leaf gilder
<b>94107</b> metal screened door and window maker	<b>94213</b> metallizer
<b>53122</b> metal sculptor	<b>21109</b> metallographer
<b>72010</b> metal shapers foreman/woman	<b>22101</b> metallurgical control analyst
<b>72010</b> metal shipwright foreman/woman	<b>21322</b> metallurgical engineer
<b>72104</b> metal shipwright	<b>41200</b> metallurgical engineering professor - university
<b>93100</b> metal smelter	<b>22101</b> metallurgical engineering technician
<b>92010</b> metal smelting, converting and refining foreman/woman	<b>22101</b> metallurgical engineering technologist
<b>72106</b> metal solderer	<b>22101</b> metallurgical technologist
<b>94105</b> metal spinner	<b>21109</b> metallurgist
<b>94107</b> metal sponge machine tender	<b>41200</b> metallurgy professor - university
<b>94107</b> metal sponge maker	<b>72010</b> metal-machining inspection foreman/woman
<b>94213</b> metal spray operator	<b>51101</b> metals conservator
<b>94213</b> metal sprayer	<b>94219</b> metal-sheathed insulation former
	<b>94105</b> metal-stamping press operator
	<b>94107</b> metal-twisting machine tender

<b>72010</b> metalwork forming, shaping and installing contractor	<b>00010</b> metropolitan council chair
<b>95101</b> metalworking machine helper	<b>51122</b> mezzo-soprano
<b>94105</b> metalworking machine operator	<b>94201</b> mica capacitor assembler
<b>92023</b> metalworking machine operators foreman/woman	<b>94100</b> mica crusher tender
<b>94105</b> metalworking machine setter	<b>94100</b> mica plate tender
<b>94105</b> metalworking machine set-up man/woman	<b>94100</b> mica press tender
<b>94105</b> metalworking machine set-up operator	<b>92010</b> mica processing foreman/woman
<b>72400</b> metalworking machinery mechanic	<b>94202</b> mica products maker
<b>94107</b> metalworking weaver - metal products manufacturing	<b>94100</b> mica sheet laminator
<b>22214</b> meteorological aide	<b>94100</b> mica sheet salvager
<b>22214</b> meteorological inspector	<b>94100</b> mica splitter
<b>22214</b> meteorological technician - Canadian Armed Forces	<b>94100</b> mica trimmer
<b>22214</b> meteorological technician	<b>22110</b> microbiological technician
<b>21103</b> meteorologist	<b>21110</b> microbiologist
<b>41200</b> meteorology professor - university	<b>22110</b> microbiology quality control technologist
<b>94219</b> meter assembler	<b>22110</b> microbiology technician (except medical)
<b>21310</b> meter engineer	<b>22110</b> microbiology technologist (except medical)
<b>72203</b> meter installer - electric power systems	<b>94201</b> microcircuit assembler
<b>72011</b> meter installers and repairers foreman/woman	<b>40011</b> microeconomic policy development director - government services
<b>14110</b> meter reader	<b>21301</b> micro-electro-mechanical systems (MEMS) research engineer
<b>14100</b> meter records clerk	<b>94201</b> microelectronic circuit fabricator
<b>72422</b> meter repair electrical mechanic	<b>21310</b> microelectronics engineer
<b>72020</b> meter repair shop foreman/woman	<b>12112</b> microfilm camera operator
<b>73209</b> meter repairer	<b>12112</b> microfilm moulder
<b>73209</b> meter servicer	<b>12112</b> microfilm records searcher
<b>22310</b> metering technologist	<b>12112</b> microfilmer
<b>11201</b> methods and cost analyst	<b>21102</b> micropaleontologist
<b>11201</b> methods and procedures analyst	<b>21311</b> microprocessor designer and application engineer
<b>10029</b> methods and procedures manager	<b>10030</b> microwave facilities manager - telecommunications
<b>22302</b> methods designer	<b>22310</b> microwave maintenance technician
<b>21321</b> methods engineer	<b>21100</b> microwave physicist
<b>40010</b> Métis development programs regional director - government services	<b>72011</b> microwave system foreman/woman
<b>22310</b> metrics technologist	<b>21311</b> microwave systems engineer
<b>21100</b> metrologist	<b>21311</b> microwave transmission systems engineer
<b>21310</b> metrology engineer	<b>31303</b> midwife
<b>22310</b> metrology technician	<b>41409</b> military historian
<b>22310</b> metrology technologist	<b>40040</b> military police officer - commissioned

<b>42100</b> military policeman/woman - except commissioned	<b>92015</b> millinery foreman/woman - fabric, fur and leather products manufacturing
<b>14400</b> milk and cream receiver - food and beverage processing	<b>64200</b> millinery maker
<b>75201</b> milk deliverer	<b>94106</b> milling machine operator - metal machining
<b>94140</b> milk dryer - food and beverage processing	<b>94100</b> milling machine operator - mineral and metal processing
<b>94143</b> milk grader	<b>94106</b> milling machine setter
<b>22111</b> milk inspector	<b>94106</b> milling machine set-up operator
<b>94140</b> milk pasteurizer - food and beverage processing	<b>92010</b> milling plant foreman/woman - primary metal and mineral products processing
<b>95106</b> milk powder grinder	<b>92013</b> millroom foreman/woman - rubber products manufacturing
<b>92012</b> milk processing foreman/woman	<b>94112</b> millroom operator - rubber products manufacturing
<b>92012</b> milk processing plant foreman/woman	<b>92013</b> millroom supervisor - rubber products manufacturing
<b>85100</b> milk production labourer	<b>94103</b> millstone cutter - stone products
<b>94143</b> milk receiver-tester	<b>94211</b> millwork assembler - wood products manufacturing
<b>95106</b> milk sampler	<b>94211</b> millwork assembler
<b>62100</b> milking machine salesperson	<b>92024</b> millwork assemblers foreman/woman - wood products manufacturing
<b>85100</b> milking machine tender	<b>92024</b> millwork assembly foreman/woman - wood products manufacturing
<b>82030</b> milking services contractor	<b>92024</b> millwork assembly foreman/woman
<b>75201</b> milkman/woman	<b>92024</b> millwork assembly supervisor
<b>94140</b> milk-processing equipment operator - food and beverage processing	<b>72400</b> millwright apprentice
<b>72310</b> mill carpenter	<b>72020</b> millwright foreman/woman
<b>95102</b> mill charger - chemical processing	<b>75119</b> millwright helper
<b>72201</b> mill electrician	<b>72400</b> millwright industrial
<b>95100</b> mill helper - primary metal and mineral products processing	<b>72400</b> millwright
<b>95100</b> mill labourer - mineral products processing	<b>53121</b> mime
<b>72400</b> mill maintenance mechanic	<b>53121</b> mimic
<b>90010</b> mill manager	<b>94140</b> mincemeat maker
<b>75119</b> mill mechanic helper	<b>22101</b> mine analyst
<b>94112</b> mill operator - rubber processing	<b>84100</b> mine attendant
<b>94112</b> mill operator - rubber products manufacturing	<b>82020</b> mine captain
<b>95101</b> mill roll grinder - metal products manufacturing	<b>72310</b> mine carpenter
<b>94110</b> mill roll tester - chemical processing	<b>85110</b> mine check weigher
<b>90010</b> mill superintendent	<b>22233</b> mine construction inspector
<b>94110</b> mill tender - chemical processing	<b>84100</b> mine construction worker
<b>94103</b> mill tender - clay products	<b>21330</b> mine design engineer
<b>94112</b> mill tender - rubber products manufacturing	<b>21330</b> mine development engineer
<b>95104</b> milled rubber cooler	<b>22101</b> mine development technologist
<b>94140</b> miller - food and beverage processing	
<b>64200</b> milliner	

<b>14404</b> mine dispatcher	<b>41210</b> mineral technology teacher - college of applied arts and technology
<b>22212</b> mine draftsman	<b>21102</b> mineralogist
<b>72201</b> mine electrician	<b>22101</b> mineralogy technician
<b>21120</b> mine examiner	<b>22101</b> mineralogy technologist
<b>82020</b> mine foreman/woman	<b>21330</b> mines exploration engineer
<b>21102</b> mine geologist	<b>94140</b> mingler tender
<b>64320</b> mine guide	<b>65211</b> mini-golf attendant
<b>85110</b> mine helper - underground mining	<b>21330</b> mining engineer
<b>85110</b> mine helper	<b>20010</b> mining engineering manager
<b>72400</b> mine hoist industrial mechanic	<b>22101</b> mining engineering technician
<b>72400</b> mine hoist machinery mechanic	<b>22101</b> mining engineering technologist
<b>72400</b> mine hoist repairer	<b>72400</b> mining equipment master mechanic
<b>85110</b> mine labourer	<b>62100</b> mining equipment sales engineer
<b>21330</b> mine layout engineer	<b>62100</b> mining equipment sales representative
<b>72401</b> mine locomotive repairman/woman	<b>21102</b> mining geologist
<b>80010</b> mine manager	<b>41402</b> mining industry development consultant
<b>72400</b> mine mechanic	<b>83100</b> mining machine operator
<b>84100</b> mine motorman/woman	<b>72405</b> mining machinery fitter
<b>21330</b> mine planning engineer	<b>72400</b> mining machinery mechanic
<b>21330</b> mine production engineer	<b>80010</b> mining operations director
<b>22101</b> mine production technician	<b>80010</b> mining operations manager
<b>21330</b> mine safety engineer	<b>41210</b> mining rescue instructor
<b>22232</b> mine safety inspector	<b>20011</b> mining research director
<b>80010</b> mine superintendent	<b>73400</b> mining shovel operator (except underground)
<b>82020</b> mine supervisor	<b>22101</b> mining survey technician
<b>22101</b> mine survey technician	<b>22101</b> mining survey technologist
<b>22101</b> mine survey technologist	<b>22101</b> mining technician
<b>84100</b> mine timberman/woman	<b>22101</b> mining technologist
<b>21330</b> mine ventilation engineer	<b>41302</b> minister - religion
<b>84100</b> miner helper - raise mining	<b>41302</b> minister
<b>85110</b> miner helper - underground mining	<b>12100</b> ministerial assistant
<b>83100</b> miner	<b>94200</b> minivan assembler - motor vehicle manufacturing
<b>21330</b> mineral dressing engineer	<b>82030</b> mink farm supervisor
<b>21330</b> mineral engineer	<b>82030</b> mink ranch supervisor
<b>10029</b> mineral land administration manager	<b>95105</b> mink tail splitter - fur products manufacturing
<b>10029</b> mineral land and contract manager	<b>94100</b> mint precious metal refiner - primary metal processing
<b>12102</b> mineral land contracts analyst	<b>94210</b> mirror and picture frame assembler
<b>94104</b> mineral sampler - mineral products processing	<b>94210</b> mirror and picture frame maker
<b>22101</b> mineral technician	<b>94219</b> mirror assembler
<b>22101</b> mineral technologist	

<b>94219</b> mirror framer	<b>73300</b> mobile concrete mixer driver
<b>94102</b> mirror maker	<b>72500</b> mobile crane apprentice operator
<b>94102</b> mirror silverer	<b>72500</b> mobile crane operator
<b>92024</b> mirror silvering foreman/woman	<b>21231</b> mobile development lead
<b>73111</b> mirror wall installer	<b>52114</b> mobile disc jockey
<b>94102</b> mirror-silvering equipment operator	<b>14404</b> mobile equipment dispatcher
<b>22313</b> missile electronics inspector	<b>75119</b> mobile equipment repairer helper
<b>22313</b> missile electrotechnician - avionics	<b>72401</b> mobile farm equipment mechanic
<b>31102</b> missionary doctor	<b>72401</b> mobile farm machinery repairer
<b>42204</b> missionary	<b>92023</b> mobile home assembly foreman/woman
<b>94124</b> mitre saw tender - woodworking	<b>92023</b> mobile home assembly supervisor
<b>80020</b> mixed farmer	<b>73200</b> mobile home equipment servicer
<b>94110</b> mixer - chemical processing	<b>73200</b> mobile home maintainer
<b>94103</b> mixer - concrete, clay and stone products	<b>73200</b> mobile home repairer
<b>94140</b> mixer - tobacco processing	<b>64100</b> mobile home salesperson - retail
<b>95100</b> mixer helper - primary metal and mineral products processing	<b>73200</b> mobile home servicer
<b>94110</b> mixer operator - chemical processing	<b>72401</b> mobile logging equipment mechanic
<b>94103</b> mixer operator - concrete products	<b>75119</b> mobile mechanic helper
<b>94112</b> mixer operator - rubber processing	<b>72401</b> mobile mining equipment mechanic
<b>94112</b> mixer operator - rubber products manufacturing	<b>72603</b> mobile platform chief engineer - offshore drilling
<b>94110</b> mixer tender - chemical processing	<b>52112</b> mobile radio broadcasting supervisor
<b>94112</b> mixing and grinding machine tender - rubber products manufacturing	<b>72205</b> mobile radio installer - telecommunications
<b>92010</b> mixing and separating operations foreman/woman - primary metal and mineral products processing	<b>72205</b> mobile radio technician - telecommunications
<b>92013</b> mixing foreman/woman - rubber and plastic manufacturing	<b>72205</b> mobile radiotelephone installer
<b>94121</b> mixing operator - pulp and paper	<b>73300</b> mobile support equipment operator - Canadian Armed Forces
<b>92010</b> mixing plant foreman/woman - primary metal and mineral products processing	<b>94201</b> mobile transceiver inspector - electronic equipment manufacturing
<b>92013</b> mixing supervisor - rubber and plastic products manufacturing	<b>83110</b> mobile whole tree chipper - logging
<b>64301</b> mixologist	<b>75101</b> Mobilift operator
<b>21232</b> mobile applications developer	<b>94132</b> moccasin sewer
<b>52112</b> mobile broadcasting equipment installer	<b>72999</b> model and mock-up maker - aeronautics
<b>52112</b> mobile broadcasting equipment operator	<b>72999</b> model and mock-up maker
<b>75201</b> mobile canteen driver	<b>72999</b> model and mould maker - concrete products
<b>72024</b> mobile canteen service supervisor	<b>72101</b> model maker - tool and die
<b>75201</b> mobile caterer	<b>72100</b> model maker machinist
<b>73300</b> mobile cement mixer driver	<b>72999</b> model maker
<b>83110</b> mobile chipper operator - logging	<b>53100</b> model maker-preparator
	<b>55109</b> model
	<b>94103</b> modelling clay mixer and extruder
	<b>43109</b> modelling instructor



<b>60040</b> modelling school manager	<b>75110</b> monument erector
<b>52114</b> moderator - broadcasting	<b>94104</b> monument inspector - mineral products processing
<b>41302</b> moderator - religion	<b>94103</b> monument letterer - stone products
<b>41210</b> modern languages teacher - college level	<b>53122</b> monument sculptor
<b>41220</b> modern languages teacher - secondary school	<b>75110</b> monument setter
<b>41210</b> modern languages tutor - language school	<b>94103</b> monument stonecutter - stone products
<b>53125</b> modifier and lay-out marker	<b>94219</b> mop assembler
<b>53125</b> modifier and marker	<b>94219</b> mop maker
<b>94140</b> module tender - tobacco processing	<b>42100</b> morality officer - police
<b>42204</b> mohel	<b>33109</b> morgue attendant
<b>94143</b> moisture content tester - dairy products	<b>33109</b> morgue technician
<b>94143</b> moisture content tester - tobacco processing	<b>94103</b> mortar mixer
<b>94140</b> molasses mixer - food and beverage processing	<b>43204</b> mortarman/woman
<b>94140</b> molasses wort processor	<b>10021</b> mortgage and consumer credit manager
<b>75110</b> mole operator helper - construction	<b>13111</b> mortgage and real estate legal assistant
<b>73400</b> mole operator	<b>42200</b> mortgage and real estate paralegal
<b>21110</b> molecular biologist	<b>10020</b> mortgage broker manager
<b>21100</b> molecular biophysicist	<b>11109</b> mortgage broker
<b>21110</b> molecular geneticist	<b>14201</b> mortgage clerk
<b>21110</b> molecular physiologist	<b>63102</b> mortgage consultant
<b>95100</b> molten metal mixer helper - primary metal processing	<b>63102</b> mortgage loans consultant
<b>94100</b> molten metal mixer operator	<b>63102</b> mortgage loans officer
<b>94104</b> molten metal sampler - primary metal processing	<b>10021</b> mortgage manager
<b>94100</b> molybdenum flotation operator	<b>63102</b> mortgage officer
<b>94100</b> molybdenum leaching plant operator	<b>11109</b> mortgage underwriter
<b>93100</b> molybdenum roaster operator	<b>62201</b> mortician
<b>65100</b> money counter	<b>94124</b> mortiser operator - woodworking
<b>11101</b> money market analyst	<b>94124</b> mortising machine operator - woodworking
<b>11103</b> money market trader	<b>73101</b> mosaic tilesetter
<b>14404</b> monitoring station operator	<b>65310</b> motel cleaner
<b>42204</b> monk	<b>60031</b> motel manager
<b>94151</b> monochrome plate film stripper	<b>62022</b> motel managing supervisor
<b>72500</b> monorail crane operator	<b>42204</b> mother superior/religious superior
<b>14112</b> Monotype casting machine operator	<b>52120</b> motion graphic designer
<b>14112</b> Monotype hot metal typesetter keyboard operator	<b>52110</b> motion picture camera operator
<b>14112</b> Monotype keyboard operator	<b>51120</b> motion picture director
<b>94103</b> monument carver - stone products	<b>72100</b> motion picture equipment machinist
<b>94103</b> monument engraver - stone products	<b>53111</b> motion picture examiner
	<b>52119</b> motion picture facilities supervisor
	<b>94153</b> motion picture film developer

<b>94153</b> motion picture film examiner - photographic processing	<b>92020</b> motor vehicle assembly foreman/woman
<b>94153</b> motion picture film printer	<b>92020</b> motor vehicle assembly general supervisor
<b>51121</b> motion picture musical director	<b>90010</b> motor vehicle assembly plant manager
<b>51120</b> motion picture producer	<b>92020</b> motor vehicle assembly supervisor
<b>51120</b> motion picture production director	<b>92020</b> motor vehicle assembly zone supervisor
<b>53111</b> motion picture projectionist	<b>65329</b> motor vehicle attendant
<b>94200</b> motor and chassis inspector - motor vehicle manufacturing	<b>72411</b> motor vehicle body finisher
<b>94203</b> motor and control tester	<b>72411</b> motor vehicle body repairer - collision
<b>94202</b> motor and generator assembler - electrical equipment manufacturing	<b>72411</b> motor vehicle body repairer - metal and paint
<b>94203</b> motor and generator assembler - industrial electrical equipment	<b>72411</b> motor vehicle body repairer - refinishing
<b>94203</b> motor and generator assembler and wirer	<b>72411</b> motor vehicle body repairer apprentice
<b>94203</b> motor and generator inspector	<b>75119</b> motor vehicle body repairer helper
<b>94213</b> motor and generator subassemblies painter	<b>72411</b> motor vehicle body repairer
<b>94203</b> motor and transformer tester	<b>72020</b> motor vehicle body repairers foreman/woman
<b>72423</b> motor boat mechanic	<b>72411</b> motor vehicle body repair-painter
<b>75210</b> motor boat operator	<b>72411</b> motor vehicle body technician - truck
<b>73301</b> motor coach driver	<b>72411</b> motor vehicle body technician
<b>72422</b> motor coil winder-repairer	<b>14301</b> motor vehicle bureau clerk
<b>94203</b> motor control assembler - industrial electrical equipment	<b>12201</b> motor vehicle claims adjuster - insurance
<b>92023</b> motor home assembly foreman/woman	<b>94204</b> motor vehicle clutch assembly inspector
<b>94200</b> motor installer - motor vehicle manufacturing	<b>94106</b> motor vehicle cylinder grinder
<b>75210</b> motor launch operator	<b>22231</b> motor vehicle defects investigator
<b>72410</b> motor mechanic - motor vehicle manufacturing	<b>72410</b> motor vehicle diesel engine mechanic
<b>72411</b> motor repair vehicle painter apprentice	<b>14404</b> motor vehicle dispatcher
<b>72410</b> motor repairer - motor vehicle manufacturing	<b>72020</b> motor vehicle engine repair foreman/woman
<b>72423</b> motor scooter repairer	<b>72410</b> motor vehicle fuel conversion technician
<b>75211</b> motor transport labourer	<b>72410</b> motor vehicle fuel-systems and electric-systems mechanic
<b>70020</b> motor transport manager	<b>92020</b> motor vehicle inspection and testing foreman/woman - motor vehicle manufacturing
<b>72024</b> motor transport route foreman/woman	<b>22231</b> motor vehicle inspector
<b>22231</b> motor transportation inspector	<b>72101</b> motor vehicle jig builder
<b>22231</b> motor transportation regulations officer	<b>65329</b> motor vehicle jockey
<b>64101</b> motor vehicle and equipment sales representative - wholesale (non-technical)	<b>64100</b> motor vehicle leasing representative - retail
<b>72411</b> motor vehicle apprentice painter	<b>94202</b> motor vehicle lighting fixture assembler
<b>94200</b> motor vehicle assembler - motor vehicle manufacturing	<b>92020</b> motor vehicle manufacturing foreman/woman
<b>94200</b> motor vehicle assembler	<b>75119</b> motor vehicle mechanic helper
<b>92020</b> motor vehicle assembly coordinator	<b>72410</b> motor vehicle mechanic
	<b>94200</b> motor vehicle mechanical equipment inspector - motor vehicle manufacturing
	<b>72410</b> motor vehicle mechanical repairer

<b>72020</b> motor vehicle mechanics and repairers foreman/woman	<b>84100</b> motorman/woman - underground mining
<b>72020</b> motor vehicle mechanics foreman/woman	<b>82020</b> motormen/women and dinkeymen/women foreman/woman (except rail transport)
<b>72020</b> motor vehicle mechanics supervisor	<b>72100</b> mould and core machinist
<b>72999</b> motor vehicle model maker	<b>94101</b> mould caster - foundry
<b>74200</b> motor vehicle operator - pole yard	<b>95101</b> mould cleaner - foundry
<b>94213</b> motor vehicle painter - motor vehicle manufacturing	<b>95104</b> mould cleaner - rubber and plastic products manufacturing
<b>72411</b> motor vehicle painter - motor vehicle repair	<b>95104</b> mould cleaner - rubber products manufacturing
<b>14401</b> motor vehicle parts clerk apprentice	<b>21301</b> mould design engineer
<b>14401</b> motor vehicle parts clerk	<b>22301</b> mould designer
<b>14401</b> motor vehicle partsperson	<b>95101</b> mould dresser - foundry
<b>13201</b> motor vehicle repair shop coordinator	<b>94103</b> mould filler - clay products
<b>72020</b> motor vehicle repair shop foreman/woman	<b>95104</b> mould filler - rubber and plastic products manufacturing
<b>60020</b> motor vehicle repair shop manager	<b>94212</b> mould filler-stripper - plastic manufacturing
<b>72020</b> motor vehicle repair shop supervisor	<b>94212</b> mould laminator - plastic manufacturing
<b>94213</b> motor vehicle rustproofers	<b>94112</b> mould machine operator - rubber products manufacturing
<b>64100</b> motor vehicle salesperson - retail	<b>72101</b> mould maker - plastics processing
<b>72410</b> motor vehicle technician	<b>72101</b> mould maker apprentice
<b>72410</b> motor vehicle transmission mechanic	<b>95104</b> mould preparer - rubber and plastic products manufacturing
<b>94203</b> motor winder - industrial electrical equipment	<b>94101</b> mould setter - foundry
<b>94219</b> motorboat assembler	<b>95104</b> mould setter - rubber and plastic products manufacturing
<b>94219</b> motorboat assembly inspector	<b>72010</b> mould shop foreman/woman - machining
<b>75210</b> motorboat captain	<b>95100</b> mould stripper - concrete products manufacturing
<b>75210</b> motorboat operator	<b>94212</b> mould stripper - plastic manufacturing
<b>94203</b> motor-coil and generator-coil builder	<b>94212</b> mould waxer - plastic manufacturing
<b>94203</b> motor-coil and generator-coil installer - industrial electrical equipment	<b>95104</b> mould waxer - rubber and plastic products manufacturing
<b>43109</b> motorcycle driving instructor	<b>92013</b> moulded footwear inspection supervisor - rubber and plastic products manufacturing
<b>72423</b> motorcycle mechanic apprentice	<b>94212</b> moulded plastic finisher
<b>72423</b> motorcycle mechanic	<b>94212</b> moulded plastic inspector
<b>72020</b> motorcycle mechanics foreman/woman	<b>94212</b> moulded plastic inspector-tester
<b>42100</b> motorcycle patrolman/woman - police	<b>94212</b> moulded plastic products trimmer
<b>72423</b> motorcycle repairer	<b>94212</b> moulded products finisher - plastic products manufacturing
<b>72423</b> motorcycle repairman/woman	<b>94212</b> moulded products stripper - plastic products manufacturing
<b>64100</b> motorcycle salesperson - retail	<b>95104</b> moulded products stripper - rubber and plastic products manufacturing
<b>84101</b> motorhand - offshore drilling	
<b>84101</b> motorhand - oil and gas drilling	
<b>74102</b> motorized mail courier	
<b>84100</b> motorman/woman - mines	
<b>75119</b> motorman/woman - offshore drilling rig	
<b>84101</b> motorman/woman - oil and gas drilling	

<b>92014</b> moulded pulp products foreman/woman	<b>31204</b> movement analyst - medical
<b>94112</b> moulded rubber boot maker	<b>41301</b> movement therapist
<b>92013</b> moulded rubber footwear foreman/woman	<b>75211</b> mover helper
<b>94112</b> moulded rubber products inspector-trimmer	<b>53121</b> movie actor
<b>95104</b> moulded rubber products trimmer	<b>51113</b> movie critic
<b>94110</b> moulder - chemical processing	<b>51120</b> movie director
<b>94112</b> moulder - rubber products manufacturing	<b>51120</b> movie producer
<b>94124</b> moulder - wood products manufacturing	<b>62029</b> movie theatre attendants supervisor
<b>94124</b> moulder - woodworking	<b>65100</b> movie theatre cashier
<b>95100</b> moulder helper - primary metal processing	<b>60040</b> movie theatre manager
<b>94111</b> moulder operator - plastic manufacturing	<b>53111</b> movie theatre projectionist
<b>94124</b> moulder operator - woodworking	<b>65329</b> movie usher
<b>94101</b> moulding and coremaking machine setter - foundry	<b>70020</b> moving company manager
<b>94124</b> moulding cutter - wood products manufacturing	<b>73300</b> moving truck driver
<b>92010</b> moulding foreman/woman - foundry	<b>73300</b> moving van driver
<b>92013</b> moulding foreman/woman - rubber and plastic manufacturing	<b>72024</b> moving van drivers supervisor
<b>95104</b> moulding machine offbearer - rubber products manufacturing	<b>75211</b> moving van helper
<b>94140</b> moulding machine operator - food and beverage processing	<b>72406</b> moving walkway installer-repairer
<b>94124</b> moulding machine operator - woodworking	<b>83100</b> mucker - underground mining
<b>73102</b> moulding plasterer	<b>73400</b> mucker operator - construction
<b>94112</b> moulding press tender - rubber products manufacturing	<b>73400</b> mucking machine operator - construction
<b>94112</b> moulding pressman/woman - rubber products manufacturing	<b>83100</b> mucking machine operator - underground mining
<b>94101</b> moulding sand mixer - foundry	<b>83100</b> mucking machine operator
<b>92013</b> moulding supervisor - rubber and plastic products manufacturing	<b>21332</b> mud engineer - petroleum drilling
<b>72101</b> mouldmaker - aircraft	<b>21332</b> mud engineer
<b>94103</b> mouldmaker - clay products	<b>75110</b> mud jack operator
<b>72100</b> mouldmaking machinist	<b>22101</b> mud man/woman - petroleum drilling
<b>94112</b> mouldman/woman - rubber products manufacturing	<b>63202</b> muffin baker
<b>94201</b> mount operator - electronic equipment manufacturing	<b>63202</b> muffin maker
<b>64322</b> mountain climbing guide	<b>74203</b> muffler installer
<b>64322</b> mountain guide	<b>60020</b> muffler shop manager
<b>64322</b> mountaineering guide	<b>72400</b> mule fixer - textile manufacturing
<b>42100</b> mounted police constable	<b>72400</b> mule setter - textile manufacturing
<b>42100</b> mounted policeman/woman	<b>41403</b> multiculturalism project officer
<b>94201</b> mounter - electronic equipment manufacturing	<b>94219</b> multifocal lens assembler
	<b>94106</b> multi-function metal-cutting tool operator
	<b>51102</b> multimedia archivist
	<b>51120</b> multimedia audio producer
	<b>51111</b> multimedia author
	<b>21233</b> multimedia consultant

<b>50011</b> multimedia department manager	<b>50012</b> municipal director of recreation
<b>52120</b> multimedia design specialist	<b>22212</b> municipal draftsman
<b>52120</b> multimedia designer	<b>75212</b> municipal elemental worker
<b>21232</b> multimedia developer	<b>21300</b> municipal engineer
<b>41400</b> multimedia ergonomist	<b>22300</b> municipal engineering assistant
<b>52111</b> multimedia graphic design technician	<b>75212</b> municipal general labourer
<b>52111</b> multimedia graphics technician	<b>75212</b> municipal labourer
<b>52120</b> multimedia illustrator	<b>43202</b> municipal law enforcement officer
<b>51113</b> multimedia information trader	<b>43202</b> municipal law enforcement officers supervisor
<b>52120</b> multimedia instructional designer and scriptor	<b>50012</b> municipal leisure director
<b>51100</b> multimedia librarian	<b>50012</b> municipal leisure manager
<b>53110</b> multimedia photographer	<b>74205</b> municipal maintenance equipment operator
<b>53110</b> multimedia picture illustrator	<b>50012</b> municipal manager of leisure
<b>52120</b> multimedia products designer	<b>50012</b> municipal manager of recreation
<b>52120</b> multimedia products designer-ideaman/woman	<b>14100</b> municipal office clerk
<b>21232</b> multimedia programmer	<b>21202</b> municipal park planner
<b>51111</b> multimedia script writer	<b>21202</b> municipal planner
<b>52113</b> multimedia sound technician	<b>50012</b> municipal recreation director
<b>52113</b> multimedia sound-effects supervisor	<b>50012</b> municipal recreation manager
<b>51111</b> multimedia writer	<b>41400</b> municipal recycling program coordinator
<b>94132</b> multineedle sewing machine operator	<b>74205</b> municipal servicer drain roto
<b>94105</b> multi-operation forming machine tender	<b>41101</b> municipal solicitor
<b>94129</b> multiple drum sander operator	<b>12104</b> municipal tax collector
<b>94111</b> multiple extruder operator - plastic manufacturing	<b>40011</b> municipal taxation manager
<b>94105</b> multiple punch press operator - metal fabrication	<b>94219</b> munitions assembler
<b>94106</b> multiple-spindle drill press operator - metal machining	<b>75101</b> munitions handler
<b>94106</b> multiple-spindle screw machine operator	<b>94219</b> munitions inspector
<b>94106</b> multiple-spindle vertical boring mill set-up operator	<b>94219</b> munitions loading inspector
<b>94106</b> multiple-spindle vertical turret lathe set-up operator	<b>94219</b> munitions manufacturing inspector
<b>94111</b> multi-roll calender operator - plastic manufacturing	<b>94219</b> munitions salvage inspector
<b>94112</b> multiroll calender operator - rubber products manufacturing	<b>94219</b> munitions worker
<b>82021</b> multi-service operator - oil field services	<b>53122</b> mural landscape artist
<b>00011</b> municipal administrator	<b>53122</b> mural painter
<b>12203</b> municipal assessor	<b>51101</b> museologist
<b>00010</b> municipal council chairman/woman	<b>53100</b> museology technician
<b>50012</b> municipal director of leisure	<b>50010</b> museum administrator
	<b>50010</b> museum assistant administrator
	<b>50010</b> museum assistant director
	<b>53100</b> museum cataloguer
	<b>50010</b> museum coordinator
	<b>51101</b> museum curator

<b>53123</b> museum designer	<b>60040</b> music school manager
<b>50010</b> museum director of conservation	<b>41210</b> music teacher - conservatory of music
<b>50010</b> museum director	<b>41221</b> music teacher - elementary school
<b>11202</b> museum education officer	<b>51122</b> music teacher - musicians
<b>11202</b> museum educator	<b>51122</b> music teacher - private, conservatory or studio lessons
<b>50010</b> museum executive director	<b>41220</b> music teacher - secondary school
<b>53123</b> museum exhibit designer	<b>41301</b> music therapist
<b>53100</b> museum exhibit officer	<b>41301</b> music therapists' supervisor
<b>53100</b> museum extension officer	<b>41301</b> music therapy researcher
<b>50010</b> museum general director	<b>51121</b> music writer
<b>53100</b> museum interpreter	<b>51121</b> musical director
<b>50010</b> museum manager	<b>94219</b> musical instrument assembler
<b>53100</b> museum objects cataloguer	<b>53124</b> musical instrument maker - artisan
<b>51101</b> museum objects conservator	<b>92024</b> musical instrument manufacturing foreman/woman
<b>53100</b> museum objects preparator	<b>73209</b> musical instrument repairer
<b>53100</b> museum preparator	<b>73209</b> musical instrument tester
<b>53100</b> museum registrar	<b>94105</b> musical instrument tube bender
<b>53100</b> museum technician - earth's history and paleontology	<b>73209</b> musical instrument tuner
<b>53100</b> museum technician	<b>64100</b> musical instruments and supplies salesperson - retail
<b>85101</b> mushroom farm worker	<b>51122</b> musical interpreter
<b>80020</b> mushroom grower	<b>51122</b> musician
<b>85101</b> mushroom picker	<b>11202</b> musicians agent
<b>80020</b> mushroom producer	<b>73300</b> muskeg tractor operator
<b>60040</b> music academy manager	<b>85104</b> muskrat trapper
<b>51121</b> music adapter	<b>85102</b> mussel farm labourer
<b>51121</b> music arranger	<b>80022</b> mussel farmer
<b>41405</b> music coordinator - education	<b>80022</b> mussel grower
<b>51121</b> music copyist	<b>85102</b> mussel harvester
<b>51113</b> music critic	<b>11101</b> mutual fund analyst
<b>51121</b> music director	<b>11103</b> mutual fund broker
<b>52113</b> music editor - recording studio	<b>11103</b> mutual fund sales agent
<b>00013</b> music guild president	<b>11103</b> mutual fund sales representative
<b>51100</b> music librarian - broadcasting	<b>10020</b> mutual funds manager - financial brokerage
<b>51100</b> music librarian	<b>22110</b> mycological technician
<b>14300</b> music library assistant	<b>22110</b> mycological technologist
<b>52113</b> music mixer	<b>21110</b> mycologist
<b>52113</b> music or sound mixer	<b>32201</b> myotherapist
<b>41200</b> music professor - university	<b>65329</b> mystery shopper
<b>52119</b> music program planner	
<b>51113</b> music reviewer	

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<b>63211</b>	nail care technician	<b>42201</b>	Native outreach worker
<b>95109</b>	nail cutter - shoe manufacturing	<b>13100</b>	Native reserve administrator
<b>94107</b>	nail maker	<b>41220</b>	Native school community teacher - secondary school
<b>94107</b>	nail making machine set-up operator	<b>40021</b>	Native school principal
<b>94107</b>	nail making machine tender	<b>41400</b>	natural and applied sciences consultant
<b>94219</b>	nailer - footwear manufacturing	<b>41400</b>	natural and applied sciences policy advisor
<b>94124</b>	nailing machine operator - woodworking	<b>41400</b>	natural and applied sciences policy analyst
<b>63211</b>	nails and lashes applicator	<b>41400</b>	natural and applied sciences program officer
<b>94106</b>	name plate stamper	<b>41400</b>	natural and applied sciences researcher
<b>53124</b>	nameplate engraver	<b>93101</b>	natural gas compressor operator
<b>44100</b>	nanny	<b>21332</b>	natural gas engineer
<b>22110</b>	nanobiotechnology technician	<b>92011</b>	natural gas plant foreman/woman
<b>21101</b>	nanochemist	<b>62100</b>	natural gas sales representative
<b>21100</b>	nanotechnology physicist	<b>53100</b>	natural habitat interpreter
<b>93101</b>	naphthalene clarifier	<b>51101</b>	natural history museum curator
<b>94130</b>	napper - textile manufacturing	<b>51101</b>	natural history specimen conservator
<b>72400</b>	napper adjuster - textile manufacturing	<b>41401</b>	natural resources economist
<b>72400</b>	napper grinder - textile manufacturing	<b>22113</b>	natural resources officer
<b>94130</b>	napper operator - textile manufacturing	<b>41400</b>	natural resources planner
<b>94130</b>	napper tender - textile manufacturing	<b>41400</b>	natural resources policy analyst
<b>94130</b>	naps teaseller - textile manufacturing	<b>40011</b>	natural resources policy director - government services
<b>41310</b>	narcotics detective	<b>22110</b>	natural resources technician - biology
<b>41310</b>	narcotics squad investigator	<b>22112</b>	natural resources technician - forestry
<b>53121</b>	narrator	<b>51101</b>	natural sciences curator
<b>94133</b>	narrow fabric examiner	<b>51101</b>	natural sciences museum curator
<b>60010</b>	national accounts manager - sales	<b>41200</b>	natural sciences professor - university
<b>60010</b>	national sales manager	<b>20011</b>	natural sciences program manager
<b>53201</b>	national team coach	<b>21110</b>	naturalist
<b>41403</b>	Native affairs officer	<b>53100</b>	nature interpreter
<b>53124</b>	Native art carver	<b>53100</b>	nature site interpreter
<b>13100</b>	Native band administrator	<b>41221</b>	nature study teacher - elementary school
<b>42201</b>	Native centre coordinator	<b>31209</b>	naturopath - physician
<b>40030</b>	Native centre manager	<b>31209</b>	naturopathic doctor (ND)
<b>42201</b>	Native community worker	<b>31209</b>	naturopathic physician
<b>53124</b>	Native craftwork instructor	<b>32209</b>	naturopathy practitioner
<b>41403</b>	Native employment program officer	<b>32209</b>	naturotherapist
<b>41403</b>	Native issues lobbyist	<b>41406</b>	nautical activities coordinator
<b>41407</b>	Native land claims liaison officer	<b>94201</b>	nautical instrument maker - electronic equipment manufacturing
<b>42201</b>	Native outreach officer - social services	<b>41406</b>	nautical programs coordinator

<b>43204</b> naval acoustics operator	<b>31301</b> nephrology and renal transplantation nurse
<b>21399</b> naval architect	<b>31301</b> nephrology nurse
<b>40042</b> naval cadet	<b>31100</b> nerve specialist
<b>43204</b> naval combat information operator	<b>94212</b> net applicator - plastic products manufacturing
<b>42102</b> naval electronics technician	<b>73209</b> net mender
<b>21399</b> naval engineer	<b>73209</b> net repairer
<b>94201</b> navigation aid inspector - electronic equipment manufacturing	<b>94131</b> net weaver - textiles
<b>21300</b> navigation and positioning engineer	<b>94131</b> net-knitting machine operator - textiles
<b>72602</b> navigation officer - water transport	<b>94131</b> netting-making machine operator - textiles
<b>72600</b> navigator - air transport	<b>22220</b> network administrator
<b>95106</b> neck skewerer - food and beverage processing	<b>22220</b> network analyst
<b>94219</b> necklace assembler	<b>21311</b> network architect - computer systems
<b>72400</b> needle bed repairer - textile manufacturing	<b>21311</b> network capacity planner
<b>72400</b> needle board repairer - textile manufacturing	<b>10030</b> network conduct centre assistant manager
<b>94131</b> needle loom operator	<b>22220</b> network controller
<b>94131</b> needle loom weaver	<b>20012</b> network design manager
<b>94153</b> negative cutter - film processing	<b>21311</b> network designer - computer systems
<b>94151</b> negative merger	<b>21311</b> network engineer - communication hardware
<b>94153</b> negative restorer - photographic processing	<b>21311</b> network infrastructure engineer
<b>94153</b> negative retoucher	<b>10030</b> network installation manager - telecommunications
<b>94153</b> negative spotter - film processing	<b>10030</b> network operations manager - telecommunications
<b>94151</b> negative spotter - printing	<b>22220</b> network operator
<b>94153</b> negative-contact-frame operator	<b>51113</b> network reporter
<b>21202</b> neighbourhood planner	<b>22220</b> network security administrator
<b>42201</b> neighbourhood worker - social services	<b>21220</b> network security analyst
<b>21110</b> nematologist	<b>21220</b> network security engineer
<b>94202</b> neon sign builder - electrical equipment manufacturing	<b>10030</b> network services manager - telecommunications
<b>73200</b> neon sign erector	<b>21311</b> network specialist - computer systems
<b>73200</b> neon sign installer	<b>22220</b> network support analyst
<b>94202</b> neon sign maker	<b>21311</b> network support engineer
<b>94102</b> neon sign pumper	<b>22220</b> network support technician
<b>73209</b> neon sign repairer	<b>22220</b> network system administrator
<b>94102</b> neon sign tube bender	<b>21311</b> network systems engineer
<b>94102</b> neon tube bender	<b>21311</b> network test engineer
<b>94102</b> neon tube pumper	<b>10030</b> network traffic manager - telecommunications
<b>31100</b> neonatologist	<b>10030</b> networks manager - telecommunications
<b>94111</b> neoprene sprayer operator - plastic manufacturing	<b>32123</b> neuroelectrophysiology technologist
<b>31100</b> nephrologist	<b>42201</b> neuro-linguistic programming coach
<b>31301</b> nephrology and kidney transplantation nurse	<b>31101</b> neurological surgeon



<b>31100</b> neurologist	<b>51113</b> newspaper critic
<b>31100</b> neuropathologist	<b>75201</b> newspaper deliverer
<b>33102</b> neuropsychiatric aide	<b>75201</b> newspaper delivery driver
<b>31100</b> neuropsychiatrist	<b>62010</b> newspaper delivery persons supervisor
<b>31200</b> neuropsychologist	<b>14404</b> newspaper dispatcher
<b>31301</b> neuroscience nurse	<b>75201</b> newspaper distributor
<b>31101</b> neurosurgeon	<b>51110</b> newspaper editor
<b>94130</b> neutralizer - textile manufacturing	<b>51113</b> newspaper editorial writer
<b>94110</b> neutralizer	<b>52120</b> newspaper illustrator
<b>72410</b> new car mechanic	<b>50011</b> newspaper manager
<b>63101</b> new home salesperson	<b>50011</b> newspaper managing editor
<b>52120</b> new media graphics designer	<b>14112</b> newspaper page assembler
<b>51111</b> new media writer	<b>73401</b> newspaper press operator
<b>94200</b> new passenger car inspector	<b>73401</b> newspaper pressman/woman
<b>94200</b> new passenger car preparer - motor vehicle manufacturing	<b>51113</b> newspaper reporter
<b>32102</b> newborn emergency medical care technician	<b>62010</b> newspaper sales supervisor
<b>32102</b> newborn medical care technician	<b>62010</b> newspaper salesperson supervisor
<b>51113</b> news analyst - broadcasting	<b>65109</b> newspaper vendor - street sales
<b>51113</b> news analyst	<b>65109</b> newspaper vendor
<b>51113</b> news anchor	<b>51113</b> newspaper writer
<b>52110</b> news camera operator	<b>64100</b> newsstand clerk
<b>51113</b> news commentator - broadcasting	<b>95101</b> nib finisher - metal products manufacturing
<b>51113</b> news commentator	<b>94219</b> nibbling machine operator - jewellery manufacturing
<b>51113</b> news correspondent	<b>94105</b> nibbling machine operator - metal fabrication
<b>50011</b> news department manager	<b>94213</b> nickel plater
<b>51110</b> news desk editor	<b>64314</b> night auditor - hotel
<b>51110</b> news editor - broadcasting	<b>64314</b> night clerk - hotel
<b>51110</b> news editor	<b>62022</b> night clerk supervisor - hotel
<b>75201</b> news item delivery person	<b>64314</b> night clerk
<b>53110</b> news photographer	<b>62010</b> night crew leader - retail store
<b>52114</b> news reader	<b>64410</b> night guard
<b>51113</b> news reporter	<b>62022</b> night supervisor - hotel
<b>51110</b> news service editor	<b>64410</b> night watchman/woman
<b>51113</b> news writer - international broadcasting	<b>84100</b> nipper - underground mining
<b>51113</b> newscast correspondent	<b>93101</b> nitric acid oxidation plant operator
<b>52114</b> newscaster	<b>94110</b> nitrocellulose dryer tender
<b>75201</b> newspaper carrier and vendor	<b>94110</b> nitrocellulose finisher
<b>75201</b> newspaper carrier	<b>93101</b> nitrocellulose maker
<b>14301</b> newspaper circulation clerk	<b>94110</b> nitrocellulose screener and weigher
<b>51113</b> newspaper correspondent	<b>84101</b> nitrogen operator - oil field services

<b>84101</b> nitrogen operator	<b>64101</b> novelty products salesperson - wholesale
<b>84101</b> nitrogen truck operator - oil field services	<b>64101</b> novelty sales representative - wholesale
<b>93101</b> nitroglycerine maker	<b>42204</b> novice - religion
<b>94110</b> nitroglycerine neutralizer	<b>75110</b> nozzle worker - pile driving
<b>93101</b> nitroglycerine nitrator operator	<b>21101</b> nuclear chemist
<b>93101</b> nitroglycerine separator operator	<b>21301</b> nuclear design engineer
<b>93101</b> nitroglycerine separator	<b>21301</b> nuclear engineer
<b>21300</b> noise abatement engineer	<b>22301</b> nuclear engineering technician
<b>22300</b> noise abatement technician	<b>22301</b> nuclear engineering technologist
<b>22300</b> noise reduction technician	<b>93100</b> nuclear fuel processor
<b>22230</b> non-destructive examination technician	<b>22312</b> nuclear generating station and heavy water plant control technician
<b>22230</b> non-destructive examiner	<b>92100</b> nuclear generating station field operator
<b>22230</b> non-destructive inspection technician	<b>72400</b> nuclear generating station mechanical maintainer
<b>22230</b> non-destructive inspection tester	<b>92100</b> nuclear generating station operator
<b>22230</b> non-destructive inspector	<b>22100</b> nuclear magnetic resonance (NMR) chemical technician
<b>22230</b> non-destructive test technician	<b>21101</b> nuclear magnetic resonance (NMR) spectroscopist
<b>22230</b> non-destructive tester	<b>32121</b> nuclear magnetic resonance imaging (NMRI) technologist
<b>22230</b> non-destructive testing maintenance (NDT) technician	<b>32121</b> nuclear medicine chief technologist
<b>22230</b> non-destructive testing trainee	<b>32121</b> nuclear medicine clinical coordinator
<b>00013</b> non-governmental organization (NGO) executive director	<b>32121</b> nuclear medicine clinical instructor
<b>40030</b> non-governmental organization (NGO) manager	<b>31100</b> nuclear medicine physician
<b>32123</b> non-registered electrocardiography technician	<b>31100</b> nuclear medicine specialist
<b>13100</b> non-technical project manager	<b>32121</b> nuclear medicine supervisor
<b>64101</b> non-technical sales specialist - wholesale	<b>32121</b> nuclear medicine technical coordinator
<b>95106</b> noodle paste mixer tender	<b>32121</b> nuclear medicine technical director
<b>45100</b> noon hour assistant	<b>32121</b> nuclear medicine technician
<b>45100</b> noon hour supervisor	<b>32121</b> nuclear medicine technologist
<b>41402</b> northern development analyst	<b>32121</b> nuclear medicine technologists supervisor
<b>41402</b> northern development officer	<b>21301</b> nuclear operations engineer
<b>31101</b> nose specialist	<b>31100</b> nuclear physician
<b>41101</b> notary (Quebec)	<b>21100</b> nuclear physicist
<b>42200</b> notary public (British Columbia)	<b>72400</b> nuclear power station equipment mechanic
<b>42200</b> notary public (outside Quebec)	<b>72400</b> nuclear power station machinery mechanic
<b>42200</b> notary public clerk	<b>92100</b> nuclear reactor control room operator - electrical power systems
<b>42200</b> notary public	<b>92100</b> nuclear reactor operator
<b>94124</b> notcher operator - woodworking	<b>21100</b> nuclear reactor physicist
<b>94124</b> notching saw operator - woodworking	<b>92100</b> nuclear station control room operator
<b>51111</b> novelist	
<b>53123</b> novelties stylist	

<b>22301</b> nuclear technologist	<b>42202</b> nursery school helper
<b>90011</b> nuclear waste manager	<b>42202</b> nursery school teacher
<b>22312</b> nucleonic controller repairer	<b>82031</b> nursery supervisor
<b>94201</b> nucleonics instrument assembler	<b>22112</b> nursery technician - forestry
<b>55109</b> nude dancer	<b>82031</b> nursery worker crew chief
<b>73202</b> nuisance control trapper	<b>82031</b> nursery worker foreman/woman
<b>94152</b> numbering machine operator - printing	<b>82031</b> nursery workers supervisor
<b>94106</b> numerical control (NC) drilling machine operator - metal machining	<b>80021</b> nurseryman/woman
<b>94106</b> numerical control (NC) machining tool operator	<b>00013</b> nurse's association executive director
<b>22302</b> numerical control (NC) programmer	<b>31301</b> nursing adviser
<b>94107</b> numerical control (NC) riveting machine operator - metal products manufacturing	<b>33102</b> nursing assistant (non-registered)
<b>94106</b> numerical control/computer numerical control (NC/CNC) machining tool operator	<b>32101</b> nursing assistant (registered - Québec)
<b>94106</b> numerically controlled (NC) machine operator - metal machining	<b>33102</b> nursing attendant
<b>94106</b> numerically controlled (NC) machine tool operator	<b>31300</b> nursing care coordinator
<b>72100</b> numerically controlled (NC) machinist	<b>30010</b> nursing care manager - medical services
<b>94106</b> numerically controlled (NC) tracer operator - metal machining	<b>31301</b> nursing consultant
<b>22302</b> numerically controlled machine tool programmer (except operators)	<b>31300</b> nursing coordinator
<b>22302</b> numerically controlled tool programmer	<b>31301</b> nursing counsellor
<b>65229</b> numerologist	<b>41210</b> nursing educator (except college)
<b>60020</b> numismatist	<b>31301</b> nursing evaluator
<b>42204</b> nun	<b>33102</b> nursing home attendant
<b>31300</b> nurse - team leader	<b>65310</b> nursing home cleaner
<b>33102</b> nurse aide	<b>41404</b> nursing home guidelines development officer
<b>31301</b> nurse consultant	<b>21120</b> nursing home inspector
<b>31301</b> nurse counsellor	<b>60031</b> nursing home manager
<b>32101</b> nurse educator - cannabis	<b>41404</b> nursing home policy development officer
<b>31302</b> nurse practitioner	<b>41210</b> nursing instructor - college
<b>31301</b> nurse researcher	<b>31300</b> nursing officer - Canadian Armed Forces
<b>31301</b> nurse technician	<b>33102</b> nursing orderly
<b>31301</b> nurse	<b>41200</b> nursing professor - university
<b>33102</b> nursery aide - hospital	<b>10029</b> nursing registry manager
<b>82031</b> nursery foreman/woman	<b>12010</b> nursing registry supervisor
<b>85103</b> nursery labourer	<b>31301</b> nursing researcher
<b>80021</b> nursery manager	<b>30010</b> nursing services administrator
<b>80021</b> nursery operator	<b>33102</b> nursing services aide
<b>42202</b> nursery school aide	<b>30010</b> nursing services assistant administrator
	<b>31300</b> nursing services coordinator
	<b>30010</b> nursing services director - medical services
	<b>30010</b> nursing services manager - medical services
	<b>31300</b> nursing supervisor
	<b>31301</b> nursing technician

<b>30010</b> nursing unit administrator	<b>22232</b> occupational health and safety inspector
<b>31300</b> nursing unit coordinator	<b>10011</b> occupational health and safety manager
<b>31300</b> nursing unit supervisor	<b>22232</b> occupational health and safety officer
<b>00013</b> nursing vice-president - health, education, social and community services and membership organizations	<b>22232</b> occupational health and safety supervisor
<b>31300</b> nursing ward supervisor	<b>22232</b> occupational health inspector
<b>95101</b> nut and bolt assembler - metal products manufacturing	<b>31301</b> occupational health nurse consultant
<b>94107</b> nut and bolt machine tender	<b>31301</b> occupational health nurse
<b>95101</b> nut and bolt packer - metal products manufacturing	<b>22232</b> occupational health officer
<b>94107</b> nut disk cutter	<b>31100</b> occupational health physician (OHP)
<b>94140</b> nut mixer operator	<b>30010</b> occupational health services director
<b>95106</b> nut sorter - food and beverage processing	<b>22232</b> occupational health supervisor
<b>95106</b> nut-chopping machine feeder	<b>22232</b> occupational hygiene inspector
<b>31121</b> nutrition and dietetics researcher	<b>41400</b> occupational hygiene officer
<b>31121</b> nutrition consultant	<b>22232</b> occupational hygiene technician
<b>31121</b> nutrition researcher	<b>22232</b> occupational hygienist technologist
<b>31121</b> nutrition specialist	<b>41400</b> occupational hygienist
<b>21101</b> nutritional chemist	<b>31301</b> occupational medicine nurse
<b>31121</b> nutritionist	<b>31100</b> occupational medicine specialist
<b>94140</b> nut-roasting equipment operator	<b>31100</b> occupational physician
	<b>22232</b> occupational safety consultant
	<b>22232</b> occupational safety coordinator
	<b>22232</b> occupational safety inspector
	<b>22232</b> occupational safety officer
	<b>22232</b> occupational safety specialist
	<b>41403</b> occupational supply analyst
	<b>31203</b> occupational therapist (OT)
	<b>31203</b> occupational therapist vocational evaluator
	<b>33109</b> occupational therapy aide
	<b>32109</b> occupational therapy assistant
	<b>33109</b> occupational therapy helper
	<b>31203</b> occupational therapy rehabilitation consultant
	<b>32109</b> occupational therapy technician
	<b>40010</b> occupational training director - government services
	<b>10011</b> occupational training director - human resources
	<b>64101</b> ocean and lake container transportation sales representative
	<b>21300</b> ocean engineer
	<b>13201</b> ocean freight coordinator
	<b>70020</b> ocean freight manager
	<b>13201</b> ocean freight technician

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<b>94124</b> oar maker - woodworking	
<b>94124</b> oar shaper - woodworking	
<b>94140</b> oats miller	
<b>85111</b> observer helper - gravity prospecting	
<b>85111</b> observer helper - seismic prospecting	
<b>31300</b> obstetrical nursing supervisor	
<b>31101</b> obstetrician	
<b>31101</b> obstetrician-gynecologist	
<b>31301</b> obstetrics nurse	
<b>33100</b> occlusion rim former - dentures	
<b>11200</b> occupational analyst - human resources	
<b>11201</b> occupational analyst - services to management firms	
<b>22232</b> occupational health and safety (OHS) consultant	
<b>22232</b> occupational health and safety coordinator	
<b>10011</b> occupational health and safety director	

<b>21102</b> oceanographer	<b>72020</b> office machine repairers foreman/woman
<b>21101</b> oceanographic chemist	<b>10019</b> office manager - non-profit organization
<b>20011</b> oceanographic research director	<b>13100</b> office manager
<b>41200</b> oceanography professor - university	<b>74102</b> office messenger
<b>32129</b> ocular prosthetist	<b>31301</b> office nurse
<b>32129</b> ocularist apprentice	<b>40010</b> office of health promotion chief - government services
<b>32129</b> ocularist technician	<b>41407</b> Office of the Speaker of the House of Commons officer
<b>32129</b> ocularist	<b>41407</b> office of the Speaker officer
<b>94110</b> odorization technician - chemical processing	<b>14101</b> office reception clerk
<b>90010</b> oenologist	<b>14101</b> office receptionist
<b>94140</b> offal cooker - food and beverage processing	<b>13100</b> office services coordinator
<b>95109</b> offbearer - printing	<b>12010</b> office services supervisor
<b>14100</b> office administration clerk	<b>52121</b> office space planner
<b>13110</b> office administrative assistant	<b>12010</b> office supervisor
<b>13100</b> office administrator	<b>60020</b> office supplies store manager
<b>14100</b> office assistant	<b>40042</b> officer cadet
<b>12104</b> office auditor - taxation	<b>10011</b> official languages chief
<b>13100</b> office automation administrator	<b>41407</b> official languages commission officer
<b>13100</b> office automation coordinator	<b>13100</b> official languages coordinator
<b>13100</b> office automation technician	<b>41405</b> official languages education officer
<b>65310</b> office building cleaner	<b>10011</b> official languages manager
<b>65312</b> office building concierge	<b>41407</b> official languages promotion officer
<b>65100</b> office cashier	<b>41302</b> officiating clergyman/woman
<b>94210</b> office chair assembler	<b>94150</b> offline-printing machine operator
<b>65310</b> office cleaner	<b>73401</b> offset lithographic proof press operator - printing
<b>14100</b> office clerk	<b>72022</b> offset lithography foreman/woman - printing
<b>12010</b> office clerks supervisor	<b>73401</b> offset machine operator
<b>13100</b> office coordinator	<b>94151</b> offset plate preparer
<b>10012</b> office equipment purchasing manager	<b>94151</b> offset platemaker
<b>12102</b> office equipment purchasing officer	<b>72022</b> offset press foreman/woman - printing
<b>64101</b> office equipment sales representative - wholesale (non-technical)	<b>73401</b> offset press operator - printing
<b>64100</b> office equipment salesperson - retail	<b>73401</b> offset press operator
<b>62100</b> office equipment salesperson - wholesale	<b>72022</b> offset press operators foreman/woman - printing
<b>22311</b> office equipment service technician	<b>73401</b> offset pressman/woman - printing
<b>73200</b> office furniture installer	<b>73401</b> offset printer
<b>64101</b> office furniture sales representative - wholesale	<b>94151</b> offset printing plate preparer
<b>94201</b> office machine assembler	<b>72999</b> offshore diver
<b>14100</b> office machine operator	<b>83101</b> offshore driller - oil and gas
<b>12010</b> office machine operators supervisor	
<b>22311</b> office machine repairer	

<b>21332</b> offshore drilling engineer	<b>94140</b> oil clarifier tender - food and beverage processing
<b>72602</b> offshore drilling rig first mate	<b>93101</b> oil controller
<b>72603</b> offshore drilling rig marine engineer officer	<b>93101</b> oil dispatcher
<b>21332</b> offshore drilling rig subsea equipment engineer	<b>64101</b> oil distributor
<b>82021</b> offshore drilling rig superintendent	<b>72400</b> oil drill rig mechanic
<b>84101</b> offshore drilling rig technician	<b>72021</b> oil field construction foreman/woman
<b>83120</b> offshore fishing vessel captain	<b>72021</b> oil field construction supervisor
<b>72602</b> offshore rig captain	<b>82021</b> oil field consultant supervisor
<b>72602</b> offshore rig commanding officer	<b>82021</b> oil field consultant
<b>84121</b> offshore trawler deckhand	<b>82021</b> oil field contractor
<b>82021</b> oil and gas contractor	<b>85111</b> oil field labourer
<b>21332</b> oil and gas drilling engineer	<b>93101</b> oil field production operator
<b>82021</b> oil and gas drilling foreman/woman	<b>93101</b> oil field pumper
<b>80010</b> oil and gas drilling superintendent	<b>94219</b> oil filter assembler
<b>80010</b> oil and gas fields production manager	<b>72420</b> oil furnace installer
<b>21332</b> oil and gas production engineer	<b>93101</b> oil gauger
<b>42200</b> oil and gas property paralegal	<b>21102</b> oil geologist
<b>42200</b> oil and gas rights law clerk	<b>22101</b> oil geology technologist
<b>13111</b> oil and gas rights legal assistant	<b>13200</b> oil lease broker
<b>42200</b> oil and gas rights paralegal	<b>93101</b> oil movement controller
<b>82021</b> oil and natural gas well servicing foreman/woman	<b>93101</b> oil movement coordinator
<b>72420</b> oil and solid fuel heating mechanic	<b>53122</b> oil painter
<b>94110</b> oil bleacher	<b>93101</b> oil pipeline operator
<b>93101</b> oil blender	<b>72400</b> oil pump station mechanic
<b>72420</b> oil burner apprentice	<b>95109</b> oil reclaimer
<b>72020</b> oil burner installation foreman/woman	<b>93101</b> oil refiner
<b>72420</b> oil burner installer and repairer	<b>62100</b> oil refinery equipment sales representative
<b>75110</b> oil burner installer helper	<b>93101</b> oil refinery process operator
<b>72420</b> oil burner installer	<b>72400</b> oil tool maintenance mechanic
<b>75119</b> oil burner maintainer helper	<b>72400</b> oil tool repairer
<b>72420</b> oil burner maintainer	<b>73300</b> oil transport driver
<b>72420</b> oil burner mechanic apprentice	<b>84101</b> oil well acidizer
<b>75119</b> oil burner mechanic helper	<b>84101</b> oil well cementer - oil field services
<b>72420</b> oil burner mechanic	<b>85111</b> oil well cementer helper
<b>72020</b> oil burner mechanics foreman/woman	<b>80010</b> oil well drilling manager
<b>72420</b> oil burner repairer	<b>21301</b> oil well equipment design engineer
<b>72420</b> oil burner servicer	<b>21332</b> oil well logging engineer
<b>75119</b> oil burner technician helper	<b>83101</b> oil well perforator
<b>72420</b> oil burner technician	<b>14404</b> oil well service dispatcher
<b>74203</b> oil changer - motor vehicle service	<b>82021</b> oil well services field supervisor

<b>62100</b> oil well services sales engineer	<b>32101</b> operating room technician - nursing
<b>80010</b> oil well servicing manager	<b>32101</b> operating room technician
<b>72400</b> oil-drilling rig maintainer	<b>21230</b> operating systems programmer
<b>72400</b> oil-drilling rig mechanic	<b>92014</b> operating team supervisor - pulp and paper
<b>74203</b> oiler - automotive service	<b>93101</b> operating technician - chemical processing
<b>85101</b> oilseed crop worker	<b>21103</b> operational meteorologist
<b>13100</b> ombudsman officer	<b>13100</b> operational officer - administration
<b>00011</b> ombudsperson - government services	<b>10019</b> operational planning director
<b>14300</b> on call library assistant	<b>10030</b> operations and transmission services manager - telecommunications
<b>31301</b> on-call nurse	<b>10019</b> operations chief
<b>31100</b> oncologist	<b>10019</b> operations director - administrative services
<b>31301</b> oncology nurse	<b>21111</b> operations forester
<b>32121</b> oncology technologist - radiation therapy	<b>11201</b> operations management senior consultant
<b>32121</b> oncology technologist	<b>10019</b> operations manager - administrative services
<b>51113</b> on-line chronicler	<b>10021</b> operations manager - banking, credit and investment
<b>51113</b> on-line columnist	<b>50011</b> operations manager - broadcasting
<b>41405</b> online course coordinator - college	<b>90010</b> operations manager - manufacturing
<b>41405</b> online course coordinator - secondary school	<b>90010</b> operations manager - public utilities
<b>41405</b> online course coordinator - university	<b>50011</b> operations manager - publishing
<b>10022</b> online marketing manager	<b>10030</b> operations manager - telecommunications
<b>51112</b> on-line reference developer	<b>00014</b> operations manager - trade, broadcasting and other services
<b>82020</b> open pit mine supervisor	<b>13100</b> operations officer - administration
<b>94130</b> open-end spinner - textile manufacturing	<b>21210</b> operations research analyst
<b>72400</b> open-end technician - textile manufacturing	<b>22302</b> operations research technologist
<b>72400</b> open-end technician	<b>21210</b> operations researcher
<b>94130</b> opener tender - textile manufacturing	<b>12010</b> operations supervisor
<b>93100</b> open-flame furnace operator - primary metal processing	<b>93101</b> operations technician - chemical processing
<b>94130</b> opening and blending operator - textile manufacturing	<b>00015</b> operations vice-president - electric power company
<b>95104</b> opening machine feeder - rubber products manufacturing	<b>00012</b> operations vice-president - financial, communications and other business services
<b>73402</b> open-pit blaster	<b>00015</b> operations vice-president - goods production, utilities, transportation and construction
<b>73402</b> open-pit driller	<b>00013</b> operations vice-president - health, education, social and community services and membership organizations
<b>50011</b> opera company director	<b>00014</b> operations vice-president - radio broadcasting services
<b>51122</b> opera singer	<b>00012</b> operations vice-president - satellite communication services
<b>13100</b> operating officer - administration	
<b>31301</b> operating room (OR) nurse	
<b>33102</b> operating room aide	
<b>31300</b> operating room nursing supervisor	
<b>32101</b> operating room technician - Canadian Armed Forces	

<b>00014</b> operations vice-president - trade, broadcasting and other services	<b>94219</b> optical element coater - non-prescription
<b>94205</b> operator - electrical equipment manufacturing	<b>32100</b> optical frame fitter
<b>14101</b> operator - telephone system	<b>94219</b> optical glass etcher (non-prescription)
<b>33109</b> ophthalmic assistant	<b>33109</b> optical goods inspector
<b>32100</b> ophthalmic device dispenser	<b>94219</b> optical instrument assembler
<b>32100</b> ophthalmic dispenser	<b>92024</b> optical instrument assembly foreman/woman
<b>33109</b> ophthalmic goods antireflection (AR) coating technician	<b>94219</b> optical instrument calibrator
<b>33109</b> ophthalmic goods bench worker	<b>94219</b> optical instrument driller - non-prescription
<b>33109</b> ophthalmic goods lens coating technician	<b>94219</b> optical instrument maker
<b>33109</b> ophthalmic goods lens cutter	<b>92024</b> optical instrument manufacturing foreman/woman
<b>33109</b> ophthalmic goods lens tinter	<b>33109</b> optical lab mechanic - retail
<b>33109</b> ophthalmic lab technician - retail	<b>33109</b> optical laboratory assistant
<b>33109</b> ophthalmic laboratory technician - retail	<b>33109</b> optical laboratory technician - retail
<b>33109</b> ophthalmic lens bench worker	<b>33109</b> optical laboratory technician
<b>33109</b> ophthalmic lens cutter	<b>33109</b> optical lens grinder and polisher
<b>33109</b> ophthalmic lens edge grinder	<b>33109</b> optical lens inspector
<b>33109</b> ophthalmic lens grinder and polisher	<b>33109</b> optical mechanic
<b>33109</b> ophthalmic lens grinder	<b>94219</b> optical mirror coater operator
<b>33109</b> ophthalmic lens grinder-polisher setter	<b>21101</b> optical spectroscopist
<b>33109</b> ophthalmic lens inspector	<b>21311</b> optical systems engineer - telecommunications
<b>33109</b> ophthalmic lens marker	<b>33109</b> optical technician
<b>33109</b> ophthalmic medical assistant	<b>32100</b> optician
<b>32109</b> ophthalmic medical technician	<b>72022</b> OptiCopy and stripping foreman/woman - printing
<b>32109</b> ophthalmic medical technologist	<b>94151</b> opticon keypunch operator - printing
<b>32109</b> ophthalmic technician (except retail)	<b>94151</b> opticon machine operator - printing
<b>32109</b> ophthalmic technician	<b>94151</b> opticon offline programmer - printing
<b>32109</b> ophthalmic technologist	<b>94151</b> opticon program tape preparer - printing
<b>33109</b> ophthalmologist assistant	<b>21100</b> optics physicist
<b>31101</b> ophthalmologist	<b>22310</b> optics technologist
<b>21210</b> opinion polling statistician	<b>11103</b> options trader
<b>00010</b> opposition leader	<b>33109</b> optometric assistant
<b>33109</b> optical and ophthalmic goods lens picker	<b>32100</b> optometric dispenser
<b>21311</b> optical communications engineer	<b>33109</b> optometric technician
<b>21311</b> optical communications hardware engineer	<b>33109</b> optometrist assistant
<b>32100</b> optical device dispenser	<b>31111</b> optometrist
<b>32100</b> optical dispensing manager	<b>31110</b> oral and dental surgeon
<b>22212</b> optical draftsman	<b>31110</b> oral and maxillofacial surgeon
<b>52119</b> optical effects coordinator	<b>51114</b> oral interpreter
<b>95109</b> optical element cleaner	<b>31110</b> oral medicine specialist



<b>31110</b> oral pathologist	<b>51122</b> organ teacher - private, conservatory or studio lessons
<b>31110</b> oral pathology and maxillofacial surgery specialist	<b>73209</b> organ tuner
<b>31110</b> oral radiologist	<b>21101</b> organic chemist
<b>31110</b> oral surgeon	<b>85101</b> organic farm worker - harvesting
<b>00010</b> orator - government	<b>85100</b> organic farm worker - livestock
<b>82030</b> orchard foreman/woman	<b>80020</b> organic grower
<b>85101</b> orchard worker	<b>21101</b> organic mass spectrometrists
<b>51121</b> orchestra artistic director	<b>51122</b> organist
<b>51121</b> orchestral conductor	<b>11201</b> organization and methods officer
<b>51121</b> orchestrator	<b>11201</b> organization and methods researcher
<b>51121</b> orchestrator-arranger	<b>13100</b> organization and productivity project manager
<b>64409</b> order clerk - customer services	<b>13100</b> organization and productivity project officer
<b>64409</b> order desk agent	<b>10019</b> organization rules analysis manager
<b>65102</b> order picker	<b>11201</b> organizational analysis consultant
<b>14100</b> order transcriber	<b>11201</b> organizational analyst
<b>33102</b> orderly	<b>10029</b> organizational methods analysis director - business services
<b>44200</b> ordinary seaman - Royal Canadian Navy	<b>10029</b> organizational methods analysis director
<b>74201</b> ordinary seaman/woman (except armed forces)	<b>10029</b> organizational methods analysis manager
<b>12102</b> ore buyer	<b>10029</b> organizational planning and development director
<b>95100</b> ore crushing helper	<b>10019</b> organizational rules analysis manager
<b>94100</b> ore crushing worker	<b>10029</b> organizational services head
<b>94100</b> ore dryer operator	<b>21101</b> organometallic chemist
<b>94100</b> ore grinding worker	<b>32200</b> Oriental medical practitioner
<b>84100</b> ore handling operator - underground mining	<b>73209</b> Oriental rug repairer
<b>92010</b> ore milling foreman/woman	<b>42203</b> orientation and mobility instructor for persons with a visual impairment
<b>92010</b> ore milling supervisor	<b>42203</b> orientation and mobility instructor of persons who are blind
<b>94100</b> ore milling worker	<b>42203</b> orientation and mobility instructor
<b>95100</b> ore processing labourer	<b>42203</b> orientation and mobility teacher for persons who are blind
<b>95100</b> ore processing pipe maintenance worker	<b>42203</b> orientation and mobility teacher of persons with a visual impairment
<b>93100</b> ore roaster	<b>94219</b> ornament setter
<b>94104</b> ore sample tester - mineral products processing	<b>94101</b> ornamental caster - foundry
<b>94104</b> ore sampler - mineral products processing	<b>94219</b> ornamental design caster
<b>94100</b> ore screen tender	<b>94102</b> ornamental glass production worker
<b>94100</b> ore screener	<b>75110</b> ornamental iron erector helper
<b>94100</b> ore separator tender - primary metal and mineral products processing	<b>72105</b> ornamental ironworker
<b>22101</b> ore technologist	<b>94105</b> ornamental metal worker - metal fabrication
<b>84100</b> orepass tender - underground mining	
<b>72400</b> ore-processing equipment mechanic	
<b>75119</b> ore-processing equipment repairer helper	

<b>75110</b> ornamental metal worker helper	<b>32209</b> osteopathic manual therapist
<b>73102</b> ornamental plasterer	<b>31209</b> osteopathic physician
<b>95109</b> ornamental stone setter - jewellery manufacturing	<b>31101</b> otolaryngologist
<b>72105</b> ornamental-metal worker	<b>31101</b> otologist
<b>94210</b> ornamenter - furniture finishing and refinishing	<b>31101</b> otorhinolaryngologist
<b>22110</b> ornithological technician	<b>31101</b> otorhinolaryngology specialist
<b>22110</b> ornithological technologist	<b>83121</b> otter trawl fisherman/woman
<b>21110</b> ornithologist	<b>94204</b> outboard motor assembler - mechanical assembly
<b>53100</b> ornithology centre interpreter	<b>92023</b> outboard motor assembly foreman/woman
<b>51101</b> ornithology curator	<b>94204</b> outboard motor inspector and tester
<b>51101</b> ornithology museum curator	<b>94219</b> outboard motor installer
<b>33100</b> orthodontic band maker	<b>94219</b> outboard motor installer-fitter
<b>32112</b> orthodontic dental technician	<b>72423</b> outboard motor mechanic
<b>32111</b> orthodontic hygienist	<b>94204</b> outboard motor prototype tester
<b>32112</b> orthodontic prosthesis maker	<b>64409</b> outbound customer service representative - contact centre
<b>32112</b> orthodontic technician	<b>64322</b> outdoor guide
<b>31110</b> orthodontist	<b>41220</b> outdoor physical education teacher - secondary school
<b>32129</b> orthopedic appliance assembler	<b>72429</b> outdoor power equipment technician
<b>33109</b> orthopedic assistant	<b>64322</b> outfitter
<b>32129</b> orthopedic mechanic	<b>64322</b> outfitting guide
<b>33109</b> orthopedic physician assistant	<b>31301</b> out-patient clinic nurse
<b>63220</b> orthopedic shoe repairman/woman	<b>41321</b> outplacement consultant
<b>63220</b> orthopedic shoemaker	<b>41321</b> outplacement counsellor
<b>64100</b> orthopedic shoes salesperson - retail	<b>31301</b> outpost nurse
<b>33109</b> orthopedic supervisor	<b>14112</b> output compositor - typesetting
<b>31101</b> orthopedic surgeon	<b>14112</b> output operator - typesetting
<b>33109</b> orthopedic technician	<b>31301</b> outreach nurse
<b>33109</b> orthopedic technologist	<b>72400</b> oven equipment repairer
<b>31101</b> orthopedics specialist	<b>92011</b> oven foreman/woman - chemical processing
<b>33109</b> orthopedist aide	<b>95102</b> oven loader - chemical processing
<b>31101</b> orthopedist	<b>94213</b> oven tender - painting and coating
<b>94110</b> orthophosphate wet mix operator	<b>94132</b> overcaster - garment manufacturing
<b>31303</b> orthoptist	<b>94132</b> overcasting machine operator
<b>32201</b> orthothesapist	<b>94132</b> overedging machine operator
<b>32129</b> orthotic technician	<b>72500</b> overhead crane operator
<b>32129</b> orthotist	<b>94124</b> overhead dado operator - woodworking
<b>32129</b> orthotist-prosthetist	<b>73200</b> overhead door installer
<b>21110</b> osteologist	<b>21310</b> overhead electrical distribution engineer
<b>31209</b> osteopath - physician	<b>94132</b> overlock sewing machine operator
<b>32209</b> osteopathic manual practitioner	

<b>94132</b> overseamer - garment manufacturing	<b>94219</b> packaging tester
<b>72106</b> oxyacetylene torch welder	<b>95109</b> packer - manufacturing
<b>72106</b> oxyacetylene welder	<b>75101</b> packer - material handling
<b>92010</b> oxygen furnace foreman/woman - primary metal and mineral products processing	<b>94140</b> packer operator - tobacco products
<b>93100</b> oxygen furnace operator - primary metal processing	<b>65102</b> packer
<b>93101</b> oxygen recovery plant operator	<b>94121</b> packer-wrapper attendant - papermaking
<b>32103</b> oxygen therapy technician	<b>94122</b> packing carton assembler
<b>72106</b> oxyhydrogen welder	<b>94140</b> packing machine set-up operator
<b>94142</b> oyster canner - fish processing	<b>94124</b> packing trunk panel finisher - woodworking
<b>22110</b> oyster culture technician	<b>94131</b> pad mangle operator - textiles
<b>80022</b> oyster farmer	<b>94212</b> padded dashboard maker - plastic products manufacturing
<b>80022</b> oyster grower	<b>94112</b> padded products repairer
<b>85102</b> oyster harvester	<b>94130</b> padder tender - textile manufacturing
<b>94142</b> oyster packer - fish processing	<b>95109</b> padding cutter - furniture assembly
<b>85102</b> oyster picker	<b>95109</b> padding labourer
<b>85102</b> oyster picker-shucker	<b>94131</b> padding machine operator - textiles
<b>94142</b> oyster shucker - fish processing	<b>94130</b> padding machine tender - textile manufacturing
<b>94142</b> oyster washer tender - fish processing	<b>94124</b> paddle maker - woodworking
	<b>53202</b> paddock blacksmith - racetrack
	<b>53202</b> paddock horseshoer - racetrack
	<b>53202</b> paddock judge - racetrack
	<b>53202</b> paddock plater - racetrack
	<b>94130</b> pad-extractor tender - textile manufacturing
	<b>14112</b> page assembler
	<b>14112</b> page compositor
	<b>52120</b> page designer
	<b>64321</b> pai gow croupier
	<b>64321</b> pai gow domino croupier
	<b>64321</b> pai gow poker croupier
	<b>95109</b> pail handle inserter
	<b>94213</b> paint and mix production and control operator
	<b>94213</b> paint and varnish dipper operator
	<b>94213</b> paint baking oven tender
	<b>94219</b> paint brush final assembler
	<b>94213</b> paint control operator
	<b>92023</b> paint department foreman/woman - aircraft manufacturing
	<b>92022</b> paint department foreman/woman - furniture and fixtures manufacturing
	<b>92023</b> paint department foreman/woman - heavy equipment manufacturing

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<b>94201</b> pacemaker assembler - electronic equipment manufacturing
<b>52120</b> package designer
<b>74100</b> package handler
<b>75101</b> package lift operator
<b>60010</b> package tour sales manager
<b>12202</b> package underwriter - insurance
<b>65320</b> packager - laundry and dry cleaning
<b>95109</b> packager - manufacturing
<b>95109</b> packaging company labourer
<b>95109</b> packaging line worker
<b>94140</b> packaging machine adjuster
<b>72400</b> packaging machine mechanic
<b>94110</b> packaging machine operator - chemical processing
<b>94140</b> packaging machine operator - food processing
<b>90010</b> packaging manufacturing plant manager
<b>92012</b> packaging supervisor - food and beverage processing
<b>94219</b> packaging tester and inspector

<b>92023</b> paint department foreman/woman - heavy truck, bus and trailer manufacturing	<b>22100</b> paint technician
<b>92023</b> paint department foreman/woman - machinery manufacturing	<b>94219</b> paintbrush-head maker
<b>92023</b> paint department foreman/woman - metal products manufacturing	<b>72411</b> painter - motor vehicle repair
<b>92020</b> paint department foreman/woman - motor vehicle manufacturing	<b>53122</b> painter - visual arts
<b>92013</b> paint department foreman/woman - plastic products	<b>73112</b> painter and decorator apprentice
<b>92023</b> paint department foreman/woman - railway rolling stock manufacturing	<b>75110</b> painter and decorator helper
<b>92013</b> paint department foreman/woman - rubber products	<b>73112</b> painter and decorator
<b>92023</b> paint department foreman/woman - shipbuilding	<b>73112</b> painter and paperhanger
<b>92023</b> paint department foreman/woman - transport equipment manufacturing (except motor vehicles)	<b>72014</b> painter foreman/woman - construction
<b>92013</b> paint department supervisor - plastic products manufacturing	<b>75110</b> painter helper - construction
<b>92013</b> paint department supervisor - rubber products manufacturing	<b>73112</b> painter
<b>94200</b> paint department technician - motor vehicle manufacturing	<b>73112</b> painter-decorator
<b>94213</b> paint dipper - flow coating	<b>94210</b> painter-finisher - furniture finishing
<b>94213</b> paint machine operator	<b>72014</b> painters and decorators foreman/woman
<b>94110</b> paint maker	<b>72014</b> painters and decorators supervisor
<b>92011</b> paint making foreman/woman	<b>92023</b> painters foreman/woman - metal products manufacturing
<b>94110</b> paint mixer - chemical processing	<b>72014</b> painting and wallpapering contractor
<b>95102</b> paint plant labourer	<b>72014</b> painting contractor
<b>95102</b> paint pourer	<b>94213</b> painting machine attendant
<b>92011</b> paint processing foreman/woman	<b>94213</b> painting machine operator
<b>94213</b> paint production operator	<b>94213</b> painting machine tender
<b>94219</b> paint roller cover trimmer	<b>72014</b> painting supervisor - construction
<b>95109</b> paint roller winder	<b>53122</b> painting teacher
<b>94213</b> paint room attendant	<b>51101</b> paintings conservator
<b>64100</b> paint salesperson - retail	<b>53100</b> paintings restoration technician
<b>92020</b> paint shop foreman/woman - motor vehicle manufacturing	<b>94213</b> paint-sprayer operator
<b>92020</b> paint shop supervisor - motor vehicle manufacturing	<b>21102</b> paleobotanist
<b>94213</b> paint spray inspector	<b>21102</b> paleoecologist
<b>60020</b> paint store manager	<b>21103</b> paleometeorologist
<b>95109</b> paint stripper	<b>21102</b> paleontologist
<b>94213</b> paint systems attendant	<b>22101</b> paleontology technician
	<b>65329</b> pallbearer
	<b>75101</b> pallet lift operator
	<b>75101</b> pallet loader operator
	<b>75101</b> pallet truck operator
	<b>75101</b> palletizer operator
	<b>31301</b> palliative care nurse
	<b>65229</b> palm reader
	<b>21102</b> palynologist
	<b>22101</b> palynology technician

<b>92012</b> pan house foreman/woman - food and beverage processing	<b>92014</b> paper foreman/woman - pulp and paper
<b>94100</b> pan tender	<b>95109</b> paper goods bander
<b>93100</b> panel board operator - primary metal and mineral products processing	<b>94121</b> paper grader
<b>94123</b> panel inspector - wood processing	<b>64101</b> paper industry sales consultant
<b>94124</b> panel jointer machine tender - woodworking	<b>92014</b> paper inspectors foreman/woman - pulp and paper
<b>93101</b> panel operator - chemical processing	<b>94121</b> paper jogger operation - pulp and paper
<b>93102</b> panel operator - pulp and paper	<b>75110</b> paper latcher - construction
<b>94124</b> panel raiser operator - woodworking	<b>94121</b> paper machine back tender
<b>94124</b> panel saw operator - woodworking	<b>93102</b> paper machine control operator
<b>94203</b> panelboard assembler - industrial electrical equipment	<b>92014</b> paper machine foreman/woman - pulp and paper
<b>93102</b> panelboard operator - pulp and paper	<b>92014</b> paper machine foreman/woman
<b>94129</b> panel-groover operator - wood processing	<b>94121</b> paper machine hand
<b>94129</b> panel-sanding machine operator - wood processing	<b>94121</b> paper machine operator
<b>53124</b> panflute maker	<b>94121</b> paper machine second hand
<b>42204</b> panthee	<b>94121</b> paper machine winder
<b>94105</b> pantograph burner - metal fabrication	<b>93102</b> paper maker - control operation
<b>53124</b> pantograph engraver - arts and crafts	<b>92014</b> paper mill foreman/woman
<b>94105</b> pantograph flame cutter - metal fabrication	<b>90010</b> paper mill manager
<b>94106</b> pantograph milling machine set-up operator	<b>92014</b> paper mill supervisor
<b>94151</b> pantograph setter	<b>92014</b> paper mill workers foreman/woman
<b>94151</b> pantographer - printing	<b>92014</b> paper product fabricating and assembling foreman/woman
<b>94140</b> pantry worker - food and beverage processing	<b>94122</b> paper products inspector
<b>94122</b> paper bag machine operator	<b>92014</b> paper products makers foreman/woman - paper converting
<b>94122</b> paper bag machine tender	<b>94121</b> paper pulp tester
<b>94122</b> paper bag maker	<b>94121</b> paper roll finisher - pulp and paper
<b>94122</b> paper box machine operator	<b>94121</b> paper roll wrapper - pulp and paper
<b>94122</b> paper box machine tender	<b>52120</b> paper securities designer
<b>94122</b> paper box maker - paper converting	<b>95109</b> paper sheet counter - printing
<b>75201</b> paper boy/paper girl	<b>94122</b> paper slitter operator
<b>92014</b> paper coating supervisor - pulp and paper	<b>95103</b> paper sorter and counter
<b>95109</b> paper cone dipper and dryer	<b>95103</b> paper tube production helper
<b>94122</b> paper cone former - paper converting	<b>94122</b> paper twister tender - paper converting
<b>94122</b> paper cone winder - paper converting	<b>75101</b> paper wrapper - material handling
<b>51101</b> paper conservator	<b>94121</b> paper-coating machine operator
<b>95103</b> paper converting labourer	<b>94122</b> paper-converting machine operator
<b>92014</b> paper converting supervisor	<b>94121</b> paper-finishing machine operator
<b>94122</b> paper cup machine tender - paper converting	<b>75110</b> paperhanger helper - construction
<b>94122</b> paper cutter - paper converting	<b>73112</b> paperhanger

<b>72014</b> paperhangers foreman/woman	<b>82031</b> park section head - arboriculture
<b>72014</b> paperhanging contractor	<b>40011</b> park superintendent - government services
<b>72014</b> paperhanging foreman/woman	<b>65211</b> park supervisor
<b>92014</b> papermaking and finishing foreman/woman	<b>43202</b> parking control officer
<b>94121</b> papermaking and finishing machine operator	<b>13100</b> parking coordinator
<b>94151</b> paper-plate maker	<b>60020</b> parking garage operator
<b>94122</b> paper-punch press tender - paper converting	<b>65329</b> parking lot attendant
<b>94122</b> papier-mâché moulder	<b>65100</b> parking lot cashier
<b>95109</b> parachute folder	<b>60020</b> parking lot operator
<b>95109</b> parachute harness rigger	<b>62029</b> parking lot supervisor
<b>94133</b> parachute inspector - fabric products manufacturing	<b>75212</b> parking meter collector
<b>95109</b> parachute preparer	<b>73209</b> parking meter repairer
<b>94219</b> parachute stringer	<b>73209</b> parking meter servicer
<b>94110</b> paradichlorobenzene equipment tender	<b>65329</b> parking valet
<b>42200</b> paralegal	<b>40011</b> parks administration director
<b>32102</b> paramedic emergency medical technician	<b>21111</b> parks and recreation forester
<b>32102</b> paramedic worker	<b>40011</b> parks service director
<b>32102</b> paramedic	<b>12100</b> parliamentary assistant
<b>22310</b> paramedical equipment repairer	<b>12100</b> parliamentary committee clerk
<b>43100</b> paraprofessional educator	<b>40019</b> parliamentary services director
<b>21110</b> parasitologist	<b>00011</b> parole board chairman/woman
<b>21110</b> parasitology biologist	<b>41407</b> parole board member
<b>75201</b> parcel delivery driver	<b>41311</b> parole officer
<b>64401</b> parcel post clerk	<b>41311</b> parole supervisor
<b>70021</b> parcel processing plant manager	<b>73113</b> parquet floor layer
<b>74100</b> parcel sorter	<b>21100</b> particle accelerator physicist
<b>44100</b> parent's helper	<b>21100</b> particle physicist
<b>41302</b> parish priest	<b>92014</b> particleboard foreman/woman
<b>65211</b> park attendant	<b>94123</b> particleboard grader - wood processing
<b>82031</b> park caretaker	<b>94129</b> particleboard line operator
<b>53100</b> park interpreter	<b>92014</b> particleboard making foreman/woman
<b>82031</b> park labourers supervisor	<b>94213</b> particleboard spraying machine tender
<b>82031</b> park maintenance head	<b>94129</b> particleboard-forming machine operator
<b>85121</b> park maintenance labourer	<b>94129</b> particleboard-sizing saw tender
<b>82031</b> park maintenance supervisor	<b>94122</b> partition assembly machine operator - paper converting
<b>85121</b> park maintenance worker	<b>94122</b> partition slotter machine tender - paper converting
<b>21110</b> park naturalist	<b>94201</b> parts and assemblies typewriter inspector
<b>21202</b> park planner	<b>14401</b> parts clerk
<b>22113</b> park ranger	<b>12013</b> parts clerks supervisor
<b>65211</b> park receptionist	

<b>14401</b> parts counter clerk - retail	<b>62200</b> pastry chef
<b>14401</b> parts counter clerk	<b>95106</b> pastry cook helper
<b>75201</b> parts delivery driver	<b>63200</b> pastry cook
<b>14401</b> parts lister	<b>63202</b> pastry decorator - retail
<b>60020</b> parts manager - retail	<b>63202</b> pastry decorator
<b>12013</b> parts service supervisor	<b>63202</b> pastry maker
<b>12013</b> parts shipping manager	<b>64100</b> pastry sales clerk
<b>14401</b> parts sorter	<b>95106</b> pastry wrapper
<b>14401</b> parts supplier	<b>84120</b> pasture rider
<b>14401</b> parts technician	<b>82030</b> pasture-managing supervisor
<b>94201</b> parts tester - electronic equipment manufacturing	<b>65320</b> patcher - laundry and dry cleaning
<b>14401</b> partsperson	<b>94129</b> patcher operator - wood processing
<b>64313</b> passenger agent - railway	<b>65320</b> patching machine operator - laundry and dry cleaning
<b>64313</b> passenger agent (except airline)	<b>41400</b> patent agent
<b>12102</b> passenger and freight rates analyst	<b>41101</b> patent counsel
<b>64312</b> passenger sales agent - airline	<b>41101</b> patent lawyer
<b>64312</b> passenger sales representative - airline	<b>41400</b> patent searcher
<b>65210</b> passenger service attendant - railway	<b>41101</b> patent solicitor
<b>62022</b> passenger service coordinator - railway	<b>31100</b> pathologist - medical
<b>64311</b> passenger service director - water transportation	<b>31100</b> pathologist-hematologist
<b>64312</b> passenger service representative - airline	<b>31303</b> pathologists' assistant
<b>72602</b> passenger ship captain	<b>31303</b> pathology assistant
<b>73311</b> passenger train brakeman/woman	<b>33102</b> patient care aide
<b>73311</b> passenger train conductor	<b>33102</b> patient care assistant
<b>73310</b> passenger train engineer	<b>33102</b> patient care associate
<b>73310</b> passenger train locomotive engineer	<b>31300</b> patient care coordinator - nursing
<b>72023</b> passenger train road foreman/woman	<b>33102</b> patient service aide
<b>14301</b> passport clerk	<b>33102</b> patient service assistant
<b>14301</b> passport issuer	<b>33102</b> patient service associate
<b>12012</b> passport office supervisor	<b>33102</b> patient service attendant
<b>62200</b> pasta chef	<b>33102</b> patient service worker
<b>94140</b> pasta maker - food and beverage processing	<b>14200</b> patient-billing clerk
<b>52111</b> paste-up artist	<b>10019</b> patient-registration manager
<b>94140</b> pasteurizer operator - food and beverage processing	<b>73200</b> patio builder
<b>94140</b> pasteurizer operator	<b>53202</b> patrol judge - racetrack
<b>94205</b> pasting machine operator - electrical equipment manufacturing	<b>42100</b> patrol officer - police
<b>41302</b> pastor	<b>64410</b> patrol officer - security
<b>42204</b> pastoral animator	<b>64410</b> patrolman/woman - security
	<b>94131</b> pattern card preparer - textiles
	<b>95105</b> pattern cutter

<b>53125</b> pattern designer and patternmaker - textile, leather and fur products	<b>13102</b> pay clerk
<b>21301</b> pattern engineer	<b>10011</b> pay services director - human resources
<b>94101</b> pattern gater	<b>13102</b> pay verifier
<b>53125</b> pattern grader	<b>73400</b> payload operator
<b>53125</b> pattern marker - fabric products	<b>12011</b> paymaster
<b>53125</b> pattern marker	<b>14111</b> payment entry clerk
<b>53125</b> pattern modifier - textile, leather and fur products	<b>14111</b> payment input clerk
<b>53125</b> pattern modifier	<b>12011</b> payment processing unit supervisor
<b>94101</b> pattern moulder - foundry	<b>12104</b> payment service officer - government services
<b>94131</b> pattern puncher - textiles	<b>10011</b> pay-processing division director - government services
<b>72311</b> pattern repairman/woman - foundry	<b>13102</b> payroll administrator
<b>72010</b> pattern shop foreman/woman - metal machining	<b>12011</b> payroll clerk supervisor
<b>94131</b> pattern weaver - textiles	<b>13102</b> payroll clerk
<b>72999</b> patternmaker - aeronautics	<b>13102</b> payroll machine operator
<b>53125</b> patternmaker - computer assisted	<b>13102</b> payroll officer
<b>53125</b> patternmaker - textile products	<b>10029</b> payroll service manager
<b>53125</b> patternmaker - textile, leather and fur products	<b>12011</b> payroll supervisor
<b>63221</b> patternmaker-upholsterer	<b>13102</b> payroll technician
<b>75110</b> pavement line painter helper	<b>92021</b> PCB (printed circuit board) fabrication foreman/woman - electronic equipment manufacturing
<b>75110</b> pavement line painter	<b>92021</b> PCB (printed circuit board) fabrication supervisor - electronic equipment manufacturing
<b>75110</b> pavement striper	<b>41403</b> peace activist
<b>73400</b> paver operator	<b>42100</b> peace officer
<b>72021</b> pavers and surfacers foreman/woman	<b>41403</b> peace researcher
<b>94103</b> paving and stone block maker - concrete and stone products	<b>94140</b> peanut butter maker
<b>72021</b> paving contractor	<b>94140</b> peanut-blanching machine tender - food and beverage processing
<b>72401</b> paving equipment mechanic	<b>62202</b> pearl cutter
<b>72021</b> paving foreman/woman	<b>94219</b> pearl earring maker
<b>72021</b> paving gang road boss	<b>94219</b> pearl maker
<b>75110</b> paving operations labourer	<b>62202</b> pearl setter
<b>72021</b> paving, surfacing and related work foreman/woman	<b>94219</b> pearl stringer
<b>60020</b> pawnbroker	<b>80010</b> peat bog manager
<b>13102</b> pay accounts clerk	<b>75119</b> peat digger
<b>13102</b> pay advisor	<b>94100</b> peat moss dehydrator tender
<b>13102</b> pay and benefits administrator	<b>73400</b> peat-moss-cutting machine operator
<b>13102</b> pay and benefits clerk	<b>73400</b> peat-moss-gathering machine operator
<b>10011</b> pay and benefits director	<b>94103</b> pebble mill operator - stone products
<b>10011</b> pay and benefits manager	<b>40020</b> pedagogical coordinator
<b>12011</b> pay and benefits supervisor	



<b>94106</b> pedestal drill operator - metal machining	<b>94219</b> pencil-eraser maker tender
<b>31112</b> pediatric audiologist	<b>94219</b> pencil-eraser-making machine tender
<b>31110</b> pediatric dentist	<b>94124</b> pencil-grooving machine tender
<b>32122</b> pediatric echocardiographer	<b>94219</b> pencil-making machine operator
<b>31301</b> pediatric intensive care nurse	<b>94219</b> pencil-making machine setter
<b>31302</b> pediatric nurse practitioner	<b>94219</b> pencil-making machine tender
<b>31301</b> pediatric nurse	<b>94219</b> pencil-pointing machine tender
<b>31100</b> pediatric oncologist	<b>94124</b> pencil-rounding machine tender
<b>31101</b> pediatric surgeon	<b>94213</b> pencil-tip-banding machine tender
<b>31100</b> pediatrician	<b>95109</b> pencil-tipping machine feeder
<b>63211</b> pedicurist	<b>43201</b> penitentiary guard
<b>31110</b> pedodontist	<b>41409</b> penologist
<b>21109</b> pedologist	<b>84120</b> penrider
<b>32129</b> pedorthist	<b>14201</b> pension administrator - insurance company
<b>42201</b> peer support worker	<b>10010</b> pension plans administrator
<b>95101</b> pellet grinder - metal products manufacturing	<b>14201</b> pension plans clerk - insurance
<b>94101</b> pellet maker - foundry	<b>10010</b> pension services manager
<b>95106</b> pellet mill worker - food and beverage processing	<b>10011</b> pensions and benefits manager
<b>94219</b> pellet press operator - explosives manufacturing	<b>53200</b> pentathlete
<b>94219</b> pellet press tender - explosives manufacturing	<b>94133</b> perch operator - textiles
<b>94100</b> pellet press tender - primary metal processing	<b>94133</b> perch operator
<b>94219</b> pellet press tender	<b>94133</b> percher - textiles
<b>94100</b> pellet segregator - primary metal processing	<b>73209</b> percussion instrument repairer
<b>93100</b> pelletizing control operator	<b>51122</b> percussionist
<b>94130</b> pelt dresser	<b>94152</b> perfect-binder operator - printing
<b>94130</b> pelt dyer - hide and pelt processing	<b>94152</b> perfect-binder set-up operator - printing
<b>94133</b> pelt grader - hide and pelt processing	<b>94152</b> perforating machine operator - printing
<b>94133</b> pelt processing inspector	<b>94152</b> perforating machine tender - printing
<b>94130</b> pelt processing worker	<b>85111</b> perforator helper - oil field services
<b>94130</b> pelt shearer	<b>85111</b> perforator loader helper - oil field services
<b>94130</b> pelt stretcher - hide and pelt processing	<b>94152</b> perforator operator - printing
<b>94219</b> pen and pencil assembler	<b>94152</b> perforator tender - printing
<b>94219</b> pen and pencil inspector	<b>53120</b> performance movement teacher
<b>43201</b> penal institution guard	<b>11202</b> performers agent
<b>94219</b> pen-and-pencil-knurling machine operator	<b>51120</b> performing arts artistic director
<b>95109</b> pencil blank presser	<b>53121</b> performing arts extra
<b>94219</b> pencil maker operator	<b>94110</b> perfume maker
<b>94219</b> pencil maker tender	<b>32103</b> perfusion technologist
<b>94213</b> pencil-coating machine tender	<b>32103</b> perfusionist
	<b>31301</b> perinatal care nurse
	<b>94103</b> periodic kiln operator - clay products

<b>94103</b> periodic kilnman/woman - clay products	<b>63102</b> personal financial services associate
<b>50011</b> periodical managing editor	<b>63102</b> personal financial services officer
<b>14300</b> periodicals clerk - library	<b>64201</b> personal image consultant
<b>14300</b> periodicals clerk	<b>64201</b> personal image counsellor
<b>51100</b> periodicals librarian	<b>64201</b> personal improvement consultant
<b>64101</b> periodicals sales representative - wholesale	<b>11102</b> personal investment advisor
<b>64101</b> periodicals sales representative	<b>11102</b> personal investment counsellor
<b>32111</b> periodontal hygienist	<b>14201</b> personal lines clerk - insurance
<b>31110</b> periodontist	<b>12202</b> personal lines underwriter
<b>62101</b> perishable food buyer	<b>63102</b> personal loans officer
<b>93100</b> perlite expander control panel operator - mineral products processing	<b>13110</b> personal secretary
<b>14403</b> permanent inventory clerk	<b>10021</b> personal services manager - banking, credit and investment
<b>94101</b> permanent mould operator - foundry	<b>65109</b> personal shopper
<b>94219</b> permanent press sprayer machine	<b>42201</b> personal skills development instructor - social services
<b>94219</b> permanent press sprayer tender - garment and fabric products manufacturing	<b>44101</b> personal support aide - home aide
<b>72320</b> permastone installer	<b>33102</b> personal support aide - medical
<b>72320</b> permastone mason	<b>44101</b> personal support worker - home support
<b>50011</b> permission manager - publishing	<b>33102</b> personal support worker - nursing care
<b>14301</b> permit clerk	<b>54100</b> personal trainer
<b>93102</b> peroxide bleach plant operator - pulp and paper	<b>10021</b> personal trust manager
<b>41320</b> personal academic counsellor	<b>11109</b> personal trust officer
<b>44101</b> personal aide - home support	<b>64201</b> personal wardrobe consultant
<b>44101</b> personal assistant - home care	<b>10011</b> personnel administration manager
<b>63102</b> personal banker	<b>12101</b> personnel administrator
<b>63102</b> personal banking accounts officer	<b>12101</b> personnel adviser
<b>63102</b> personal banking representative	<b>10029</b> personnel agency manager
<b>00012</b> personal banking vice-president	<b>10011</b> personnel and industrial relations director
<b>44101</b> personal care aide - home care	<b>10011</b> personnel chief
<b>33102</b> personal care aide - medical	<b>14102</b> personnel clerk
<b>44101</b> personal care attendant - home care	<b>12010</b> personnel clerks supervisor
<b>33102</b> personal care attendant - medical	<b>10029</b> personnel consulting service manager
<b>44101</b> personal care provider - home care	<b>10011</b> personnel director
<b>33102</b> personal care provider - medical	<b>12101</b> personnel interviewer
<b>22221</b> personal computer (PC) support analyst	<b>12101</b> personnel management adviser
<b>64100</b> personal computer salesperson - retail	<b>10011</b> personnel manager
<b>41320</b> personal counsellor - education	<b>12101</b> personnel officer
<b>14201</b> personal credit lines clerk	<b>12101</b> personnel recruitment officer
<b>11102</b> personal finance advisor	<b>11200</b> personnel research officer
<b>11102</b> personal financial planner	<b>14100</b> personnel scheduling clerk

<b>12101</b> personnel selection officer	<b>22100</b> petrochemical engineering technician
<b>14102</b> personnel services clerk	<b>22100</b> petrochemical engineering technologist
<b>10011</b> personnel services director	<b>22100</b> petrochemical laboratory technologist
<b>10011</b> personnel services manager	<b>21102</b> petrographer
<b>11200</b> personnel standards officer	<b>93101</b> petroleum blender
<b>12101</b> personnel supervisor	<b>21101</b> petroleum chemist
<b>10011</b> personnel training and development manager	<b>93101</b> petroleum distillation operator
<b>00012</b> personnel vice-president - bank	<b>90011</b> petroleum distribution manager
<b>00012</b> personnel vice-president - financial, communications and other business services	<b>21332</b> petroleum engineer
<b>00015</b> personnel vice-president - goods production, utilities, transportation and construction	<b>22101</b> petroleum engineering technician
<b>00013</b> personnel vice-president - health, education, social and community services and membership organizations	<b>22101</b> petroleum engineering technologist
<b>00014</b> personnel vice-president - trade, broadcasting and other services	<b>22212</b> petroleum exploration draftsman
<b>72014</b> pest control branch supervisor	<b>22101</b> petroleum field technologist
<b>72014</b> pest control division supervisor	<b>21102</b> petroleum geologist
<b>73202</b> pest control operator	<b>20011</b> petroleum geology department manager
<b>73202</b> pest control representative	<b>22101</b> petroleum geology technologist
<b>60040</b> pest control service manager	<b>12102</b> petroleum land administrator
<b>73202</b> pest control service representative	<b>95102</b> petroleum process operator helper
<b>72014</b> pest control supervisor	<b>93101</b> petroleum process operator
<b>73202</b> pest control technician	<b>92011</b> petroleum processing foreman/woman
<b>73202</b> pest control trapper	<b>92011</b> petroleum processing shift supervisor
<b>73202</b> pest controller	<b>22100</b> petroleum processing tester
<b>73202</b> pest extermination representative	<b>64101</b> petroleum product sales representative - wholesale
<b>73202</b> pest exterminator	<b>00015</b> petroleum production company regional vice-president
<b>73202</b> pest fumigator	<b>21332</b> petroleum production engineer
<b>94110</b> pesticide formulation blender operator	<b>93101</b> petroleum refiner
<b>94110</b> pesticide mixer	<b>72400</b> petroleum refinery industrial mechanic
<b>60040</b> pet care services manager	<b>95102</b> petroleum refinery labourer
<b>94140</b> pet food cook - food and beverage processing	<b>93101</b> petroleum refinery operator
<b>65220</b> pet groomer	<b>21320</b> petroleum refinery process engineer
<b>60040</b> pet grooming establishment manager	<b>92011</b> petroleum refining supervisor
<b>60040</b> pet grooming salon manager	<b>10020</b> petroleum research manager - securities
<b>65220</b> pet master groomer	<b>22100</b> petroleum research technologist
<b>65220</b> pet shop attendant	<b>21332</b> petroleum reservoir engineer
<b>60020</b> pet store manager	<b>22101</b> petroleum technician
<b>64100</b> pet store salesperson	<b>22100</b> petroleum tester
<b>21320</b> petrochemical engineer	<b>93101</b> petroleum treater
	<b>93101</b> petroleum unit operator
	<b>21332</b> petroleum well completion engineer

<b>21102</b> petrologist	<b>41409</b> philologist
<b>22101</b> petrology technician	<b>41409</b> philosopher
<b>21102</b> petrophysicist	<b>41200</b> philosophy professor - university
<b>65220</b> pet-sitter	<b>33101</b> phlebotomist
<b>60040</b> pet-sitting service manager	<b>33101</b> phlebotomy aide
<b>12011</b> petty cash supervisor	<b>65229</b> phone agent - personal services
<b>21110</b> pharmaceutical bacteriologist	<b>31100</b> phoniatician
<b>21101</b> pharmaceutical chemist	<b>31100</b> phoniatrist
<b>92011</b> pharmaceutical compounding foreman/woman	<b>93101</b> phosphate process fertilizer maker
<b>93101</b> pharmaceutical processing operator	<b>94110</b> phosphoric acid extractor
<b>20011</b> pharmaceutical products quality assurance (QA) director	<b>51102</b> photo archivist
<b>62100</b> pharmaceutical sales representative	<b>22214</b> photo cartographer
<b>62100</b> pharmaceutical salesperson	<b>94153</b> photo developer
<b>32124</b> pharmaceutical technician	<b>94153</b> photo developer-printer
<b>22100</b> pharmaceuticals and toiletries inspector	<b>94153</b> photo developing inspector
<b>62101</b> pharmaceuticals buyer	<b>52111</b> photo editor
<b>22100</b> pharmaceuticals inspector	<b>94153</b> photo lab technician
<b>92011</b> pharmaceuticals production supervisor	<b>52111</b> photo process letterer - graphic arts
<b>31120</b> pharmacist consultant	<b>94153</b> photo processor
<b>31120</b> pharmacist	<b>52111</b> photo stencil maker
<b>21101</b> pharmacological chemist	<b>94153</b> photo technician
<b>21110</b> pharmacologist	<b>72022</b> photocomposer operators supervisor
<b>33103</b> pharmacy aide	<b>72022</b> photocomposers supervisor
<b>33103</b> pharmacy assistant	<b>14112</b> photocomposing machine keyboard operator
<b>64100</b> pharmacy clerk	<b>14112</b> photocomposing machine operator
<b>60020</b> pharmacy department manager - retail	<b>14112</b> photocomposing machine tender
<b>30010</b> pharmacy director	<b>14112</b> photocomposing-perforating machine operator
<b>33103</b> pharmacy helper	<b>14112</b> photocomposition typesetter
<b>60020</b> pharmacy manager - retail	<b>14112</b> photocompositor
<b>31120</b> pharmacy officer - Canadian Armed Forces	<b>22311</b> photocopier repairer
<b>41200</b> pharmacy professor - university	<b>22311</b> photocopier servicer
<b>33103</b> pharmacy side room attendant	<b>22311</b> photocopy machine servicer
<b>33103</b> pharmacy supply assistant	<b>22311</b> photocopy machine technician
<b>33103</b> pharmacy technical assistant	<b>12010</b> photocopy unit supervisor
<b>32124</b> pharmacy technician supervisor	<b>94150</b> photocopying machine tender
<b>32124</b> pharmacy technician	<b>22311</b> photoelectric sorting machine repairer
<b>80020</b> pheasant breeder	<b>73401</b> photoengraved plate proof press operator - printing
<b>85100</b> pheasant farm worker	<b>73401</b> photoengraved plate proof puller - printing
<b>94110</b> phenol extractor operator	<b>94151</b> photoengraver - printing
<b>60020</b> philatelist	<b>72022</b> photoengravers foreman/woman

<b>94151</b> photoengraving etcher - printing	<b>72022</b> photographic processing and finishing foreman/woman
<b>94151</b> photoengraving finisher	<b>94153</b> photographic processor
<b>94151</b> photoengraving platemaker	<b>72022</b> photographic processors supervisor
<b>94151</b> photoengraving retoucher - printing	<b>64101</b> photographic services sales representative
<b>94153</b> photofinisher	<b>64100</b> photographic studio clerk
<b>73209</b> photofinishing equipment repairer	<b>60020</b> photographic studio manager
<b>21102</b> photogeologist	<b>94153</b> photographic-film-processing machine operator
<b>21300</b> photogrammetric engineer	<b>94153</b> photographic-processing machine operator
<b>22214</b> photogrammetric technician	<b>52111</b> photography colourist
<b>22214</b> photogrammetric technologist	<b>51101</b> photography museum curator
<b>22214</b> photogrammetrist	<b>53110</b> photography supervisor
<b>51101</b> photograph conservator	<b>94151</b> photogravure camera operator - printing
<b>94153</b> photograph developer	<b>53110</b> photojournalist
<b>94153</b> photograph developing inspector	<b>14112</b> photomechanical composition typographer
<b>94153</b> photograph enlarger	<b>53110</b> photomicrographer
<b>14301</b> photograph examiner	<b>21100</b> photonics physicist
<b>14300</b> photograph filer - library	<b>94151</b> photopolymer platemaker
<b>94153</b> photograph inspector - photographic processing	<b>94201</b> photoresist printer - electronic equipment manufacturing
<b>94153</b> photograph mounter	<b>14112</b> phototypesetter operator
<b>52111</b> photograph retoucher	<b>14112</b> phototypesetter terminal operator
<b>53110</b> photographer	<b>14112</b> phototypesetter
<b>52111</b> photographic airbrush artist	<b>14112</b> phototypesetting machine operator
<b>72022</b> photographic and film processing foreman/woman	<b>65229</b> phrenologist
<b>72022</b> photographic and film processing supervisor	<b>31100</b> psychiatrist
<b>94153</b> photographic and film-processing machine operator	<b>41220</b> physical and health education teacher - secondary school
<b>94110</b> photographic chemical liquid mixer	<b>41409</b> physical anthropologist
<b>52111</b> photographic colourist	<b>21101</b> physical chemist
<b>94153</b> photographic enlarger operator	<b>41405</b> physical education coordinator - education
<b>64100</b> photographic equipment and supplies salesperson - retail	<b>50012</b> physical education programs director
<b>94219</b> photographic equipment assembler	<b>41221</b> physical education teacher - elementary school
<b>92024</b> photographic equipment assembly foreman/woman	<b>41220</b> physical education teacher - secondary school
<b>94219</b> photographic equipment assembly inspector	<b>41409</b> physical geographer
<b>94219</b> photographic equipment inspector	<b>31100</b> physical medicine and rehabilitation specialist
<b>60020</b> photographic equipment store manager	<b>21322</b> physical metallurgical engineer
<b>94153</b> photographic film printer	<b>21109</b> physical metallurgist
<b>94153</b> photographic film processor	<b>22101</b> physical metallurgy technician
<b>72022</b> photographic lab foreman/woman	<b>22101</b> physical metallurgy technologist
<b>94153</b> photographic printer	<b>21103</b> physical meteorologist
	<b>21102</b> physical oceanographer

<b>32109</b> physical rehabilitation technician	<b>33109</b> physiotherapy attendant
<b>32109</b> physical rehabilitation therapist	<b>31202</b> physiotherapy clinical coordinator
<b>21101</b> physical research chemist	<b>33109</b> physiotherapy helper
<b>21210</b> physical science and engineering statistician	<b>31202</b> physiotherapy officer - Canadian Armed Forces
<b>41220</b> physical science teacher - secondary school	<b>31202</b> physiotherapy supervisor
<b>22310</b> physical sciences laboratory technician	<b>32109</b> physiotherapy technician
<b>41200</b> physical sciences professor - university	<b>21110</b> phytobiologist
<b>20011</b> physical sciences program manager	<b>21110</b> phytopathologist
<b>94104</b> physical tester - steel mill	<b>33109</b> phytotherapy assistant
<b>32109</b> physical therapist assistant (PTA)	<b>51122</b> pianist
<b>31202</b> physical therapist	<b>73209</b> piano action adjuster
<b>32109</b> physical therapy aide	<b>94219</b> piano action assembler
<b>33109</b> physical therapy attendant	<b>94219</b> piano action inspector-adjuster
<b>31202</b> physical therapy clinical coordinator	<b>73209</b> piano action regulator
<b>31202</b> physical therapy clinical specialist	<b>94219</b> piano and organ bench worker
<b>31202</b> physical therapy supervisor	<b>94210</b> piano and organ finisher
<b>32109</b> physical therapy technician	<b>94210</b> piano and organ refinisher
<b>50012</b> physical training director	<b>94219</b> piano assembler
<b>54100</b> physical training instructor	<b>94219</b> piano assembly inspector
<b>54100</b> physical training leader	<b>94219</b> piano back assembler
<b>31303</b> physician assistant	<b>94219</b> piano case assembler
<b>31102</b> physician resident	<b>94219</b> piano inspector
<b>31301</b> physician's office nurse	<b>94219</b> piano mechanism assembler
<b>21100</b> physicist	<b>73209</b> piano repairer
<b>41200</b> physics department chairman/woman - university	<b>73209</b> piano stringer
<b>41200</b> physics department chairperson - university	<b>94219</b> piano subassembler
<b>22310</b> physics department electronics technologist	<b>51122</b> piano teacher - private, conservatory or studio lessons
<b>41200</b> physics department head - university	<b>73209</b> piano technician
<b>41200</b> physics professor - university	<b>73209</b> piano tone regulator
<b>21100</b> physics research scientist	<b>73209</b> piano tuner
<b>41220</b> physics teacher - secondary school	<b>73209</b> piano tuner-technician
<b>21110</b> physiological biophysicist	<b>94201</b> pick and place machine operator - electronic equipment manufacturing
<b>21101</b> physiological chemist	<b>95105</b> pick remover - textile processing
<b>21110</b> physiologist	<b>94130</b> picker - textile manufacturing
<b>21110</b> physiologist-biochemist - nuclear medicine	<b>83110</b> picker truck operator
<b>41200</b> physiology professor - university	<b>94130</b> picking machine operator - textile manufacturing
<b>32109</b> physiotherapist assistant (PTA)	<b>94130</b> picking machine tender - textile manufacturing
<b>31202</b> physiotherapist	<b>94100</b> pickle line operator - primary metal processing
<b>32109</b> physiotherapy aide	
<b>32109</b> physiotherapy assistant	

<b>94140</b> pickleman/woman - food and beverage processing	<b>75110</b> pile driving ground worker
<b>94140</b> pickler - food and beverage processing	<b>94130</b> pile fabric finisher
<b>94130</b> pickler - hide and pelt processing	<b>73400</b> pile-driving hammer operator
<b>94100</b> pickler operator - primary metal processing	<b>75110</b> pile-driving lead placer helper
<b>90010</b> pickling plant manager	<b>94130</b> pile-finishing machine tender - textile manufacturing
<b>94140</b> pickling solution injector - food and beverage processing	<b>75101</b> piler - material handling
<b>95105</b> pick-pulling machine tender	<b>95109</b> piler - printing
<b>75101</b> pick-up machine operator	<b>95103</b> piler - wood processing
<b>52120</b> pictographer	<b>75101</b> piler (except processing)
<b>51110</b> picture editor	<b>94219</b> pill machine operator
<b>94151</b> picture engraver - printing	<b>94219</b> pill maker operator
<b>94153</b> picture enlarger - photographic processing	<b>94219</b> pill-coating machine operator
<b>94210</b> picture frame assembler - furniture and fixtures manufacturing	<b>72600</b> pilot - air transport
<b>53100</b> picture framer - museum and art gallery	<b>72600</b> pilot - Canadian Armed Forces
<b>64100</b> picture framing consultant - retail	<b>72602</b> pilot - water transport
<b>94201</b> picture tube assembler	<b>72600</b> pilot instructor
<b>94201</b> picture tube assembly screen aluminizer	<b>92011</b> pilot plant foreman/woman - chemical processing
<b>94201</b> picture tube screen aluminizer	<b>22100</b> pilot plant technician
<b>94201</b> picture tube tester - electronic equipment manufacturing	<b>22100</b> pilot plant technologist
<b>94140</b> pie dough roller	<b>93101</b> pilot plant tender
<b>94140</b> pie filling cooker	<b>14404</b> pilot services dispatcher
<b>94140</b> pie filling mixer	<b>94107</b> pin maker - metal products
<b>95105</b> piece hauler - textile processing	<b>94124</b> pin maker - wood products manufacturing
<b>84110</b> pieceworker - logging	<b>72400</b> pin setter - textile manufacturing
<b>84111</b> pieceworker - silviculture	<b>53200</b> ping-pong player
<b>94140</b> pie-making machine operator	<b>94131</b> pinning machine operator - textiles
<b>72021</b> pier foreman/woman	<b>94131</b> pinning machine operator
<b>94100</b> piercing mill operator - primary metal processing	<b>75110</b> pipe aligner - pipeline construction
<b>94100</b> pig caster - primary metal processing	<b>94100</b> pipe and tube roll setter - primary metal processing
<b>94100</b> pig iron pourer	<b>94213</b> pipe coater-painter
<b>95102</b> pigment presser	<b>94101</b> pipe coremaker - foundry
<b>54100</b> pilates instructor	<b>75110</b> pipe doper - construction
<b>75110</b> pile driver operator helper - crane operation	<b>94111</b> pipe extrusion machine operator - plastic manufacturing
<b>75110</b> pile driver operator's helper	<b>94103</b> pipe finisher - clay products
<b>73400</b> pile driver winch operator	<b>94103</b> pipe fittings moulder - concrete products
<b>75110</b> pile driving chainman/woman	<b>95109</b> pipe grader
<b>72500</b> pile driving crane operator	<b>72321</b> pipe insulator
	<b>94103</b> pipe junction maker - concrete products

<b>72021</b> pipe laying contractor	<b>84101</b> pipeline locator - oil field services
<b>74204</b> pipe locator - utilities	<b>74204</b> pipeline maintenance worker
<b>53124</b> pipe organ builder	<b>75110</b> pipeline mandrel operator
<b>73200</b> pipe organ erector	<b>92011</b> pipeline operations supervisor
<b>73200</b> pipe organ installer	<b>74204</b> pipeline patrolman/woman
<b>73209</b> pipe organ tuner and repairer	<b>74204</b> pipeline rehabilitation worker
<b>94213</b> pipe spray painter	<b>73209</b> pipeline safety valve repairer
<b>94103</b> pipe tester - concrete products	<b>74203</b> pipeline service truck driver
<b>22230</b> pipe tester - non-destructive testing	<b>21203</b> pipeline surveyor
<b>84100</b> pipe turner - trackman/woman	<b>22230</b> pipeline testing technician - non-destructive testing
<b>94105</b> pipe-bending machine operator - metal fabrication	<b>21320</b> pipeline transport engineer
<b>75110</b> pipe-cleaning and covering machine operator	<b>73209</b> pipeline valve repairer
<b>72301</b> pipefitter - shipbuilding	<b>75110</b> pipeline welder helper
<b>75110</b> pipefitter helper - construction	<b>72106</b> pipeline welder
<b>75119</b> pipefitter helper - shipbuilding	<b>75110</b> pipeline worker - construction
<b>72301</b> pipefitter	<b>75110</b> pipeline-liner installer
<b>72012</b> pipefitters foreman/woman	<b>72021</b> pipelines construction foreman/woman
<b>72012</b> pipefitters supervisor	<b>90011</b> pipelines operations manager
<b>72301</b> pipefitter-steamfitter	<b>94106</b> pipe-threading machine operator
<b>72012</b> pipefitting contractor	<b>84100</b> pipeworker - underground mining
<b>75110</b> pipelayer - construction	<b>85110</b> pipeworker helper - underground mining
<b>75110</b> pipelayer - drainage systems	<b>22212</b> piping draftsperson
<b>75110</b> pipelayer - irrigation	<b>21301</b> piping engineer
<b>73400</b> pipelayer operator	<b>94132</b> piping-sewing machine operator
<b>72600</b> pipeline air patrol pilot	<b>22110</b> pisciculture bacteriological technologist
<b>75110</b> pipeline caulker	<b>62022</b> pit boss gaming
<b>93101</b> pipeline compressor station operator	<b>75110</b> pit bottom worker
<b>22233</b> pipeline construction inspector foreman/woman	<b>94101</b> pit moulder
<b>22233</b> pipeline construction inspector	<b>85110</b> pit scaler - underground mining
<b>70010</b> pipeline construction manager	<b>85110</b> pit-scaler helper
<b>70010</b> pipeline construction superintendent	<b>63200</b> pizza cook
<b>72021</b> pipeline construction supervisor	<b>75201</b> pizza delivery driver
<b>22231</b> pipeline equipment inspector	<b>10029</b> placement agency manager
<b>74203</b> pipeline equipment servicer	<b>10029</b> placement office manager
<b>92011</b> pipeline foreman/woman	<b>12101</b> placement officer - human resources
<b>93101</b> pipeline gauger	<b>21102</b> placer geologist
<b>22233</b> pipeline inspector foreman/woman	<b>53202</b> placing judge - racetrack
<b>22231</b> pipeline inspector	<b>42100</b> plain-clothes officer
<b>72021</b> pipeline installation supervisor	<b>22213</b> plane table operator - surveying
<b>75110</b> pipeline labourer	<b>94120</b> planer - sawmill



<b>94124</b> planer - woodworking	<b>85121</b> plant doctor helper
<b>94124</b> planer feeder - woodworking	<b>22114</b> plant doctor
<b>94123</b> planer grader - wood processing	<b>21110</b> plant ecologist
<b>94123</b> planer mill grader - wood processing	<b>72011</b> plant electrician supervisor
<b>94120</b> planer mill machine operator	<b>72201</b> plant electrician
<b>94106</b> planer operator - metal machining	<b>21321</b> plant engineer
<b>94120</b> planer operator - sawmill	<b>72400</b> plant equipment mechanic
<b>94103</b> planer operator - stone products	<b>64410</b> plant gatekeeper
<b>94124</b> planer operator - woodworking	<b>80021</b> plant grower - nursery
<b>94120</b> planer operator	<b>64410</b> plant guard
<b>94124</b> planer tender - woodworking	<b>22302</b> plant layout technician
<b>94120</b> planerman/woman - sawmill	<b>72400</b> plant machinery maintenance mechanic
<b>92022</b> planers, turners, shapers and related wood-machining workers foreman/woman - furniture and fixtures manufacturing	<b>72201</b> plant maintenance electrician
<b>53100</b> planetarium interpreter	<b>70012</b> plant maintenance manager
<b>53100</b> planetarium technician	<b>72400</b> plant maintenance mechanic
<b>21202</b> planner	<b>73112</b> plant maintenance painter
<b>21202</b> planning analyst - land use	<b>92100</b> plant maintenance stationary engineer
<b>10019</b> planning and organizational development manager	<b>70012</b> plant maintenance superintendent
<b>41404</b> planning coordinator - district health council program	<b>73201</b> plant maintenance worker
<b>13100</b> planning officer	<b>70021</b> plant manager - postal and courier services
<b>22302</b> planning technician	<b>90010</b> plant manager
<b>00012</b> planning vice-president - financial, communications and other business services	<b>21110</b> plant nematologist
<b>00015</b> planning vice-president - goods production, utilities, transportation and construction	<b>70021</b> plant operations manager - postal service
<b>00013</b> planning vice-president - health, education, social and community services and membership organizations	<b>00015</b> plant operations vice-president
<b>00014</b> planning vice-president - trade, broadcasting and other services	<b>21110</b> plant pathologist
<b>11100</b> plant accountant	<b>22110</b> plant pathology technician
<b>21110</b> plant anatomist	<b>22110</b> plant pathology technologist
<b>90010</b> plant assistant manager	<b>21110</b> plant physiologist
<b>21110</b> plant breeder	<b>21110</b> plant population biologist
<b>22110</b> plant breeding technician	<b>22111</b> plant primary products inspector
<b>85121</b> plant care worker	<b>85103</b> plant propagator - greenhouse or nursery
<b>72310</b> plant carpenter	<b>22111</b> plant protection inspector
<b>65312</b> plant cleaner	<b>21110</b> plant scientist
<b>11100</b> plant controller	<b>70021</b> plant superintendent - postal and courier services
<b>14404</b> plant dispatcher	<b>21110</b> plant taxonomist
	<b>72102</b> plant tinsmith
	<b>64320</b> plant tour guide
	<b>82030</b> planting and cultivation contractor
	<b>82010</b> planting crew foreman/woman
	<b>82031</b> plantscape maintenance contractor

<b>22114</b> plantscape technician	<b>94111</b> plastic coagulator
<b>21100</b> plasma physicist	<b>94212</b> plastic coating fabricator
<b>94103</b> plaster die maker	<b>94111</b> plastic compounder
<b>72999</b> plaster mould maker - aircraft	<b>94111</b> plastic compression moulder
<b>33100</b> plaster moulder - dentures	<b>94212</b> plastic cutter
<b>72999</b> plaster pattern maker - aircraft	<b>94111</b> plastic extruder operator
<b>72999</b> plaster pattern maker	<b>94111</b> plastic film roll inspector
<b>33109</b> plaster room aide	<b>94111</b> plastic footwear moulder operator
<b>33109</b> plaster room attendant	<b>92013</b> plastic inspector foreman/woman
<b>95100</b> plasterboard cutter - mineral products processing	<b>72321</b> plastic insulation applicator
<b>94104</b> plasterboard inspector - mineral products processing	<b>94124</b> plastic laminator - wood furniture manufacturing
<b>95100</b> plasterboard machine feeder - mineral products manufacturing	<b>94111</b> plastic mannequin moulder - plastic manufacturing
<b>94103</b> plasterboard machine operator	<b>94212</b> plastic material reeler and cutter
<b>94103</b> plasterboard-mixing machine tender	<b>94111</b> plastic mixer operator
<b>73102</b> plasterer apprentice	<b>94111</b> plastic mould setter
<b>72014</b> plasterer foreman/woman	<b>94212</b> plastic packing fabricator
<b>75110</b> plasterer helper	<b>94212</b> plastic parts assembler
<b>73102</b> plasterer	<b>94111</b> plastic pipe production worker
<b>72014</b> plasterer-contractor	<b>94212</b> plastic piping fabricator
<b>73102</b> plasterer-decorator	<b>95109</b> plastic printer helper
<b>72014</b> plastering and drywall application contractor	<b>94150</b> plastic printer
<b>72014</b> plastering and drywalling contractor	<b>64101</b> plastic product sales representative - wholesale
<b>72014</b> plastering contractor	<b>94212</b> plastic products assembler
<b>72014</b> plastering supervisor	<b>94212</b> plastic products assembly repairer
<b>94212</b> plastic and composite worker	<b>94212</b> plastic products buffer
<b>94200</b> plastic and painted panels inspector - motor vehicle manufacturing	<b>94212</b> plastic products fabricator
<b>94212</b> plastic ankle piece moulder	<b>94212</b> plastic products finisher
<b>53122</b> plastic arts artist	<b>94212</b> plastic products former
<b>94111</b> plastic bag machine operator	<b>92013</b> plastic products inspection supervisor
<b>94111</b> plastic bag maker operator	<b>94212</b> plastic products inspector and tester
<b>94111</b> plastic bag production machine operator	<b>94212</b> plastic products inspector
<b>94212</b> plastic bottle trimmer	<b>92013</b> plastic products inspectors supervisor
<b>94212</b> plastic box maker	<b>94212</b> plastic products laminator
<b>94212</b> plastic case assembler	<b>92013</b> plastic products manufacturing foreman/woman
<b>94212</b> plastic casket maker	<b>94212</b> plastic products manufacturing inspector
<b>94111</b> plastic centrifugal caster	<b>95104</b> plastic products manufacturing labourer
<b>94111</b> plastic coagulating tank tender	<b>95104</b> plastic products manufacturing machine operator helper
<b>94111</b> plastic coagulation operator	<b>92013</b> plastic products manufacturing supervisor
	<b>94212</b> plastic products trimmer

<b>94212</b> plastic products vacuum-forming machine tender	<b>94212</b> plastics trimmer
<b>90010</b> plastic products-manufacturing plant manager	<b>94111</b> plastics-blending machine tender
<b>94212</b> plastic reproduction layup worker	<b>94111</b> plastics-moulding machine operator
<b>94212</b> plastic sheet finisher	<b>94111</b> plastics-moulding machine setter
<b>73401</b> plastic sheet offset press operator	<b>94111</b> plastic-spreading machine operator
<b>94212</b> plastic sign trimmer and assembler	<b>72400</b> plastics-processing equipment mechanic
<b>31101</b> plastic surgeon	<b>94111</b> plastics-processing machine setter
<b>31101</b> plastic surgery specialist	<b>92013</b> plastics-processing shop foreman/woman
<b>94212</b> plastic tank assembler	<b>92013</b> plastics-processing shop supervisor
<b>94212</b> plastic template builder	<b>94105</b> plate burner - metal fabrication
<b>94212</b> plastic toy assembler	<b>94212</b> plate changer - plastic manufacturing
<b>94111</b> plastic windshield processor	<b>14100</b> plate filing clerk
<b>94111</b> plasticator operator	<b>94151</b> plate finisher - printing
<b>94111</b> plastic-extrusion operator	<b>75110</b> plate fitter helper - construction
<b>94111</b> plastic-fibre-extruding machine tender	<b>73111</b> plate glass installer
<b>94111</b> plastic-film extrusion machine operator	<b>94151</b> plate grainer - printing
<b>95109</b> plastic-packing machine tender	<b>95101</b> plate grinder - metal products manufacturing
<b>94111</b> plastic-pipe production machine operator	<b>94151</b> plate processor - printing
<b>94111</b> plastic-pipe-extruder operator	<b>94151</b> plate processor operator - printing
<b>94111</b> plastics and plastic products compounder	<b>94100</b> plate roller - primary metal processing
<b>21101</b> plastics and resins chemist	<b>94100</b> plate rolling mill operator - primary metal processing
<b>22100</b> plastics and synthetic resins technician	<b>94105</b> plate shear operator - metal fabrication
<b>94212</b> plastics assembler	<b>72010</b> plate shop foreman/woman
<b>94212</b> plastics cementer	<b>95101</b> plate worker helper - metal products manufacturing
<b>94212</b> plastics cutter	<b>94151</b> plate-graining machine tender
<b>21320</b> plastics engineer	<b>94151</b> platemaker - printing
<b>94111</b> plastics imprinting machine tender	<b>94151</b> platemaker
<b>94212</b> plastics inspector	<b>72022</b> platemakers supervisor
<b>94212</b> plastics laminator - plastic manufacturing	<b>94151</b> platemaking etcher
<b>94111</b> plastics machine operator	<b>72022</b> platemaking supervisor - printing
<b>22302</b> plastics manufacturing technician	<b>94122</b> platen press operator - paper converting
<b>95109</b> plastics masker	<b>73401</b> platen press operator - printing
<b>94111</b> plastics moulder	<b>94152</b> platen press operator, foil stamping
<b>22302</b> plastics moulding technician	<b>73401</b> platen press tender
<b>94110</b> plastics pelletizer	<b>94205</b> plate-parting machine operator - electrical equipment manufacturing
<b>94111</b> plastics press operator	<b>62202</b> plater - jewellery manufacturing
<b>94111</b> plastics processing compounder	<b>72104</b> plater - shipbuilding
<b>92013</b> plastics shop foreman/woman	<b>95101</b> plater helper - metal fabrication
<b>94111</b> plastics strainer operator	<b>95101</b> plater helper
<b>22302</b> plastics technician	

<b>72104</b> plater	<b>72300</b> plumbing heat technician - Canadian Armed Forces
<b>72022</b> plateroom supervisor - printing	<b>22233</b> plumbing inspector
<b>72104</b> plater-welder	<b>72300</b> plumbing installer
<b>72104</b> platework fabricator and fitter	<b>72300</b> plumbing mechanic
<b>72010</b> platework fabricator supervisor	<b>94112</b> ply assembler - rubber
<b>72104</b> platework fabricator	<b>94112</b> ply splicer - rubber products manufacturing
<b>72010</b> platework fabricators foreman/woman	<b>94123</b> plywood and veneer matcher - wood processing
<b>72104</b> platework fitter	<b>94129</b> plywood and veneer patcher and repairer
<b>82021</b> platform superintendent - oil and gas drilling	<b>95103</b> plywood and veneer plant labourer
<b>94107</b> plating equipment fixture maker	<b>94219</b> plywood boat veneer layer
<b>95101</b> plating room helper	<b>94129</b> plywood bundler machine operator
<b>94213</b> plating tank operator	<b>95103</b> plywood dryer feeder
<b>41301</b> play therapist	<b>94123</b> plywood grader - wood processing
<b>52113</b> playback operator	<b>94123</b> plywood grader
<b>54100</b> playground leader	<b>92014</b> plywood inspection foreman/woman - wood processing
<b>75212</b> playground maintenance man/woman	<b>94123</b> plywood inspector - wood processing
<b>54100</b> playground worker	<b>94123</b> plywood inspector
<b>51111</b> playwright	<b>92014</b> plywood making foreman/woman
<b>60020</b> pleasure boat dealer	<b>94129</b> plywood panel assembler
<b>65320</b> pleat finisher - laundry and dry cleaning	<b>94129</b> plywood panel groover operator - wood processing
<b>65320</b> pleat presser - laundry and dry cleaning	<b>94129</b> plywood patcher machine operator
<b>94130</b> pleater - textile manufacturing	<b>94129</b> plywood press operator
<b>94219</b> pleating machine tender - garment manufacturing	<b>94129</b> plywood-sizing saw tender - wood processing
<b>94212</b> Plexiglas assembler	<b>75110</b> pneumatic drill operator - construction
<b>94212</b> Plexiglas former	<b>75110</b> pneumatic hammer operator - construction
<b>94110</b> plodder operator	<b>73209</b> pneumatic tool repairer
<b>94140</b> plug maker - tobacco processing	<b>73209</b> pneumatic tube repairer
<b>94140</b> plug-cutting machine tender - tobacco processing	<b>73209</b> pneumatic unit tester and repairer
<b>95100</b> plugger - primary metal processing	<b>31100</b> pneumologist
<b>72300</b> plumber - pipefitting	<b>94150</b> pochoir silk-screen printing machine operator
<b>72300</b> plumber apprentice	<b>95109</b> pocket marker - garment manufacturing
<b>72012</b> plumber foreman/woman	<b>94132</b> pocket setter
<b>75110</b> plumber helper	<b>94107</b> pocketed spring machine tender
<b>72300</b> plumber	<b>95109</b> pocket-folding machine feeder-loader - printing
<b>72012</b> plumbers supervisor	<b>30010</b> podiatric clinic manager
<b>72012</b> plumbing and heating contractor	<b>31209</b> podiatrist
<b>62100</b> plumbing and heating services sales representative	<b>51111</b> poet
<b>72012</b> plumbing contractor	<b>11201</b> point of sale system manager
<b>22303</b> plumbing estimator - construction	<b>94100</b> pointer operator - primary metal processing

<b>64321</b> poker croupier	<b>95109</b> polisher - shoe manufacturer
<b>53200</b> poker player	<b>94130</b> polisher - textile fibre
<b>53124</b> poker-work artisan	<b>94107</b> polishing machine operator - metal products
<b>84110</b> pole cutter	<b>94212</b> polishing machine operator - plastic manufacturing
<b>75101</b> pole distributor operator	<b>33109</b> polishing pad moulder
<b>94124</b> pole framer - wood products	<b>51113</b> political analyst - radio or television
<b>94123</b> pole inspector - wood processing	<b>52120</b> political caricaturist
<b>94203</b> pole shoe assembler - industrial electrical equipment	<b>52120</b> political cartoonist
<b>75101</b> pole stacker operator	<b>51113</b> political columnist
<b>94130</b> poler - textile manufacturing	<b>41409</b> political geographer
<b>95104</b> pole-up man/woman - rubber products manufacturing	<b>41409</b> political historian
<b>42100</b> police cadet	<b>00013</b> political organization general manager
<b>40040</b> police captain	<b>40030</b> political organization manager
<b>40040</b> police chief - regional operations	<b>41403</b> political organizer
<b>40040</b> police chief	<b>00013</b> political party president
<b>41210</b> police college teacher	<b>51113</b> political reporter
<b>42100</b> police constable	<b>41200</b> political science professor - university
<b>42100</b> police corporal	<b>41409</b> political scientist
<b>14404</b> police department dispatcher	<b>41409</b> politician
<b>42100</b> police diver - salvage	<b>14110</b> poll clerk
<b>42100</b> police diver	<b>41403</b> pollster
<b>40040</b> police force inspector	<b>21300</b> pollution control engineer
<b>40040</b> police inspector	<b>21120</b> pollution control inspector
<b>41210</b> police instructor	<b>22300</b> pollution control technician
<b>41310</b> police investigator	<b>64410</b> polygraph examiner
<b>40040</b> police lieutenant	<b>64410</b> polygraph operator
<b>42100</b> police officer	<b>64410</b> polygraphist
<b>53110</b> police photographer	<b>21101</b> polymer chemist
<b>42100</b> police sergeant	<b>21320</b> polymer engineer
<b>40040</b> police staff inspector	<b>93101</b> polymerization kettle operator
<b>14100</b> police station clerk	<b>93101</b> polymerization unit operator
<b>40040</b> police superintendent	<b>22100</b> polymers tester
<b>42100</b> policeman/woman	<b>32103</b> polysomnographic technologist
<b>40012</b> policy and planning director - education programs	<b>82010</b> pond foreman/woman
<b>14201</b> policy change clerk - insurance	<b>85120</b> pondman/woman
<b>14201</b> policy clerk - insurance	<b>65211</b> pony ride operator
<b>41404</b> policy development officer - nursing homes	<b>41406</b> pool activities coordinator
<b>14201</b> policy information clerk - insurance	<b>72014</b> pool and patio contractor
<b>94103</b> polisher - concrete, clay and stone products	<b>54100</b> pool coordinator - recreation
	<b>73200</b> pool equipment installer

<b>54100</b> pool lifeguard	<b>74101</b> postal carrier
<b>65211</b> pool parlour attendant	<b>74102</b> postal clerk - Canadian Armed Forces
<b>62029</b> pool parlour supervisor	<b>74100</b> postal clerk - mail and parcel sorting
<b>73200</b> pool service routeman/woman	<b>64401</b> postal clerk - retail services
<b>73200</b> pool servicer	<b>72025</b> postal clerks supervisor
<b>51122</b> pop singer	<b>64401</b> postal counter clerk
<b>94140</b> popcorn candy maker	<b>64410</b> postal inspection officer
<b>95106</b> popcorn maker - food and beverage processing	<b>74101</b> postal service deliverer
<b>65201</b> popcorn vendor	<b>64410</b> postal service inspector
<b>21110</b> population geneticist	<b>64101</b> postal services commercial sales representative
<b>95109</b> porcelain enamel products cleaner	<b>64401</b> postal services wicket clerk
<b>95100</b> porcelain glazer - mineral products manufacturing	<b>72025</b> postal station employees supervisor
<b>95109</b> porcelain products cleaner	<b>70021</b> postal station superintendent
<b>65202</b> pork cutter - retail or wholesale	<b>72025</b> postal station supervisor
<b>94143</b> pork grader	<b>64401</b> postal wicket clerk
<b>84120</b> pork production technician apprentice	<b>74101</b> postal worker
<b>84120</b> pork production technician	<b>72025</b> postal workers supervisor
<b>70020</b> port captain - water transport	<b>70021</b> postal zone facilities manager
<b>70012</b> port director	<b>70021</b> postal zone manager
<b>65210</b> port redcap	<b>41200</b> postdoctoral fellow
<b>21203</b> port surveyor	<b>52120</b> poster artist
<b>72421</b> portable appliance repairman/woman	<b>52111</b> poster layout designer
<b>95109</b> portable diamond drill and saw operator helper	<b>52111</b> poster painter
<b>94103</b> portable diamond drill and saw operator	<b>72025</b> postmaster/mistress
<b>72421</b> portable electric household appliance repairer	<b>33109</b> post-mortem attendant
<b>94202</b> portable electrical appliance assembler	<b>52113</b> postproduction technician
<b>94124</b> portable machine sander tender - woodworking	<b>40012</b> post-secondary education director - public administration
<b>94124</b> portable sawer - woodworking	<b>40012</b> post-secondary education director
<b>72106</b> portable spot welder	<b>41201</b> post-secondary research assistant
<b>11101</b> portfolio manager	<b>41201</b> post-secondary teaching assistant
<b>53122</b> portrait painter	<b>42204</b> postulant
<b>53110</b> portrait photographer	<b>83121</b> pot fisherman/woman
<b>11200</b> position classifier	<b>94100</b> pot liner - metal processing
<b>32121</b> positron-emission tomography (PET) technologist	<b>92010</b> pot room foreman/woman - primary metal and mineral products processing
<b>84110</b> post cutter	<b>92010</b> pot room foreman/woman - primary metal processing
<b>75110</b> post hole driller	<b>94100</b> pot tender - primary metal processing
<b>64401</b> post office clerk	<b>65201</b> pot washer
<b>70021</b> post office manager	<b>83100</b> potash miner
<b>70021</b> postal area manager	<b>94140</b> potato chip machine operator

<b>95106</b> potato chip sorter	<b>94141</b> poultry hanger
<b>80020</b> potato farmer	<b>22111</b> poultry inspector
<b>80020</b> potato grower	<b>82030</b> poultry operation supervisor
<b>80020</b> potato producer	<b>95106</b> poultry packager
<b>95106</b> potato-peeling machine tender	<b>94141</b> poultry plucker tender
<b>95100</b> potlining mixer helper - primary metal processing	<b>94141</b> poultry plucker
<b>53124</b> potter	<b>94141</b> poultry preparer
<b>94103</b> pottery and porcelain chipper	<b>92012</b> poultry preparers foreman/woman
<b>94103</b> pottery and porcelain former - clay products	<b>80020</b> poultry producer
<b>94103</b> pottery and porcelain grinder	<b>21110</b> poultry scientist
<b>94103</b> pottery and porcelain polisher	<b>94141</b> poultry slaughterer - food and beverage processing
<b>94103</b> pottery and porcelain presser	<b>22110</b> poultry technician
<b>94103</b> pottery and porcelain sagger maker	<b>22110</b> poultry technologist
<b>94103</b> pottery and porcelain sander	<b>31103</b> poultry veterinarian
<b>94103</b> pottery and porcelain turner - clay products	<b>94141</b> poultry worker - meat packing plant
<b>94103</b> pottery and porcelain ware caster	<b>85100</b> poultry yard cleaner
<b>94104</b> pottery and porcelain ware inspector	<b>82030</b> poultry-hatching services contractor
<b>53123</b> pottery designer	<b>94219</b> pouncer - hat manufacturing
<b>94103</b> pottery dryer - clay products	<b>65220</b> pound animal attendant
<b>94103</b> pottery model maker	<b>65220</b> pound attendant
<b>94103</b> pottery mould maker	<b>83121</b> pound net fisherman/woman
<b>94103</b> pottery trimmer	<b>43202</b> pound officer
<b>94140</b> pouch line operator - food processing	<b>94100</b> pourer - metal processing
<b>94141</b> poultry boner	<b>41403</b> poverty researcher
<b>80020</b> poultry breeder - egg production	<b>94110</b> powder blender - chemical processing
<b>80020</b> poultry breeder	<b>85110</b> powder carrier - underground mining
<b>94141</b> poultry butcher - meat packing plant	<b>94213</b> powder coater
<b>95106</b> poultry cooler worker - food and beverage processing	<b>14401</b> powder keeper
<b>94141</b> poultry dresser	<b>95100</b> powdered metal mixer - primary metal processing
<b>92012</b> poultry eviscerating foreman/woman	<b>95100</b> powdered metal salvager - primary metal processing
<b>94141</b> poultry eviscerator	<b>94140</b> powdered milk dryer operator
<b>82030</b> poultry farm foreman/woman	<b>83100</b> powderman/woman - underground mining
<b>85100</b> poultry farm labourer	<b>94105</b> power brake operator - metal fabrication
<b>80020</b> poultry farm manager	<b>75210</b> power cable ferry operator
<b>85100</b> poultry farm worker	<b>75119</b> power cable system installer helper
<b>80020</b> poultry farmer - egg production	<b>92100</b> power control room operator - electrical power systems
<b>94143</b> poultry grader	<b>72500</b> power crane operator
<b>92012</b> poultry graders foreman/woman	<b>75110</b> power curber tender
<b>92012</b> poultry graders supervisor	

<b>92100</b> power dispatcher - electrical power systems	<b>94105</b> power press operator - metal products manufacturing
<b>92100</b> power dispatcher - generating station	<b>94105</b> power press operator
<b>92100</b> power dispatcher	<b>94105</b> power press set-up operator - metal fabrication
<b>72202</b> power electrician	<b>92100</b> power reactor operator - electrical power systems
<b>92100</b> power engineer apprentice	<b>94124</b> power saw operator - woodworking
<b>92011</b> power engineer foreman/woman	<b>94219</b> power screwdriver operator
<b>92100</b> power engineer	<b>94105</b> power shear operator - metal fabrication
<b>22301</b> power equipment design technician	<b>94105</b> power shear tender - metal fabrication
<b>21301</b> power generation engineer	<b>72401</b> power shovel mechanic
<b>73400</b> power grader operator	<b>75110</b> power shovel operator helper
<b>95101</b> power hammer helper - metal fabrication	<b>73400</b> power shovel operator
<b>94105</b> power hammer operator - metal forging	<b>94204</b> power snowblower assembler
<b>94204</b> power lawn mower assembler	<b>72202</b> power station electrician - electrical power system
<b>72600</b> power line air patrol pilot	<b>72202</b> power station electrician
<b>72011</b> power line and cable workers foreman/woman	<b>92100</b> power station operator - electrical power systems
<b>72203</b> power line maintainer - electric power systems	<b>92011</b> power station operators foreman/woman
<b>72011</b> power line maintenance workers front line supervisor	<b>92011</b> power station shift supervisor
<b>72203</b> power line patroller	<b>92011</b> power station supervisor
<b>72011</b> power line repair foreman/woman	<b>92100</b> power substation operator
<b>72203</b> power line repairer - electric power systems	<b>74205</b> power sweeper operator - public works
<b>72011</b> power line repairers foreman/woman	<b>93101</b> power switchboard operator - chemical
<b>72011</b> power line service foreman/woman	<b>92100</b> power switchboard operator - electrical power systems
<b>72011</b> power line technician foreman/woman	<b>92100</b> power switchboard operator apprentice - electrical power systems
<b>72203</b> power lineman/woman - electricity production and transmission	<b>72202</b> power system electrician
<b>72203</b> power lineman/woman	<b>72011</b> power system electricians supervisor
<b>72011</b> power linemen/women and cable installers supervisor	<b>92100</b> power system operator - offshore drilling
<b>94131</b> power loom weaver	<b>92100</b> power system operator
<b>93200</b> power plant assembler - aircraft assembly	<b>72011</b> power systems electricians foreman/woman
<b>92011</b> power plant chief substation operator	<b>72011</b> power systems electricians supervisor
<b>21301</b> power plant engineer	<b>72421</b> power tool repairer
<b>92011</b> power plant foreman/woman	<b>94203</b> power transformer assembler
<b>93200</b> power plant installation mechanic - aircraft assembly	<b>94203</b> power transformer core builder
<b>93200</b> power plant mechanic - aircraft assembly	<b>72422</b> power transformer repairer
<b>92100</b> power plant operator - electrical power systems	<b>72422</b> power transformer repairman/woman
<b>92100</b> power plant operator	<b>92023</b> power transmission assembly foreman/woman
<b>92100</b> power plant stationary engineer	<b>75101</b> power truck driver - material handling
<b>74204</b> power pole inspector	
<b>94105</b> power press operator - metal fabrication	



<b>75119</b> powered-machine or towed-machine repairer helper - construction	<b>94106</b> precision lapper - metal machining
<b>72202</b> powerhouse electrician - electrical power system	<b>94106</b> precision lathe operator - metal machining
<b>75119</b> powerhouse electrician helper	<b>94219</b> precision lens edger - non-prescription
<b>95102</b> powerhouse helper	<b>94219</b> precision lens grinder - non-prescription
<b>72400</b> powerhouse machinery mechanic	<b>94219</b> precision lens polisher - non-prescription
<b>75119</b> powerhouse mechanical repairer helper	<b>72100</b> precision machinist
<b>75119</b> powerhouse oiler	<b>94219</b> precision optical lens polisher - non-prescription
<b>92100</b> powerhouse operator	<b>72102</b> precision sheet metal fabricator
<b>72203</b> powerline technician	<b>72102</b> precision sheet metal mechanic
<b>84101</b> power-tong operator	<b>72102</b> precision sheet metal worker
<b>41220</b> practical and applied arts teacher	<b>21300</b> precision survey engineer
<b>83121</b> prawn fisherman/woman	<b>72101</b> precision tool maker
<b>41302</b> preacher	<b>72106</b> precision welder
<b>64410</b> preboarding security guard	<b>84111</b> precommercial tree thinner
<b>75110</b> precast concrete caulker	<b>94140</b> precooked sausage maker
<b>72105</b> precast concrete erector	<b>92024</b> prefab house assembly foreman/woman
<b>73100</b> precast concrete finisher	<b>92024</b> prefab housing assembler foreman/woman
<b>94103</b> precast concrete moulder	<b>94211</b> prefab housing assembler
<b>94103</b> precast concrete slab maker	<b>92024</b> prefab housing assembly foreman/woman
<b>92010</b> precast concrete working foreman/woman	<b>72310</b> prefabricated house carpenter
<b>94103</b> precast terrazzo maker	<b>94211</b> prefabricated housing assembler
<b>22101</b> precious metal assayer	<b>92024</b> prefabricated joinery assemblers foreman/woman - wood products manufacturing
<b>94100</b> precious metal recoverer	<b>92024</b> prefabricated joinery assembly foreman/woman - wood products manufacturing
<b>40040</b> precious metals theft inspector - police	<b>92024</b> prefabricated joinery assembly supervisor
<b>62202</b> precious stone setter	<b>72310</b> prefabricated structure carpenter
<b>95100</b> precipitator helper - primary metal processing	<b>72404</b> preflight mechanic
<b>94110</b> precipitator operator - chemical processing	<b>94151</b> pre-flight operator - printing
<b>94100</b> precipitator tender - primary metal processing	<b>94111</b> preform machine tender - plastic manufacturing
<b>94106</b> precision grinder operator - metal machining	<b>75110</b> preheater tender - pipelines
<b>94106</b> precision grinder set-up operator	<b>13100</b> preliminary press planner
<b>94106</b> precision honing machine operator - metal machining	<b>00010</b> premier
<b>92024</b> precision instrument and related equipment assembly foreman/woman	<b>41407</b> Premier's Office officer (provincial government)
<b>94201</b> precision instrument assembler - electronic equipment manufacturing	<b>14201</b> premium rater - insurance
<b>94219</b> precision instrument assembly inspector	<b>94213</b> prep line attendant - bulk galvanizing
<b>72010</b> precision instrument machine shop foreman/woman	<b>92015</b> preparation department foreman/woman - textiles
<b>22312</b> precision instrument mechanic	<b>63221</b> preparation upholsterer
<b>22313</b> precision instrument technician - avionics	<b>53100</b> preparator
	<b>72022</b> preparatory supervisor - printing
	<b>94130</b> prepared hide and pelt dresser

<b>13100</b> prepress planner - publishing	<b>94205</b> press operator - electrical equipment manufacturing
<b>72022</b> prepress supervisor - printing	<b>94140</b> press operator - food and beverage processing
<b>94151</b> prepress technician	<b>94111</b> press operator - plastic manufacturing
<b>72022</b> prepress workers supervisor	<b>73401</b> press operator - printing
<b>94151</b> preprint-coating machine tender	<b>94112</b> press operator - rubber products manufacturing
<b>14112</b> preproduction operator	<b>94140</b> press operator - tobacco processing
<b>41301</b> preretirement counsellor	<b>95109</b> press paper feeder - printing
<b>41302</b> presbyter	<b>14301</b> press reader
<b>40030</b> preschool centre director	<b>51113</b> press reporter
<b>42202</b> preschool helper	<b>11202</b> press secretary
<b>40030</b> preschool program director	<b>72022</b> press supervisor - printing
<b>42202</b> preschool supervisor	<b>94205</b> press tender - electrical equipment manufacturing
<b>52119</b> presentation coordinator - broadcasting	<b>94105</b> press tender - pierce and shave
<b>94133</b> preshrinking process tester - textiles	<b>94140</b> presser - food and beverage processing
<b>00012</b> president - financial, communications and other business services	<b>65320</b> presser - laundry and dry cleaning
<b>00015</b> president - goods production, utilities, transportation and construction	<b>94112</b> presser - rubber products manufacturing
<b>00011</b> president - government services	<b>94130</b> presser-threader - textile manufacturing
<b>00013</b> president - health, education, social and community services and membership organizations	<b>95109</b> pressing machine feeder - garment manufacturing
<b>00014</b> president - trade, broadcasting and other services	<b>65320</b> pressing machine tender - laundry and dry cleaning
<b>00012</b> president and chief executive officer - financial, communications and other business services	<b>73401</b> pressman/woman - printing
<b>00012</b> president and chief executive officer	<b>95109</b> pressroom floor attendant - printing
<b>00014</b> president and director - trade, broadcasting and other services	<b>72022</b> pressroom foreman/woman - printing
<b>00013</b> president and general manager - health, education, social and community services and membership organizations	<b>72022</b> pressroom supervisor - printing
<b>00014</b> president and general manager - trade, broadcasting and other services	<b>93200</b> pressure compartment sealer and tester - aircraft assembly
<b>42200</b> presiding justice of the peace	<b>73209</b> pressure control calibrator
<b>53202</b> presiding steward - racetrack	<b>94140</b> pressure cooker operator - food and beverage processing
<b>11202</b> press agent	<b>94219</b> pressure switch inspector
<b>94105</b> press brake operator - metal products manufacturing	<b>94219</b> pressure switch tester
<b>94105</b> press brake operator	<b>22230</b> pressure tank tester
<b>14301</b> press clipper	<b>72103</b> pressure vessel boilermaker
<b>95109</b> press helper - printing	<b>72103</b> pressure vessel fabricator
<b>94112</b> press line operator - rubber products manufacturing	<b>22230</b> pressure vessel tester
	<b>72106</b> pressure vessel welder
	<b>94111</b> pressure-sensitive coater operator - plastic manufacturing
	<b>94140</b> pressurized container filler - food and beverage processing

<b>55109</b> prestidigitator	<b>40021</b> principal
<b>22233</b> pre-stressed concrete inspector	<b>94213</b> print applier - production
<b>94140</b> pretzel baker - food and beverage processing	<b>94110</b> print colour mixer - chemical processing
<b>22232</b> prevention officer - occupational health and safety	<b>94153</b> print developer
<b>33100</b> preventive dental assistant	<b>94153</b> print finisher - photographic processing
<b>72400</b> preventive maintenance mechanic technician	<b>94153</b> print inspector - photographic processing
<b>31100</b> preventive medicine physician	<b>94153</b> print retoucher - photographic processing
<b>31100</b> preventive medicine specialist	<b>94151</b> print roller repairer
<b>31103</b> preventive medicine veterinarian	<b>94153</b> print tender - photographic processing
<b>65102</b> price checker - grocery store	<b>94151</b> print transferrer - printing
<b>65102</b> price clerk - retail	<b>94201</b> printed circuit board (PCB) assembler
<b>41401</b> price economist	<b>94201</b> printed circuit board (PCB) assembly inspector
<b>64409</b> price information clerk	<b>94201</b> printed circuit board (PCB) assembly machine operator - electronic equipment manufacturing
<b>12010</b> price information clerks supervisor	<b>94201</b> printed circuit board (PCB) assembly machine operator
<b>11201</b> price management analyst	<b>94201</b> printed circuit board (PCB) etcher
<b>65102</b> price marker - supermarket	<b>92021</b> printed circuit board (PCB) fabrication foreman/woman - electronic equipment manufacturing
<b>62010</b> price marker supervisor - retail	<b>94201</b> printed circuit board (PCB) fabrication inspector
<b>41302</b> priest	<b>94201</b> printed circuit board (PCB) fabrication machine operator
<b>31301</b> primary care nurse	<b>92021</b> printed circuit board (PCB) fabrication supervisor - electronic equipment manufacturing
<b>32102</b> primary care paramedic	<b>94201</b> printed circuit board (PCB) in-circuit machine and repairing machine operator
<b>31102</b> primary care physician	<b>94201</b> printed circuit board (PCB) in-circuit test machine and repair operator
<b>70012</b> primary grain elevator manager	<b>94201</b> printed circuit board (PCB) inspector and tester - electronic equipment manufacturing
<b>31302</b> primary health care nurse practitioner	<b>94201</b> printed circuit board (PCB) inspector
<b>92010</b> primary metal and mineral products processing foreman/woman	<b>94150</b> printer operator - printing
<b>92010</b> primary metal and mineral products processing supervisor	<b>72020</b> printer repairers foreman/woman
<b>95100</b> primary metal processing labourer	<b>73401</b> printer
<b>31301</b> primary nurse	<b>72022</b> printers foreman/woman
<b>41221</b> primary school teacher	<b>72022</b> printers supervisor
<b>43201</b> primary worker - correctional service	<b>94150</b> printer-slotter operator
<b>43201</b> primary worker/kimisinaw - correctional service	<b>94150</b> printer-slotter tender
<b>00010</b> prime minister	<b>94151</b> printing cylinder engraver
<b>41407</b> Prime Minister's Office officer (federal government)	<b>92023</b> printing equipment assembly foreman/woman
<b>94213</b> primer sprayer	<b>72020</b> printing machine mechanics foreman/woman
<b>94219</b> primer-inserting machine tender	<b>94150</b> printing machine operator - printing
<b>40019</b> principal clerk of legislative committees	
<b>40019</b> Principal Clerk of the House of Commons	
<b>40019</b> Principal Clerk of the Legislative Assembly	
<b>22303</b> principal estimator - construction	

<b>94130</b> printing machine operator - textile manufacturing	<b>72205</b> private branch exchange (PBX) and private automatic branch exchange (PABX) inspector - telecommunications
<b>72020</b> printing machine repair foreman/woman	<b>72205</b> private branch exchange (PBX) and private automatic branch exchange (PABX) installer - telecommunications
<b>72020</b> printing machine repairers foreman/woman	<b>72205</b> private branch exchange (PBX) and private automatic branch exchange (PABX) installer and repairer - telecommunications
<b>72400</b> printing machinery mechanic	<b>72205</b> private branch exchange (PBX) and private automatic branch exchange (PABX) installer and repairer - telecommunications
<b>62100</b> printing machinery sales representative	<b>72205</b> private branch exchange (PBX) and private automatic branch exchange (PABX) repairer - telecommunications
<b>62100</b> printing management technician	<b>72205</b> private branch exchange (PBX) inspector - telecommunications
<b>90010</b> printing manager	<b>72205</b> private branch exchange (PBX) installer - telecommunications
<b>90010</b> printing plant manager	<b>72205</b> private branch exchange (PBX) installer - telecommunications
<b>94151</b> printing plate engraver	<b>72205</b> private branch exchange (PBX) repairer - telecommunications
<b>94151</b> printing plate moulder	<b>31301</b> private care nurse
<b>94151</b> printing plate presensitizer tender	<b>75200</b> private chauffeur
<b>14403</b> printing plates order clerk	<b>64410</b> private detective
<b>72020</b> printing press and machine mechanics foreman/woman	<b>31301</b> private duty nurse
<b>73401</b> printing press assistant operator	<b>75200</b> private household chauffeur
<b>95109</b> printing press feeder	<b>10029</b> private investigation and security service manager
<b>72100</b> printing press machinist	<b>64410</b> private investigator
<b>73401</b> printing press operator	<b>64410</b> private investigators supervisor
<b>72022</b> printing press operators supervisor	<b>21111</b> private lands forester
<b>94111</b> printing roller moulder - plastic manufacturing	<b>40021</b> private primary college principal
<b>64101</b> printing services sales representative	<b>44200</b> private recruit - Canadian Army
<b>72022</b> printing shop foreman/woman	<b>40021</b> private school headmaster/mistress
<b>72022</b> printing supervisor	<b>40021</b> private school principal
<b>62100</b> printing supplies salesperson	<b>13110</b> private secretary
<b>73401</b> printing technologist	<b>64410</b> private security officer
<b>41210</b> printing technology teacher - general and vocational college (CEGEP)	<b>41220</b> private teacher - secondary school
<b>94106</b> printing-roller finisher	<b>40020</b> private vocational school director
<b>94106</b> printing-roller grinder	<b>41407</b> Privy Council Office officer
<b>94106</b> printing-roller polisher	<b>53200</b> prize fighter
<b>53122</b> printmaker - visual arts	<b>41100</b> probate court judge
<b>53122</b> printmaking teacher	<b>41311</b> probation and parole officer
<b>74101</b> priority post carrier	<b>41311</b> probation officer
<b>94219</b> prism maker operator	<b>94100</b> process assistant - zinc pressure leach
<b>94219</b> prism maker	<b>94151</b> process camera operator
<b>43201</b> prison guard	<b>94140</b> process cheese cooker
<b>43201</b> prison officer	<b>94140</b> process cheese formulator
<b>40030</b> prison warden	
<b>13100</b> privacy officer	
<b>44200</b> private - Canadian Army	
<b>43200</b> private bailiff	

<b>94143</b> process control checker - food and beverage processing	<b>62101</b> produce buyer
<b>21101</b> process control chemist	<b>65102</b> produce clerk
<b>22312</b> process control equipment mechanic	<b>62010</b> produce department supervisor
<b>22312</b> process control equipment repairer	<b>94143</b> produce grader - food and beverage processing
<b>22312</b> process control equipment service technician	<b>22111</b> produce inspector
<b>94140</b> process control operator - food and beverage processing	<b>60020</b> produce manager - retail
<b>93101</b> process control system operator	<b>14400</b> produce shipper
<b>94201</b> process inspector - electronic equipment manufacturing	<b>51120</b> producer - performing arts
<b>21310</b> process instrumentation engineer	<b>51120</b> producer-director
<b>94140</b> process operator - food and beverage processing	<b>22211</b> product designer
<b>93100</b> process operator - primary metal and mineral products processing	<b>94210</b> product inspector - furniture manufacturing
<b>93100</b> process operator - zinc pressure leach	<b>94213</b> product lacquer-sprayer
<b>22212</b> process piping draftsperson	<b>90010</b> product line manager
<b>43200</b> process server	<b>11202</b> product manager - marketing
<b>93101</b> process technician - chemical processing	<b>60010</b> product manager
<b>94201</b> process technician - electronic equipment manufacturing	<b>95109</b> product marker
<b>94201</b> process tester - electronic equipment manufacturing	<b>94213</b> product painter
<b>94121</b> processed paper rewinder	<b>94213</b> product spray painter
<b>14112</b> processing and output compositor	<b>94213</b> product stainer
<b>72020</b> processing and packaging equipment maintenance foreman/woman	<b>94213</b> product surface preparer and prefinisher
<b>72020</b> processing and packaging equipment maintenance supervisor	<b>94143</b> product tester - food and beverage processing
<b>95109</b> processing equipment cleaner	<b>94219</b> product trimmer
<b>93101</b> processing laboratory operator	<b>11100</b> production accountant
<b>93101</b> processing operator - chemical processing	<b>14402</b> production agent
<b>72400</b> processing plant mechanic	<b>22302</b> production and quality control technologist
<b>94202</b> process-inspector and tester - electrical equipment manufacturing	<b>94202</b> production assembler - electrical equipment manufacturing
<b>94151</b> processor - printing	<b>53111</b> production assistant - motion pictures and broadcasting
<b>31100</b> proctologist	<b>53111</b> production assistant
<b>14403</b> procurement clerk	<b>94213</b> production brush painter
<b>10012</b> procurement director	<b>21320</b> production chemical engineer
<b>10012</b> procurement manager	<b>90010</b> production chief
<b>12102</b> procurement officer	<b>14402</b> production clerk
<b>10012</b> procurement operations director	<b>12013</b> production clerks supervisor
<b>12102</b> procurement specialist	<b>94213</b> production coating machine operator
	<b>14402</b> production control clerk
	<b>70021</b> production control manager - postal service
	<b>14402</b> production control officer
	<b>22302</b> production control technologist
	<b>13201</b> production controller

<b>82021</b> production coordinator - energy	<b>92020</b> production line foreman/woman - motor vehicle manufacturing
<b>52119</b> production coordinator - motion pictures, broadcasting and performing arts	<b>94205</b> production line setter and servicer - electrical equipment manufacturing
<b>52119</b> production coordinator - radiobroadcasting	<b>72106</b> production line solderer
<b>52119</b> production coordinator - video games	<b>72106</b> production line spot welder
<b>52119</b> production coordinator - visual effects	<b>94205</b> production line storage battery repairer - electrical equipment manufacturing
<b>13201</b> production coordinator	<b>72106</b> production line welder
<b>95104</b> production day labourer - tire industry	<b>83100</b> production loader operator
<b>51120</b> production designer - motion pictures, broadcasting and performing arts	<b>94205</b> production machine operator - electrical equipment manufacturing
<b>51120</b> production director - motion picture	<b>94205</b> production machine set-up operator - electrical appliance and equipment manufacturing
<b>83100</b> production driller	<b>72010</b> production machine shop foreman/woman
<b>51110</b> production editor	<b>94106</b> production machine tool operator
<b>94213</b> production electroplater	<b>72020</b> production machinery maintenance foreman/woman
<b>21321</b> production engineer	<b>72020</b> production machinery maintenance mechanic supervisor
<b>20010</b> production engineering manager	<b>72400</b> production machinery maintenance mechanic
<b>72405</b> production equipment fitter	<b>72020</b> production machinery maintenance mechanics foreman/woman
<b>72020</b> production equipment maintenance mechanic supervisor	<b>72400</b> production machinery mechanic
<b>12201</b> production examiner	<b>80010</b> production manager - coal mining
<b>13201</b> production expediter	<b>90010</b> production manager - manufacturing
<b>92021</b> production foreman/woman - electronics manufacturing	<b>90010</b> production manager - printing
<b>92015</b> production foreman/woman - fabric, fur and leather products manufacturing	<b>10030</b> production manager - telecommunications
<b>92015</b> production foreman/woman - fur products manufacturing	<b>14402</b> production material estimator
<b>82020</b> production foreman/woman - mining and quarrying	<b>72400</b> production mechanic
<b>00015</b> production general manager - goods production, utilities, transportation and construction	<b>94106</b> production metal grinder operator
<b>90010</b> production head	<b>83100</b> production miner
<b>95106</b> production helper - food and beverage processing	<b>14402</b> production officer
<b>95101</b> production helper - metal coating	<b>90010</b> production operations manager
<b>95100</b> production helper - primary metal and mineral products processing	<b>93101</b> production operator - chemical processing
<b>95106</b> production helper	<b>94201</b> production operator - electronic equipment manufacturing
<b>72106</b> production induction brazier	<b>94200</b> production operator - motor vehicle manufacturing
<b>95106</b> production labourer - food processing	<b>94112</b> production operator - rubber products manufacturing
<b>94205</b> production line battery repairer - electrical equipment manufacturing	<b>95109</b> production painter helper
<b>94202</b> production line electrical appliance repairer	<b>94213</b> production painter
	<b>94213</b> production painter-finisher

<b>90010</b> production planner	<b>53200</b> professional athlete
<b>12013</b> production planning clerks supervisor	<b>53201</b> professional athletes team coach
<b>90010</b> production planning coordinator	<b>50012</b> professional athletes team manager
<b>90010</b> production planning manager	<b>53200</b> professional boxer
<b>22302</b> production planning technician	<b>40010</b> professional development and employment district director - government services
<b>13201</b> production scheduler	<b>40010</b> professional development director - government services
<b>90010</b> production senior coordinator	<b>31121</b> professional dietitian (P.Dt.)
<b>52113</b> production sound recordist	<b>22303</b> professional estimator - construction
<b>72106</b> production spot welder	<b>50012</b> professional football team manager
<b>90010</b> production superintendent	<b>21111</b> professional forester
<b>92024</b> production supervisor - assembly	<b>54100</b> professional golf instructor
<b>92012</b> production supervisor - cannabis processing	<b>50012</b> professional hockey team manager
<b>92024</b> production supervisor - consumer products	<b>64201</b> professional image consultant
<b>92021</b> production supervisor - electronics manufacturing	<b>21203</b> professional land surveyor
<b>92012</b> production supervisor - food and beverage processing	<b>31121</b> professional nutritionist
<b>82010</b> production supervisor - logging	<b>53200</b> professional pool player
<b>72010</b> production supervisor - machine shop	<b>22303</b> professional quantity surveyor
<b>92024</b> production supervisor - machining	<b>10029</b> professional services manager - business services
<b>72022</b> production supervisor - printing	<b>50012</b> professional sport team general manager
<b>22310</b> production support technician - electronics manufacturing	<b>50012</b> professional sport team manager
<b>52112</b> production switcher	<b>00014</b> professional sports club chief financial officer (CFO)
<b>52119</b> production technician - motion pictures, broadcasting and performing arts	<b>53201</b> professional sports scout
<b>22100</b> production technician - pharmaceuticals	<b>53201</b> professional sports team coach
<b>22302</b> production technologist - sawmill	<b>53200</b> professional sportsman/woman
<b>94201</b> production tester - electronic equipment manufacturing	<b>53201</b> professional team coach
<b>83101</b> production testing operator - oil and gas well drilling	<b>54100</b> professional tennis instructor
<b>72400</b> production tooling maintenance mechanic	<b>50012</b> professional track and field team general manager
<b>72400</b> production tooling mechanic	<b>50012</b> professional track and field team manager
<b>94213</b> production touch-up painter	<b>41210</b> professional training instructor
<b>84101</b> production tubing operator - oil field services	<b>73300</b> professional truck driver
<b>63221</b> production upholsterer	<b>41200</b> professor emeritus - university
<b>95109</b> production weigher	<b>41200</b> professor of computer science - university
<b>72106</b> production welder	<b>41200</b> professor of medicine - university
<b>94210</b> production worker - furniture manufacturing	<b>94111</b> profile extrusion operator
<b>12102</b> products administrator	<b>94111</b> profile extrusion processing operator
<b>21112</b> professional agrologist (P.Ag.)	<b>94111</b> profile extrusion set-up operator
<b>00013</b> professional association executive director	<b>94106</b> profile milling machine operator - metal machining

<b>94219</b> profile saw operator - jewellery	<b>94219</b> projector assembly inspector
<b>94124</b> profile shaper operator - woodworking	<b>11202</b> promotion strategies consultant
<b>94219</b> profile trimmer - jewellery	<b>65109</b> promotions demonstrator
<b>94132</b> profile-pocket sewing machine operator	<b>10022</b> promotions manager
<b>94106</b> profiling machine operator - metal machining	<b>53111</b> prompter
<b>14100</b> program and service delivery clerk - government services	<b>14201</b> proof clerk - financial sector
<b>43100</b> program assistant - education	<b>73401</b> proof press operator - printing
<b>52119</b> program coordinator - broadcasting	<b>73401</b> proof press operator
<b>41405</b> program coordinator - education	<b>73401</b> proof pressman/woman - printing
<b>41400</b> program coordinator - environmental organization	<b>64400</b> proof teller - bank
<b>40020</b> program coordinator - post-secondary education	<b>73401</b> proofer - printing
<b>41402</b> program delivery officer - business development	<b>73401</b> proofing hand - printing
<b>40012</b> program development and educational planning director - public administration	<b>73401</b> proofing press operator
<b>41405</b> program development specialist - college	<b>94151</b> proofmaker - printing
<b>51120</b> program director - broadcasting	<b>94151</b> proofmaker
<b>50011</b> program general manager - broadcasting	<b>14301</b> proofreader copy-reader
<b>41402</b> program officer - international development agency	<b>14301</b> proofreader
<b>51113</b> program researcher - radio or television	<b>94150</b> proofsheet approver - printing
<b>40012</b> program services director - education	<b>65101</b> propane gas attendant
<b>41406</b> program supervisor - sports and leisure	<b>65101</b> propane gas pump attendant
<b>51112</b> programmed-instruction writer	<b>65101</b> propane refueler
<b>21230</b> programmer analyst	<b>65101</b> propane tank attendant
<b>50011</b> programming director - broadcasting	<b>93101</b> propellant blender
<b>50011</b> programming director - television	<b>72100</b> propeller inspector - machining
<b>52119</b> programming manager	<b>93200</b> propeller mechanic - aircraft assembly
<b>40012</b> programs evaluation assistant director - education	<b>72020</b> propeller repair foreman/woman
<b>72101</b> progressive die fitter	<b>52119</b> properties custodian - stage productions or motion pictures
<b>11100</b> project accountant	<b>11100</b> property accountant
<b>13100</b> project administration officer	<b>13101</b> property acquisitions area manager
<b>21301</b> project engineer - building systems	<b>12201</b> property adjuster - insurance
<b>00015</b> project executive - construction	<b>13101</b> property administrator
<b>21111</b> project forester	<b>14201</b> property and equipment insurance clerk
<b>20011</b> project management chief - scientific affairs	<b>12203</b> property appraiser
<b>21301</b> project mechanical engineer	<b>12203</b> property assessor
<b>53111</b> projectionist	<b>14201</b> property clerk
<b>94219</b> projector assembler	<b>13101</b> property leasing coordinator
	<b>13101</b> property management agent
	<b>13101</b> property management officer
	<b>13101</b> property management operations coordinator
	<b>70012</b> property manager



<b>52119</b> property master - broadcasting	<b>14404</b> protective signal operator
<b>52119</b> property master - motion pictures, broadcasting and performing arts	<b>75119</b> protective signal servicer helper
<b>42200</b> property paralegal	<b>95109</b> protective signalling installer helper - manufacturing
<b>53111</b> property person	<b>21101</b> protein chemist
<b>13101</b> property rental agent	<b>42200</b> prothonotary
<b>13101</b> property rental coordinator	<b>41407</b> protocol officer - government services
<b>13101</b> property rentals manager	<b>41407</b> protocol officer
<b>13101</b> property section head	<b>72100</b> prototype machinist
<b>43202</b> property standards inspector	<b>21110</b> protozoologist
<b>21203</b> property surveyor	<b>21110</b> protozoology biologist
<b>12202</b> property underwriter - insurance	<b>14103</b> provincial court clerk
<b>12202</b> property underwriter	<b>41100</b> provincial court judge
<b>43202</b> property use inspector	<b>41100</b> provincial court of appeal justice
<b>12203</b> property valuator	<b>21203</b> provincial land surveyor
<b>51112</b> proposal writer	<b>41100</b> provincial supreme court justice
<b>53111</b> props handler	<b>53201</b> provincial team coach
<b>53111</b> props person	<b>31200</b> provisional psychologist
<b>21390</b> propulsion engineer - aerospace vehicles	<b>40020</b> provost - university
<b>72404</b> propulsion technician	<b>33102</b> psychiatric aide
<b>41101</b> prosecuting attorney	<b>31301</b> psychiatric and mental health nurse
<b>14103</b> prosecution clerk	<b>31301</b> psychiatric nurse
<b>41101</b> prosecutor	<b>31300</b> psychiatric nursing supervisor
<b>21102</b> prospecting geologist	<b>41300</b> psychiatric social worker
<b>22101</b> prospector	<b>31100</b> psychiatrist - Canadian Armed Forces
<b>32129</b> prosthetic aide	<b>31100</b> psychiatrist
<b>32129</b> prosthetic assistant	<b>41200</b> psychiatry professor - university
<b>32129</b> prosthetic technician	<b>65229</b> psychic consultant
<b>32129</b> prosthetic-orthotic technician	<b>65229</b> psychic reader
<b>32129</b> prosthetist assistant	<b>65229</b> psychic
<b>32129</b> prosthetist	<b>41301</b> psychoeducational consultant
<b>32129</b> prosthetist-orthotist	<b>41301</b> psychoeducator
<b>31110</b> prosthodontist	<b>41409</b> psycholinguist
<b>22112</b> protection coordinator - forestry	<b>42201</b> psychological assistant
<b>40010</b> protection services director - government services	<b>31200</b> psychological associate
<b>22310</b> protection technologist - electrical power system	<b>40030</b> psychological services director
<b>21101</b> protective coatings chemist	<b>31200</b> psychologist
<b>94219</b> protective earmuffs assembler	<b>41403</b> psychology assistant (except university)
<b>21310</b> protective relay engineer	<b>30010</b> psychology director - health care
<b>00012</b> protective services executive director	<b>41200</b> psychology professor - university

<b>12113</b> psychology research assistant (except university)	<b>21210</b> public health statistician
<b>41409</b> psychometrician	<b>21120</b> public health unit supervisor
<b>41409</b> psychometrist	<b>41403</b> public housing officer
<b>31100</b> psychopharmacologist	<b>41403</b> public housing policy analyst
<b>41301</b> psychotherapist	<b>64201</b> public image consultant - personal consultants
<b>11100</b> public accountant	<b>10022</b> public information director
<b>11100</b> public accountants chief	<b>41407</b> public inquiries officer
<b>11100</b> public accountants supervisor	<b>12202</b> public liability underwriter - insurance
<b>52113</b> public address (P.A.) operator	<b>75201</b> public notice delivery person
<b>52114</b> public address (P.A.) system announcer	<b>14110</b> public opinion collector
<b>22311</b> public address (P.A.) system installer and repairer	<b>14110</b> public opinion interviewer
<b>52113</b> public address (P.A.) system operator	<b>12012</b> public opinion interviewers supervisor
<b>12201</b> public adjuster - insurance	<b>41403</b> public opinion survey researcher
<b>41200</b> public administration professor - university	<b>73301</b> public passenger transit driver
<b>40010</b> public administrator - government services	<b>11202</b> public relations agent
<b>10022</b> public affairs director	<b>64409</b> public relations clerk
<b>11202</b> public affairs officer - Canadian Armed Forces	<b>11202</b> public relations consultant
<b>11202</b> public affairs officer	<b>11202</b> public relations coordinator
<b>31301</b> public and community health nurse	<b>10022</b> public relations director
<b>41403</b> public assistance adviser	<b>10022</b> public relations manager
<b>21120</b> public health and safety coordinator	<b>11202</b> public relations officer
<b>21110</b> public health bacteriologist	<b>11202</b> public relations practitioner
<b>31110</b> public health dentist	<b>11202</b> public relations press agent
<b>31121</b> public health dietitian	<b>11202</b> public relations press secretary
<b>40010</b> public health director	<b>11202</b> public relations representative
<b>21300</b> public health engineer	<b>11202</b> public relations specialist
<b>21120</b> public health inspector	<b>41403</b> public rights coordinator
<b>21120</b> public health inspectors supervisor	<b>21120</b> public safety advisor
<b>40010</b> public health municipal officer - government services	<b>21120</b> public safety consultant
<b>31301</b> public health nurse consultant	<b>21120</b> public safety coordinator
<b>31301</b> public health nurse	<b>21120</b> public safety officer
<b>40010</b> public health nursing educational director - government services	<b>21120</b> public safety specialist
<b>30010</b> public health nursing services director	<b>64201</b> public speaking consultant
<b>31300</b> public health nursing supervisor	<b>13100</b> public trustee
<b>31121</b> public health nutritionist	<b>90011</b> public utilities manager
<b>31102</b> public health physician	<b>40030</b> public welfare director
<b>41200</b> public health professor - university	<b>40019</b> public works director
<b>21120</b> public health safety inspector	<b>21300</b> public works engineer
	<b>82031</b> public works grounds maintenance labourer supervisor

<b>82031</b> public works grounds maintenance worker supervisor	<b>31100</b> pulmonary medicine specialist
<b>22233</b> public works inspector - construction	<b>31100</b> pulmonologist
<b>75212</b> public works labourer	<b>21320</b> pulp and paper chemical engineer
<b>74205</b> public works maintenance equipment operator	<b>21320</b> pulp and paper engineer
<b>72021</b> public works maintenance equipment operators supervisor	<b>95103</b> pulp and paper labourer
<b>72021</b> public works road maintenance labourer supervisor	<b>72405</b> pulp and paper machinery builder
<b>40019</b> public works superintendent	<b>22302</b> pulp and paper manufacturing technologist
<b>14301</b> publication clerk	<b>92014</b> pulp and paper mill foreman/woman
<b>12012</b> publication clerks supervisor	<b>90010</b> pulp and paper mill manager
<b>64101</b> publication distributor - wholesale	<b>64101</b> pulp and paper product sales representative
<b>64101</b> publication sales representative - wholesale	<b>94121</b> pulp and paper size maker
<b>51110</b> publications editor	<b>22302</b> pulp and paper technician
<b>50011</b> publications manager	<b>22302</b> pulp and paper technologist
<b>11202</b> publicist	<b>94121</b> pulp bleach liquor maker
<b>10022</b> publicity administrator	<b>94121</b> pulp cook
<b>11202</b> publicity agent	<b>94121</b> pulp dryer operator
<b>11202</b> publicity coordinator	<b>94121</b> pulp grader
<b>10022</b> publicity director	<b>94121</b> pulp maker
<b>11202</b> publicity information officer	<b>94121</b> pulp mill equipment operator
<b>10022</b> publicity manager	<b>92014</b> pulp mill foreman/woman
<b>51111</b> publicity writer	<b>94121</b> pulp mill machine operator
<b>41210</b> public-speaking instructor	<b>94121</b> pulp press tender
<b>41210</b> public-speaking teacher	<b>94121</b> pulp pressman/woman - pulp and paper
<b>00015</b> publisher	<b>92014</b> pulp processing foreman/woman - pulp and paper
<b>64101</b> publisher's sales representative - wholesale	<b>94121</b> pulp refiner operator - pulp and paper
<b>14301</b> publishing clerk	<b>94121</b> pulp tester - pulp and paper
<b>50011</b> publishing house director	<b>92014</b> pulp testers foreman/woman
<b>00015</b> publishing house general manager	<b>94121</b> pulp washer operator - pulp and paper
<b>50011</b> publishing manager	<b>94121</b> pulp washer operator
<b>94140</b> puff gun operator - food and beverage processing	<b>94121</b> pulp washer
<b>94140</b> puffed cereal maker	<b>94140</b> pulper tender - food and beverage processing
<b>94103</b> pug mill operator - clay products	<b>93102</b> pulping control operator
<b>41100</b> puisne judge	<b>92014</b> pulping foreman/woman - pulp and paper
<b>94112</b> puller-laster - rubber products manufacturing	<b>93102</b> pulping group operator - pulp and paper
<b>73311</b> pullman conductor	<b>93102</b> pulping technician
<b>31100</b> pulmonary disease specialist	<b>95103</b> pulp-log recleaner
<b>32103</b> pulmonary function technologist	<b>94103</b> pulpstone builder
<b>31100</b> pulmonary medicine physician	<b>95103</b> pulp-washer helper
	<b>12102</b> pulpwood buyer
	<b>84110</b> pulpwood cutter

<b>83110</b> pulpwood harvester operator	<b>10012</b> purchasing chief
<b>85120</b> pulpwood piler	<b>14403</b> purchasing clerk assistant
<b>94121</b> pulpwood products tester	<b>14403</b> purchasing clerk
<b>94110</b> pulverizer and sifter tender - chemical processing	<b>12013</b> purchasing clerks supervisor
<b>73400</b> pulvimixer operator	<b>12102</b> purchasing contracts administrator
<b>64101</b> pump and compressor sales representative - wholesale	<b>12102</b> purchasing contracts analyst
<b>65101</b> pump attendant - service station	<b>10012</b> purchasing contracts director
<b>72400</b> pump mechanic and repairer	<b>12102</b> purchasing contracts management officer
<b>65101</b> pump operator - service station	<b>10012</b> purchasing contracts manager
<b>74201</b> pump seaman/woman	<b>12102</b> purchasing contracts negotiator
<b>93101</b> pump station operator - pipelines	<b>12102</b> purchasing contracts officer
<b>92101</b> pump station operator - water treatment	<b>14403</b> purchasing control clerk
<b>72400</b> pump systems installer	<b>10012</b> purchasing director
<b>84101</b> pumper - oil field services	<b>14402</b> purchasing expediter
<b>84101</b> pumper operator - oil field services	<b>10012</b> purchasing manager
<b>92101</b> pumphouse operator - water treatment	<b>12102</b> purchasing officer
<b>92011</b> pumping and blending foreman/woman - chemical processing	<b>12102</b> purchasing supervisor
<b>92011</b> pumping and pipeline equipment operators foreman/woman	<b>12102</b> purchasing-services contracts negotiator
<b>92011</b> pumping station foreman/woman	<b>93101</b> purification operator - chemical processing
<b>93101</b> pumping station operator	<b>94100</b> purification operator - zinc oxide leach
<b>75119</b> pump-installer and repairer helper	<b>94140</b> purifier operator - food and beverage processing
<b>74201</b> pumpman/woman - ships	<b>93100</b> purity control operator - zinc leaching
<b>94105</b> punch and shear machine operator - metal fabrication	<b>83121</b> purse seine fisherman/woman
<b>95101</b> punch press helper - metal products manufacturing	<b>64311</b> purser - air transportation
<b>94105</b> punch press operator - metal fabrication	<b>64311</b> purser - water transport
<b>94112</b> punch press operator - rubber products manufacturing	<b>41210</b> pursers instructor
<b>94105</b> punch press operator	<b>95109</b> putty applicator - furniture and fixtures manufacturing
<b>94105</b> punch press setter - metalworking	<b>53124</b> pyrographer
<b>94105</b> puncher and shearer - metal products manufacturing	<b>21322</b> pyrometallurgical engineer
<b>55109</b> puppeteer	<b>21109</b> pyrometallurgist
<b>14403</b> purchase order clerk	<b>94219</b> pyrotechnics assembler
<b>94219</b> purchased metal parts inspector	
<b>12102</b> purchaser	<b>Q</b>
<b>12102</b> purchasing agent	<b>85102</b> quahog digger
<b>13201</b> purchasing and inventory management coordinator	<b>13200</b> qualified customs broker
	<b>22230</b> qualified operator - non-destructive testing
	<b>21321</b> quality assurance (QA) engineer
	<b>22222</b> quality assurance analyst - information systems
	<b>20010</b> quality assurance engineering manager

<b>94104</b> quality assurance inspector - steel mill	<b>75110</b> quarry dump attendant
<b>20011</b> quality assurance manager - cannabis	<b>82020</b> quarry foreman/woman
<b>22231</b> quality assurance officer	<b>75110</b> quarry labourer
<b>22302</b> quality assurance technologist	<b>80010</b> quarry manager
<b>22222</b> quality assurance tester - information systems	<b>82020</b> quarry supervisor
<b>94143</b> quality control checker - food and beverage processing	<b>80010</b> quarrying manager
<b>21101</b> quality control chemist	<b>80010</b> quarrying operations manager
<b>20011</b> quality control director - chemistry	<b>74201</b> quartermaster
<b>21321</b> quality control engineer	<b>94103</b> quartz boat builder - stone products
<b>20010</b> quality control engineering manager	<b>94201</b> quartz crystal etcher and plater - electronic equipment manufacturing
<b>72010</b> quality control foreman/woman - metal machining	<b>94202</b> quartz lamp assembler
<b>92015</b> quality control foreman/woman - textiles	<b>94103</b> quartzware fabricator - stone products
<b>94212</b> quality control inspector - plastic products manufacturing	<b>21102</b> quaternarist
<b>94133</b> quality control inspector - textiles	<b>21102</b> quaternary scientist
<b>94211</b> quality control inspector - wood products manufacturing	<b>21102</b> quaternary specialist
<b>20011</b> quality control manager - pharmaceutical products	<b>41101</b> Quebec notary
<b>92013</b> quality control supervisor - rubber and plastic products manufacturing	<b>51114</b> Quebec Sign Language (LSQ) interpreter
<b>22100</b> quality control technician - cannabis	<b>42200</b> Queen's Bench registrar
<b>22100</b> quality control technician - chemical processing	<b>41101</b> Queen's Counsel
<b>22100</b> quality control technician - chemistry	<b>94100</b> quenching car operator
<b>22100</b> quality control technician - food processing	<b>92010</b> quenching foreman/woman - mineral and metal processing
<b>22302</b> quality control technician (except chemical)	<b>92010</b> quenching foreman/woman - primary metal processing
<b>22100</b> quality control technologist - chemical processing	<b>94150</b> quick print machine operator
<b>22100</b> quality control technologist - food processing	<b>94153</b> quick print machine tender - photographic processing
<b>22302</b> quality control technologist - industrial engineering	<b>94130</b> quill winder - textile manufacturing
<b>22302</b> quality control technologist (except chemical)	<b>94130</b> quiller - textile manufacturing
<b>94133</b> quality control tester - textiles	<b>72400</b> quiller machine fixer - textile manufacturing
<b>94133</b> quality controller - textiles	<b>72400</b> quiller setter - textile manufacturing
<b>90010</b> quality-control services manager	<b>72400</b> quilter fixer - textile manufacturing
<b>21211</b> quantitative analyst	<b>72400</b> quilter mechanic - textile manufacturing
<b>41409</b> quantitative historian	<b>72400</b> quilter setter-fixer - textile manufacturing
<b>22303</b> quantity surveyor - construction	<b>92015</b> quilting foreman/woman - textile processing
<b>22303</b> quantity surveyor-estimator	<b>72400</b> quilting machine fixer - textile manufacturing
<b>21120</b> quarantine officer - public health	<b>72400</b> quilting machine mechanic - textile manufacturing
<b>73402</b> quarry driller	<b>94131</b> quilting machine operator
	<b>72400</b> quilting machine setter-fixer - textile manufacturing
	<b>52114</b> quiz master - radio and television

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<b>41302</b>	rabbi	<b>32121</b>	radiation technologist - oncology
<b>80020</b>	rabbit breeder	<b>32121</b>	radiation therapist
<b>53200</b>	race car driver	<b>32121</b>	radiation therapists supervisor
<b>41403</b>	race relations officer	<b>32121</b>	radiation therapy chief technologist
<b>72014</b>	race track maintenance superintendent	<b>32121</b>	radiation therapy clinical coordinator
<b>84120</b>	racehorse exerciser	<b>32121</b>	radiation therapy clinical instructor
<b>53202</b>	racehorse judge - racetrack	<b>32121</b>	radiation therapy technical coordinator
<b>84120</b>	racehorse trainer	<b>32121</b>	radiation therapy technologist (RTT)
<b>62029</b>	racetrack betting supervisor	<b>94201</b>	radiation-detector assembler
<b>65100</b>	racetrack cashier	<b>94200</b>	radiator inspector - motor vehicle manufacturing
<b>62029</b>	racetrack clerk supervisor	<b>74203</b>	radiator installer - auto repair service
<b>53202</b>	racetrack clocker	<b>94200</b>	radiator installer - motor vehicle manufacturing
<b>50012</b>	racetrack director	<b>94204</b>	radiator maker
<b>53110</b>	racetrack finish photographer	<b>72301</b>	radiator pipe installer
<b>53202</b>	racetrack steward	<b>72300</b>	radiator plumber
<b>53202</b>	racetrack timer	<b>64101</b>	radio advertising time sales representative
<b>53202</b>	racing secretary and handicapper	<b>22313</b>	radio and electronic overhaul and repair mechanic - avionics
<b>95102</b>	rack loader	<b>22313</b>	radio and radar equipment inspector - avionics
<b>72205</b>	racker - telecommunications	<b>22313</b>	radio and radar equipment installer - avionics
<b>94219</b>	racquet stringer	<b>21310</b>	radio and television broadcasting design engineer
<b>21310</b>	radar engineer	<b>21310</b>	radio and television broadcasting systems design engineer
<b>22310</b>	radar systems technician	<b>22311</b>	radio and television service technician apprentice
<b>22310</b>	radar technician	<b>22311</b>	radio and television service technician
<b>94201</b>	radar-indicator inspector - electronic equipment manufacturing	<b>52114</b>	radio announcer
<b>94201</b>	radar-receiver assembler	<b>94201</b>	radio assembler and installer
<b>94106</b>	radial drill operator - metal machining	<b>21100</b>	radio astronomer
<b>94106</b>	radial drill press operator - metal machining	<b>52112</b>	radio broadcasting equipment operator supervisor
<b>94106</b>	radial drill set-up operator - metal machining	<b>51113</b>	radio commentator
<b>94112</b>	radial tire builder	<b>22313</b>	radio communication equipment repairer - avionics
<b>94124</b>	radial-arm saw operator - woodworking	<b>22311</b>	radio communication equipment repairer
<b>21100</b>	radiation biophysicist	<b>22313</b>	radio communication equipment repairman/woman - avionics
<b>22232</b>	radiation monitor	<b>51120</b>	radio director
<b>31100</b>	radiation oncologist	<b>14404</b>	radio dispatcher
<b>32121</b>	radiation oncology simulator technologist	<b>22310</b>	radio frequency technologist
<b>32121</b>	radiation oncology technician	<b>52114</b>	radio host/hostess
<b>32121</b>	radiation oncology technologist	<b>22311</b>	radio installation and repair technician
<b>22232</b>	radiation surveyor		
<b>32121</b>	radiation technologist - cancer therapy		

<b>22231</b> radio interference investigator	<b>72205</b> radiotelephone installer and repairer
<b>22311</b> radio maintenance technician	<b>14404</b> radio-telephone operator
<b>52119</b> radio music program planner	<b>32121</b> radiotherapy technician
<b>14404</b> radio operator	<b>32121</b> radiotherapy technologist
<b>51120</b> radio producer	<b>94212</b> radome finisher - plastic manufacturing
<b>52119</b> radio program planner	<b>64322</b> rafting guide
<b>50011</b> radio programming manager	<b>95103</b> rag checker - pulp and paper
<b>52113</b> radio recorder	<b>95103</b> rag sorter - pulp and paper
<b>22311</b> radio repair supervisor	<b>95105</b> rag sorter and cutter - textile processing
<b>22311</b> radio repairer	<b>94121</b> rag stock bleacher
<b>21310</b> radio research engineer	<b>42204</b> raji
<b>51113</b> radio researcher	<b>72500</b> rail crane operator
<b>00014</b> radio station general manager	<b>73200</b> rail fence builder
<b>50011</b> radio station manager	<b>74200</b> rail grinder - railway
<b>50011</b> radio station operations director	<b>75211</b> rail lubricator
<b>21311</b> radio systems engineer	<b>70020</b> rail operations superintendent
<b>52113</b> radio technician	<b>74200</b> rail sander
<b>12102</b> radio time buyer	<b>74200</b> rail saw operator - railway
<b>51111</b> radio writer	<b>74200</b> rail saw operator
<b>72106</b> radio-frequency welder	<b>72604</b> rail traffic controller
<b>22230</b> radiographic technician - non-destructive testing	<b>72020</b> rail transport equipment repair foreman/woman
<b>32121</b> radiographic technologist	<b>72020</b> rail transport equipment repairers foreman/woman
<b>22230</b> radiographic tester	<b>70020</b> rail transport manager
<b>32121</b> radiography chief technologist	<b>21300</b> rail transportation traffic engineer
<b>32121</b> radiography clinical coordinator	<b>72403</b> rail vehicle mechanic
<b>32121</b> radiography clinical instructor	<b>74200</b> rail-aligner operator - railway
<b>32121</b> radiography supervisor	<b>72403</b> railcar mechanic apprentice
<b>32121</b> radiography technical coordinator	<b>74200</b> rail-grinder operator - railway
<b>32121</b> radiography technical director	<b>74200</b> rail-lifter operator - railway
<b>32121</b> radiography technologist	<b>12201</b> railroad claims adjuster - insurance
<b>32121</b> radiography technologists supervisor	<b>00011</b> railroad commissioner
<b>32121</b> radioisotope technician	<b>22231</b> railway accident investigation officer
<b>32121</b> radioisotope technologist	<b>72301</b> railway car and locomotive pipefitter
<b>32121</b> radiological technician	<b>94204</b> railway car assembler
<b>32121</b> radiological technologist	<b>72403</b> railway car brake inspector
<b>31100</b> radiologist - Canadian Armed Forces	<b>65311</b> railway car cleaner
<b>31100</b> radiologist	<b>74200</b> railway car controller - railway yard
<b>33109</b> radiology aide	<b>75211</b> railway car decal applier
<b>32121</b> radiology technologist	<b>74200</b> railway car distributor
<b>31100</b> radio-oncologist	<b>74200</b> railway car greaser
<b>31100</b> radio-oncology specialist	

<b>72020</b> railway car inspection foreman/woman	<b>72403</b> railway equipment inspector
<b>72403</b> railway car inspector	<b>72020</b> railway equipment maintenance inspectors foreman/woman
<b>72020</b> railway car inspectors foreman/woman	<b>74200</b> railway equipment operator
<b>94213</b> railway car letterer	<b>53100</b> railway equipment restoration technician - museum
<b>94204</b> railway car liner	<b>64313</b> railway express agent
<b>75101</b> railway car loader	<b>70020</b> railway freight manager
<b>74200</b> railway car lubricating specialist	<b>72021</b> railway gang foreman/woman
<b>74200</b> railway car lubricator	<b>42100</b> railway guard - police
<b>72020</b> railway car maintenance foreman/woman	<b>73310</b> railway hostler
<b>72020</b> railway car maintenance supervisor	<b>22231</b> railway inspector
<b>74200</b> railway car oiler	<b>41310</b> railway investigator - police
<b>94213</b> railway car painter and letterer	<b>75211</b> railway labourer
<b>90010</b> railway car production manager	<b>74200</b> railway line inspector
<b>72500</b> railway car puller - crane	<b>73310</b> railway locomotive engineer
<b>72020</b> railway car repair foreman/woman	<b>74200</b> railway maintenance equipment operator
<b>72020</b> railway car repairer foreman/woman	<b>70020</b> railway manager
<b>75119</b> railway car repairer helper	<b>64313</b> railway passenger agent
<b>72020</b> railway car repairer supervisor	<b>70020</b> railway passenger operations manager
<b>94213</b> railway car stenciller	<b>40040</b> railway police chief
<b>94204</b> railway car trimmer	<b>42100</b> railway police constable
<b>63221</b> railway car upholsterer	<b>42100</b> railway police officer
<b>94213</b> railway car varnisher	<b>40040</b> railway police supervisor
<b>75211</b> railway car weigher	<b>64313</b> railway reservations clerk
<b>72403</b> railway car wheel and axle inspector	<b>73209</b> railway rolling stock air valve repairer
<b>72403</b> railway carman/woman apprentice	<b>72020</b> railway rolling stock assembly foreman/woman
<b>72403</b> railway carman/woman inspector	<b>72310</b> railway rolling stock carpenter
<b>72403</b> railway carman/woman	<b>72310</b> railway rolling stock joiner
<b>72405</b> railway coach fitter	<b>72020</b> railway rolling stock manufacturing foreman/woman
<b>72403</b> railway coach repairer	<b>90010</b> railway rolling stock production manager
<b>73311</b> railway conductor	<b>72021</b> railway section foreman/woman
<b>72021</b> railway construction and maintenance superintendent	<b>72201</b> railway signal installer
<b>63200</b> railway cook	<b>72201</b> railway signal maintainer
<b>62020</b> railway dining car food service supervisor	<b>74200</b> railway signalman/woman
<b>70020</b> railway division superintendent	<b>42100</b> railway special agent - police
<b>73310</b> railway engineer trainee	<b>62022</b> railway station clerk supervisor
<b>73310</b> railway engineer	<b>21203</b> railway surveyor
<b>62100</b> railway equipment and supplies technical sales specialist	<b>74200</b> railway tank car servicer
<b>62100</b> railway equipment and supplies technical salesperson	<b>22300</b> railway technician
<b>72020</b> railway equipment department supervisor	<b>74200</b> railway tie inspector



<b>74200</b> railway track inspector	<b>22112</b> range conservationist
<b>75211</b> railway track labourer	<b>22112</b> range manager
<b>72021</b> railway track laying foreman/woman	<b>14405</b> rapid transit scheduler
<b>74200</b> railway track maintenance equipment operator	<b>14200</b> rate clerk
<b>72021</b> railway track maintenance foreman/woman	<b>14200</b> rate reviewer
<b>75211</b> railway track maintenance labourer	<b>80010</b> raw materials production manager
<b>74200</b> railway track maintenance worker	<b>94130</b> raw stock dryer - textile manufacturing
<b>74200</b> railway track patroller	<b>94130</b> raw stock dyer - textile manufacturing
<b>74200</b> railway track repairer	<b>75101</b> reach truck operator
<b>72021</b> railway track section boss	<b>75210</b> reaction ferry operator
<b>74200</b> railway track tamper operator	<b>21100</b> reactor physicist
<b>74200</b> railway trackman/woman	<b>53121</b> reader - performing arts
<b>74200</b> railway train engine maintenance worker	<b>14301</b> reader
<b>70020</b> railway transport area manager	<b>41221</b> reading clinician - elementary school
<b>70020</b> railway transport general agent	<b>41220</b> reading clinician - secondary school
<b>72023</b> railway transport operating support foreman/woman	<b>73300</b> ready-mix driver - construction
<b>72023</b> railway transport operations foreman/woman	<b>73300</b> ready-mix truck driver
<b>72023</b> railway transport operations supervisor	<b>75101</b> ready-mix truck loader
<b>75211</b> railway yard labourer	<b>64200</b> ready-to-wear garment tailor
<b>72021</b> railwaymen/women foreman/woman	<b>94110</b> reagent mixer - cellulose film manufacturing
<b>74200</b> railway-tie-injector operator	<b>94100</b> reagent tender - primary metal processing
<b>84100</b> raise borer helper - underground mining	<b>95100</b> reagent tender helper - primary metal processing
<b>83100</b> raise boring machine operator - underground mining	<b>13111</b> real estate administrative assistant
<b>83100</b> raise driller - underground mining	<b>63101</b> real estate agency representative
<b>84100</b> raise miner helper	<b>63101</b> real estate agent supervisor
<b>83100</b> raise miner	<b>63101</b> real estate agent
<b>83100</b> raiseman/woman	<b>10020</b> real estate agents managing supervisor
<b>94103</b> ram press operator - clay products	<b>12203</b> real estate analyst
<b>74202</b> ramp agent - air transport	<b>12203</b> real estate appraisal technician
<b>74202</b> ramp attendant - air transport	<b>12203</b> real estate appraiser
<b>74202</b> ramp lead hand - air transport	<b>12203</b> real estate assessor
<b>70020</b> ramp manager - airline	<b>10020</b> real estate branch manager
<b>74202</b> ramp services supervisor - airport	<b>10020</b> real estate broker
<b>74202</b> ramp station attendant - air transport	<b>14201</b> real estate clerk
<b>82030</b> ranch foreman/woman	<b>10020</b> real estate developer
<b>85100</b> ranch hand	<b>42200</b> real estate law clerk
<b>85100</b> ranch worker	<b>41101</b> real estate lawyer
<b>80020</b> rancher	<b>00012</b> real estate management company executive director
<b>80020</b> ranchman/woman	<b>10020</b> real estate national sales manager

<b>10020</b> real estate office manager	<b>94112</b> reclaim millman/woman - rubber products manufacturing
<b>42200</b> real estate paralegal	<b>94112</b> reclaimed rubber inspector
<b>13101</b> real estate rental agent	<b>72999</b> reclamation diver
<b>63101</b> real estate sales consultant	<b>21300</b> reclamation engineer
<b>10020</b> real estate sales district manager	<b>92010</b> reclamation foreman/woman - primary metal and mineral products processing
<b>10020</b> real estate sales manager	<b>14201</b> reconciliation clerk - financial sector
<b>10020</b> real estate sales managing director	<b>43204</b> reconnaissance patrolman
<b>63101</b> real estate sales representative	<b>14300</b> record library assistant
<b>63101</b> real estate sales supervisor	<b>51120</b> record producer
<b>63101</b> real estate salesperson	<b>64100</b> record shop salesperson
<b>13111</b> real estate secretary	<b>60020</b> record store manager
<b>10020</b> real estate service manager	<b>64100</b> record store salesperson
<b>63101</b> realtor	<b>51122</b> recording artist
<b>14201</b> realty clerk	<b>53111</b> recording assistant - recording studio
<b>40011</b> realty taxation manager	<b>14402</b> recording clerk - broadcasting
<b>40042</b> rear admiral	<b>51120</b> recording director
<b>94130</b> rebeamer - textile manufacturing	<b>52113</b> recording engineer
<b>94110</b> recausticizer tender	<b>13110</b> recording secretary
<b>94110</b> recausticizer	<b>52113</b> recording studio technician
<b>00011</b> receiver general for Canada	<b>53100</b> recording technician - museum
<b>14400</b> receiver	<b>64101</b> recordings contact person
<b>65220</b> receiving barn custodian	<b>14300</b> recordings library clerk
<b>14400</b> receiving checker	<b>10019</b> records administrator
<b>14400</b> receiving clerk for returned merchandise	<b>13100</b> records analyst - access to information
<b>14400</b> receiving clerk	<b>14100</b> records classification clerk
<b>12013</b> receiving clerks supervisor	<b>12112</b> records classifier
<b>14400</b> receiving room clerk	<b>14100</b> records clerk
<b>12013</b> receiving supervisor	<b>12010</b> records clerks supervisor
<b>64314</b> reception clerk - hotel	<b>12112</b> records digitizing technician
<b>14101</b> reception clerk	<b>11201</b> records filing systems analysts supervisor
<b>14101</b> reception desk clerk (except hotel)	<b>14100</b> records filing-system clerk
<b>14101</b> receptionist	<b>14100</b> records management clerk
<b>14101</b> receptionist-clerk	<b>10019</b> records management services manager
<b>12010</b> receptionists and hostesses supervisor	<b>12010</b> records management services supervisor
<b>12010</b> receptionists supervisor	<b>11201</b> records management specialist
<b>14101</b> receptionist-secretary	<b>12010</b> records management supervisor
<b>14101</b> receptionist-switchboard operator	<b>11201</b> records management systems analyst
<b>14101</b> receptionist-telephone operator	<b>12112</b> records management technician
<b>14101</b> receptionist-typist	<b>11201</b> records manager - business services
<b>51122</b> recital singer	

<b>10019</b> records manager	<b>54100</b> recreation program leader
<b>12010</b> records office supervisor	<b>41406</b> recreation programmer
<b>14100</b> records support clerk	<b>50012</b> recreation programs director
<b>12112</b> records technician	<b>50012</b> recreation programs manager
<b>94110</b> recovery equipment operator - chemical processing	<b>50012</b> recreation service director
<b>94100</b> recovery equipment operator - primary metal and mineral processing	<b>50012</b> recreation service manager
<b>94121</b> recovery operator - pulp and paper	<b>41406</b> recreation services coordinator
<b>95103</b> recovery plant helper - pulp and paper	<b>73200</b> recreation structure erector
<b>93102</b> recovery plant operator - pulp and paper	<b>41406</b> recreation supervisor
<b>31301</b> recovery room nurse	<b>54100</b> recreation technician
<b>94110</b> recovery vat tender	<b>33109</b> recreation therapist aide
<b>50012</b> recreation administrator in chief	<b>32109</b> recreation therapy assistant
<b>50012</b> recreation administrator	<b>72423</b> recreation vehicle apprentice mechanic
<b>33109</b> recreation aide - health services	<b>94204</b> recreation vehicle assembler
<b>41406</b> recreation analyst	<b>72423</b> recreation vehicle mechanic
<b>41406</b> recreation and leisure programs supervisor	<b>72423</b> recreation vehicle repairer
<b>41406</b> recreation and leisure supervisor	<b>72423</b> recreation vehicle service technician
<b>65211</b> recreation and sports attendant	<b>72423</b> recreation vehicle technician
<b>50012</b> recreation and sports director	<b>41406</b> recreation, sports or fitness policy analyst
<b>11202</b> recreation association information officer	<b>41406</b> recreational activities consultant
<b>65211</b> recreation attendant	<b>41406</b> recreational activities coordinator
<b>50012</b> recreation centre director	<b>41406</b> recreational activities counsellor
<b>50012</b> recreation centre sports director	<b>41406</b> recreational activities program coordinator
<b>50012</b> recreation chief administrator	<b>00013</b> recreational association executive director
<b>41406</b> recreation consultant	<b>65211</b> recreational camp attendant
<b>41406</b> recreation coordinator	<b>60031</b> recreational campground manager
<b>41406</b> recreation counsellor	<b>73200</b> recreational equipment installer
<b>50012</b> recreation director	<b>64100</b> recreational equipment rental-shop attendant
<b>73200</b> recreation equipment erector	<b>64100</b> recreational equipment salesperson - retail
<b>50012</b> recreation establishment director	<b>65211</b> recreational facility attendant
<b>50012</b> recreation establishment managing supervisor	<b>41210</b> recreational leadership teacher
<b>70012</b> recreation facility manager	<b>41406</b> recreational programs coordinator
<b>50012</b> recreation head administrator	<b>31204</b> recreational therapist
<b>54100</b> recreation instructor	<b>33109</b> recreational therapy aide
<b>54100</b> recreation leader	<b>41406</b> recreationist - geriatrics
<b>50012</b> recreation manager	<b>41406</b> recreologist
<b>65211</b> recreation park attendant	<b>41200</b> recreology professor - university
<b>21202</b> recreation planner	<b>12101</b> recruiter - employment
<b>41406</b> recreation policy analyst	<b>10011</b> recruiting director
	<b>10011</b> recruiting manager
	<b>12101</b> recruiting officer

<b>42100</b> recruitment and training officer - police	<b>14300</b> reference clerk - library
<b>12101</b> recruitment assistant	<b>14300</b> reference clerk
<b>12101</b> recruitment consultant	<b>51100</b> reference librarian
<b>12101</b> recruitment officer	<b>90011</b> refined petroleum products distribution manager
<b>12101</b> recruitment specialist	<b>94121</b> refiner - pulp and paper
<b>92100</b> rectifier operator - electrical power systems	<b>95100</b> refiner helper
<b>00013</b> rector - education	<b>94121</b> refiner man/woman - pulp and paper
<b>75101</b> recycled paper handler	<b>94112</b> refiner mill tender - rubber products manufacturing
<b>41400</b> recycling coordinator - residuals management	<b>94121</b> refiner operator - pulp and paper
<b>41400</b> recycling program coordinator	<b>21320</b> refinery engineer
<b>64101</b> recycling sales representative	<b>22233</b> refinery equipment inspector
<b>74205</b> recycling truck driver - public works	<b>40041</b> refinery fire chief
<b>74205</b> recycling truck driver	<b>95100</b> refinery helper - primary metal and mineral products processing
<b>30010</b> Red Cross first aid director	<b>95100</b> refinery labourer
<b>31301</b> Red Cross nurse	<b>93101</b> refinery operator
<b>94100</b> red mud thickener tender	<b>93100</b> refinery process operator - primary metal processing
<b>65210</b> redcap	<b>93101</b> refinery process technician
<b>94130</b> redraw operator - textile manufacturing	<b>90010</b> refinery superintendent
<b>94140</b> redryer tender - tobacco processing	<b>92011</b> refinery unit foreman/woman
<b>94140</b> redrying machine operator - tobacco processing	<b>21322</b> refining and metalworking engineer
<b>92010</b> reduction plant foreman/woman - primary metal and mineral products processing	<b>94219</b> reflective sign fabricator
<b>95105</b> reed cleaner - textile processing	<b>22230</b> reflectoscope tester
<b>72400</b> reed fixer - textile manufacturing	<b>32209</b> reflexologist therapist
<b>72400</b> reed setter - textile manufacturing	<b>32209</b> reflexologist
<b>94140</b> reel oven operator - food and beverage processing	<b>43201</b> reformatory guard
<b>95109</b> reel replacer press assistant	<b>72320</b> refractory brick repairer-mason
<b>94130</b> reel tender - textile manufacturing	<b>72014</b> refractory bricklayer foreman/woman
<b>94130</b> reel winder - textile manufacturing	<b>75110</b> refractory bricklayer helper
<b>95101</b> reel wrapper - wire products manufacturing	<b>72320</b> refractory bricklayer
<b>85111</b> reeled tubing helper - oil field services	<b>72320</b> refractory builder
<b>84101</b> reeled tubing operator - oil field services	<b>72320</b> refractory mason
<b>94130</b> reeler - textile manufacturing	<b>94103</b> refractory mortar mixer
<b>94212</b> reeler and cutter - plastic manufacturing	<b>94103</b> refractory tamp moulder - clay products
<b>94100</b> reeling machine operator - primary metal processing	<b>94202</b> refrigerant gas leak tester
<b>94130</b> reeling machine operator - textile manufacturing	<b>72321</b> refrigeration and air conditioning equipment insulator
<b>00010</b> reeve	<b>72014</b> refrigeration and air conditioning equipment insulators foreman/woman
<b>53202</b> referee	<b>72402</b> refrigeration and air conditioning mechanic (non-construction)
<b>14300</b> reference aide - library	
<b>14300</b> reference assistant - library	

<b>72402</b> refrigeration and air conditioning mechanic apprentice	<b>41101</b> regional Crown prosecutor
<b>72402</b> refrigeration and air conditioning mechanic	<b>41402</b> regional development analyst
<b>72402</b> refrigeration and mechanical technician	<b>41402</b> regional development officer
<b>72020</b> refrigeration contractor	<b>41402</b> regional economic development agency officer
<b>21301</b> refrigeration engineer	<b>40011</b> regional economic services manager - government services
<b>94202</b> refrigeration equipment gas charger	<b>41401</b> regional economist
<b>72020</b> refrigeration foreman/woman	<b>11101</b> regional financial analyst
<b>72402</b> refrigeration mechanic apprentice	<b>21111</b> regional forest inventory officer
<b>75119</b> refrigeration mechanic helper	<b>41402</b> regional industrial development officer
<b>72402</b> refrigeration mechanic	<b>21111</b> regional inventory officer - forestry
<b>72020</b> refrigeration mechanics foreman/woman	<b>50010</b> regional library director
<b>92011</b> refrigeration plant foreman/woman	<b>60010</b> regional manager - sales
<b>95102</b> refrigeration plant operator helper	<b>10030</b> regional manager - telecommunications system
<b>92100</b> refrigeration plant operator	<b>00010</b> regional municipality chair
<b>72402</b> refrigeration system installer	<b>00011</b> regional municipality general director
<b>22212</b> refrigeration systems draftsman	<b>53100</b> regional museum technician
<b>72402</b> refrigeration technician	<b>40010</b> regional pay centre chief - employment insurance
<b>94202</b> refrigeration unit inspector	<b>21202</b> regional planner
<b>95109</b> refrigerator crater	<b>41400</b> regional recycling and waste reduction program coordinator
<b>94202</b> refrigerator inspector - electrical appliance manufacturing	<b>60010</b> regional sales director
<b>72421</b> refrigerator repairer	<b>60010</b> regional sales manager
<b>72421</b> refrigerator servicer	<b>64101</b> regional sales representative - wholesale
<b>41403</b> refugee affairs program officer	<b>40021</b> regional schools superintendent
<b>41407</b> refugee board member	<b>13100</b> regional services chief
<b>74205</b> refuse truck driver - public works	<b>70021</b> regional services manager - postal and courier services
<b>10019</b> regional administrative manager	<b>40021</b> regional superintendent - schools
<b>41101</b> regional attorney	<b>40011</b> regional taxation manager
<b>10021</b> regional bank manager	<b>52112</b> regional transmitter technician
<b>12012</b> regional census manager	<b>73300</b> regional truck driver
<b>12104</b> regional claims and benefits officer - employment insurance	<b>00012</b> regional vice-president - financial, communications and other business services
<b>10021</b> regional collection manager	<b>00015</b> regional vice-president - goods production, utilities, transportation and construction
<b>41407</b> regional committee officer - government services	<b>00013</b> regional vice-president - health, education, social and community services and membership organizations
<b>10022</b> regional communications director	<b>00014</b> regional vice-president - trade, broadcasting and other services
<b>10010</b> regional controller - financial services	<b>32200</b> registered acupuncture practitioner
<b>40040</b> regional coroner	<b>32200</b> registered acupuncturist
<b>40030</b> regional correctional administrator	
<b>41407</b> regional council officer	
<b>10021</b> regional credit manager	

<b>32104</b> registered animal health technologist (RAHT)	<b>31301</b> registered nurse - telehealth
<b>32104</b> registered animal health technologist	<b>31301</b> registered nurse (R.N.)
<b>22210</b> registered building technician	<b>32101</b> registered nursing assistant (R.N.A.)
<b>22210</b> registered building technologist	<b>31121</b> registered nutritionist
<b>32123</b> registered cardiology technologist	<b>41400</b> registered occupational hygienist
<b>33102</b> registered care aide	<b>33109</b> registered orthopedic technologist
<b>33109</b> registered central service technician - medical	<b>32129</b> registered orthotic technician (R.T.O.)
<b>41301</b> registered clinical counsellor	<b>41400</b> registered patent agent
<b>31301</b> registered community health nurse	<b>31120</b> registered pharmacist
<b>41301</b> registered dance therapist (DTR)	<b>32124</b> registered pharmacy technician
<b>41301</b> registered dance therapist	<b>31202</b> registered physical therapist
<b>33100</b> registered dental assistant	<b>31202</b> registered physiotherapist
<b>32111</b> registered dental hygienist	<b>32101</b> registered practical nurse (R.P.N.)
<b>32112</b> registered dental technician (RDT)	<b>31121</b> registered professional dietitian
<b>32112</b> registered dental technologist (RDT)	<b>21111</b> registered professional forester (RPF)
<b>32111</b> registered dental therapist	<b>31121</b> registered professional nutritionist
<b>63211</b> registered dermal therapist	<b>32129</b> registered prosthetic and orthotic technician (R.T.P.O.)
<b>32122</b> registered diagnostic cardiac sonographer	<b>32129</b> registered prosthetic technician (R.T.P.)
<b>32122</b> registered diagnostic medical sonographer (RDMS)	<b>31301</b> registered psychiatric nurse (R.P.N.)
<b>31121</b> registered dietitian (RD)	<b>31200</b> registered psychologist
<b>31121</b> registered dietitian-nutritionist (RDN)	<b>31301</b> registered public health nurse
<b>32123</b> registered electrocardiography technician	<b>32121</b> registered radiology technologist
<b>32102</b> registered emergency paramedic	<b>11103</b> registered representatives supervisor
<b>41301</b> registered family therapist	<b>32103</b> registered respiratory care practitioner
<b>52120</b> registered graphic designer (RGD)	<b>32103</b> registered respiratory therapist (RRT)
<b>31301</b> registered industrial nurse	<b>42201</b> registered social service worker
<b>52121</b> registered interior designer	<b>41300</b> registered social worker
<b>11103</b> registered investment representative	<b>32120</b> registered technologist - medical
<b>31204</b> registered kinesiologist	<b>32121</b> registered technologist in nuclear medicine (RTNM)
<b>64401</b> registered mail clerk	<b>32121</b> registered technologist in radiation therapy
<b>41301</b> registered marriage and family therapist	<b>32121</b> registered technologist in radiography (RTR)
<b>41301</b> registered marriage therapist	<b>42200</b> registered trademark agent
<b>32201</b> registered massage practitioner	<b>32200</b> registered traditional Chinese medicine herbalist
<b>32201</b> registered massage therapist (RMT)	<b>32200</b> registered traditional Chinese medicine practitioner
<b>32120</b> registered medical technologist	<b>32122</b> registered ultrasound technologist
<b>31303</b> registered midwife (RM)	<b>32104</b> registered veterinary technician (RVT)
<b>31301</b> registered nurse - call centre	<b>40020</b> registrar - college or university
<b>31301</b> registered nurse - contact centre	<b>10019</b> registrar - courts
<b>31301</b> registered nurse - independent practice	
<b>31301</b> registered nurse - public and community health	

<b>14301</b> registrar clerk	<b>22233</b> reinforced concrete inspector
<b>42200</b> registrar of bankruptcy	<b>94107</b> reinforcing cage maker
<b>42200</b> registrar of deeds	<b>94107</b> reinforcing cage winding machine operator
<b>42200</b> registrar of probate	<b>72105</b> reinforcing ironworker
<b>42200</b> registrar of wills	<b>72105</b> reinforcing rodworker
<b>14301</b> registration clerk	<b>72105</b> reinforcing steel ironworker
<b>12010</b> registration unit supervisor	<b>75110</b> reinforcing wire mesh worker
<b>14301</b> registry clerk	<b>11100</b> reinsurance analyst
<b>42200</b> registry officer - marriages	<b>12202</b> reinsurance underwriter - insurance
<b>12010</b> registry supervisor	<b>95109</b> relaster - shoe manufacturing
<b>32124</b> regulated pharmacy technician	<b>72205</b> relay adjuster - telecommunications
<b>72205</b> regulator and tester - telecommunications	<b>51114</b> relay interpreter
<b>11201</b> regulatory affairs analyst	<b>72205</b> relay tester - telecommunications
<b>11201</b> regulatory affairs associate	<b>72202</b> relay tester and maintainer - electrical power system
<b>11201</b> regulatory affairs officer	<b>72202</b> relay tester and repairer - electrical power system
<b>11201</b> regulatory affairs specialist	<b>22301</b> reliability technician
<b>11201</b> regulatory compliance officer	<b>14100</b> relief clerk
<b>11201</b> regulatory compliance specialist	<b>72600</b> relief pilot
<b>21110</b> regulatory toxicologist	<b>82020</b> relieving surface foreman/woman - mining
<b>33109</b> rehabilitation aide	<b>41200</b> religion professor - university
<b>70011</b> rehabilitation and renovation specialist	<b>40030</b> religious education director
<b>32109</b> rehabilitation assistant	<b>41220</b> religious education high school teacher
<b>41321</b> rehabilitation counsellor	<b>42204</b> religious education worker
<b>42203</b> rehabilitation instructor for persons who are blind	<b>42204</b> religious superior - religious community
<b>42203</b> rehabilitation instructor of persons with a visual impairment	<b>42204</b> religious superior/mother superior
<b>31300</b> rehabilitation nursing supervisor	<b>94140</b> relish maker - food and beverage processing
<b>42201</b> rehabilitation officer - social services	<b>13100</b> relocation commissioner
<b>40030</b> rehabilitation residential services director	<b>41321</b> relocation consultant
<b>42201</b> rehabilitation service worker	<b>41321</b> relocation counsellor
<b>30010</b> rehabilitation services director - medical services	<b>43100</b> remedial education aide
<b>30010</b> rehabilitation services director	<b>31204</b> remedial gymnast
<b>31100</b> rehabilitation specialist	<b>31204</b> remedial gymnastics teacher (except education)
<b>42203</b> rehabilitation teacher for persons who are blind	<b>31204</b> remedial gymnasts' supervisor
<b>42203</b> rehabilitation teacher of persons with a visual impairment	<b>32209</b> remedial herbalist
<b>42203</b> rehabilitation teacher	<b>32209</b> remedial herbologist
<b>42201</b> rehabilitation worker - social services	<b>41210</b> remedial teacher - college level
<b>51122</b> rehearsal musician	<b>41221</b> remedial teacher - elementary school
<b>65229</b> Reiki master	<b>41220</b> remedial teacher - secondary school
	<b>31204</b> remedial therapist

<b>14200</b> remittance accounts clerk	<b>94120</b> resawyer - sawmill
<b>52119</b> remote broadcasting coordinator	<b>40020</b> research administrator - university or college
<b>72999</b> remote operated vehicle (ROV) operator	<b>20011</b> research and development manager
<b>22214</b> remote sensing (RS) application specialist	<b>31203</b> research and development occupational therapist
<b>22214</b> remote sensing (RS) technician	<b>41409</b> research anthropologist
<b>22214</b> remote sensing (RS) technologist	<b>41409</b> research archaeologist
<b>21300</b> remote sensing engineer	<b>51102</b> research archivist
<b>21102</b> remote sensing geologist	<b>22112</b> research assistant - forestry
<b>72600</b> remote sensing pilot	<b>12113</b> research assistant - generalist (except university)
<b>21100</b> remote sensing research scientist	<b>12113</b> research assistant (except post-secondary)
<b>65329</b> remotely piloted aircraft system pilot	<b>31112</b> research audiologist
<b>33101</b> renal technician	<b>21110</b> research biologist
<b>92012</b> rendering plant worker foreman/woman	<b>21320</b> research chemical engineer
<b>92012</b> rendering plant workers foreman/woman - meat packing	<b>21101</b> research chemist
<b>52111</b> rendering specialist	<b>31121</b> research dietitian
<b>14201</b> renewal clerk - financial sector	<b>20011</b> research director - forestry
<b>75110</b> renovation carpenter helper	<b>20011</b> research director - manufacturing
<b>72310</b> renovation carpenter	<b>20011</b> research director - mining
<b>70011</b> renovation contractor	<b>40020</b> research director - university or college
<b>64100</b> rental agent - retail	<b>21310</b> research engineer - nanoelectronics
<b>64100</b> rental clerk - retail	<b>21111</b> research forester
<b>64100</b> rental counter representative	<b>41403</b> research home economist
<b>62010</b> rental service supervisor	<b>22310</b> research laboratory equipment repairer
<b>13101</b> rentals agent	<b>21210</b> research mathematician
<b>72203</b> repair lineman/woman - electric power systems	<b>21109</b> research metallurgist
<b>72204</b> repair lineman/woman - telecommunications	<b>31121</b> research nutritionist
<b>75210</b> repair ship owner-operator	<b>31203</b> research occupational therapist
<b>22310</b> repairer - electronics production	<b>41407</b> research officer - federal and intergovernmental affairs
<b>72401</b> repairer mechanic	<b>31202</b> research physical therapist
<b>40010</b> repayment and benefits control chief - employment insurance	<b>31202</b> research physiotherapist
<b>72205</b> repeater installer - telecommunications	<b>41200</b> research professor - university
<b>72205</b> repeater tester and adjuster - telecommunications	<b>31200</b> research psychologist
<b>51113</b> reporter	<b>21109</b> research scientist - ceramics
<b>53124</b> reproduction woodcarver	<b>21109</b> research scientist - composite materials
<b>94121</b> repulper operator	<b>12113</b> research support officer
<b>52113</b> re-recording mixer	<b>31103</b> research veterinarian
<b>94120</b> resaw operator - sawmill	<b>64312</b> reservation agent - airline
<b>94124</b> resaw operator - woodworking	<b>64310</b> reservation agent - travel agency
<b>94120</b> resaw operator	<b>64101</b> reservation agent - wholesale



<b>64312</b> reservation clerk - airline	<b>42201</b> residential counsellor - group home
<b>64312</b> reservation sales agent - airline	<b>73200</b> residential door installer
<b>64310</b> reservation sales agent - travel agency	<b>72011</b> residential electrician supervisor
<b>64313</b> reservations agent - cruise line	<b>62100</b> residential energy sales adviser
<b>64313</b> reservations agent - railway	<b>73113</b> residential floor and wall covering installer
<b>64313</b> reservations agent (except airline)	<b>70011</b> residential home builder
<b>64313</b> reservations clerk - cruise line	<b>70011</b> residential homes contractor
<b>64314</b> reservations clerk - hotel	<b>72321</b> residential insulation installer
<b>64313</b> reservations clerk - wholesale travel	<b>72420</b> residential oil burner installer and servicer
<b>64313</b> reservations clerk (except airline)	<b>72420</b> residential oil burner mechanic
<b>60031</b> reservations manager	<b>73112</b> residential painter
<b>62022</b> reservations supervisor - airline	<b>13101</b> residential property manager
<b>62022</b> reservations supervisor - hotel	<b>63101</b> residential real estate agent
<b>62022</b> reservations supervisor - travel agency	<b>63101</b> residential real estate salesperson
<b>62022</b> reservations supervisor	<b>70011</b> residential renovation contractor
<b>13100</b> reserve administrator	<b>73200</b> residential room air conditioner installer
<b>14201</b> reserves calculation clerk - financial sector	<b>73110</b> residential steep roofer
<b>22101</b> reservoir engineering technician	<b>73113</b> residential wall and floor covering installer
<b>65310</b> residence cleaner	<b>72200</b> residential wireman/woman
<b>42201</b> residence coordinator - group home	<b>94100</b> residual metal recoverer
<b>33102</b> resident care aide - medical	<b>94100</b> residue filter operator - zinc oxide leach
<b>33102</b> resident companion - medical	<b>73113</b> resilient floor installer
<b>31102</b> resident physician	<b>73113</b> resilient floor layer
<b>31102</b> resident	<b>72106</b> resistance brazer
<b>72102</b> residential (low rise) sheet metal installer	<b>72106</b> resistance seam welder
<b>64410</b> residential alarm system specialist	<b>72106</b> resistance welder tender
<b>21200</b> residential architect	<b>72106</b> resistance welder
<b>65310</b> residential boarding-home cleaner	<b>72106</b> resistance welder-setter
<b>21200</b> residential building architect	<b>72106</b> resistance welding machine setter
<b>73110</b> residential building shingler	<b>72106</b> resistance welding set-up man/woman
<b>22210</b> residential buildings technologist	<b>94201</b> resistor assembler - electronic equipment manufacturing
<b>60040</b> residential cleaning service manager	<b>94201</b> resistor machine feeder
<b>72320</b> residential construction bricklayer	<b>94201</b> resistor-processing equipment operator
<b>00015</b> residential construction company president	<b>60031</b> resort campground manager
<b>72013</b> residential construction foreman/woman	<b>60031</b> resort manager
<b>70010</b> residential construction manager	<b>41401</b> resource economist
<b>73112</b> residential construction painter	<b>51100</b> resource sharing and processing librarian
<b>72300</b> residential construction plumber	<b>22112</b> resource technician - forestry
<b>70010</b> residential construction site manager	<b>73209</b> respirator servicer and fitter
<b>72013</b> residential construction supervisor	<b>31301</b> respiratory care nurse
<b>72200</b> residential construction wirer	

<b>32103</b> respiratory care practitioner	<b>64410</b> retail loss investigator
<b>31100</b> respiratory disease specialist	<b>64410</b> retail loss prevention officer
<b>31301</b> respiratory nurse specialist	<b>41210</b> retail management teacher
<b>32103</b> respiratory technician	<b>65202</b> retail meat cutter
<b>32103</b> respiratory technologist	<b>62101</b> retail merchandiser
<b>32103</b> respiratory therapist	<b>31120</b> retail pharmacist
<b>32103</b> respiratory therapy chief	<b>64100</b> retail sales associate
<b>32103</b> respiratory therapy clinical instructor	<b>64100</b> retail sales clerk
<b>32103</b> respiratory therapy supervisor	<b>60020</b> retail sales manager - e-commerce
<b>31100</b> respirologist	<b>60020</b> retail sales manager
<b>33102</b> respite care aide	<b>64100</b> retail sales representative
<b>44101</b> respite worker - home support	<b>62010</b> retail sales route supervisor
<b>94130</b> respooler - textile manufacturing	<b>64100</b> retail salesperson
<b>65310</b> rest home cleaner	<b>65102</b> retail shelf stocker
<b>65310</b> rest room attendant	<b>52121</b> retail space planner
<b>65310</b> rest room cleaner	<b>62010</b> retail store department head
<b>60030</b> restaurant assistant manager	<b>60020</b> retail store owner
<b>65100</b> restaurant cashier	<b>62010</b> retail store supervisor
<b>00014</b> restaurant chain corporate controller	<b>60020</b> retailer
<b>63200</b> restaurant cook	<b>74200</b> retarder operator - railway yard
<b>65201</b> restaurant counter attendant	<b>60031</b> retirement home manager
<b>64101</b> restaurant equipment sales representative	<b>94140</b> retort battery cook - food and beverage processing
<b>64300</b> restaurant host/hostess	<b>94103</b> retort tender - clay products
<b>21120</b> restaurant inspector	<b>94140</b> retort tender - food and beverage processing
<b>60030</b> restaurant manager trainee	<b>95102</b> retort unloader
<b>60030</b> restaurant manager	<b>53110</b> retoucher - photography
<b>12102</b> restaurant purchasing agent	<b>92013</b> retread tire inspection foreman/woman
<b>12102</b> restaurant purchasing officer	<b>92013</b> retread tire inspection supervisor - rubber products manufacturing
<b>65200</b> restaurant waiter/waitress - formal service	<b>41407</b> returning officer
<b>60030</b> restaurateur - food services	<b>42201</b> return-to-work coordinator - disability management
<b>72310</b> restoration carpenter	<b>42201</b> return-to-work facilitator - disability management
<b>72999</b> restoration steeplejack	<b>63221</b> re-upholsterer
<b>72320</b> restoration stonemason	<b>10010</b> revenue accounting and controls section chief
<b>53100</b> restoration technician - museum	<b>14200</b> revenue accounting clerk
<b>32111</b> restorative dental hygienist	<b>12104</b> revenue agent
<b>94105</b> restrike hammer operator - metal forging	<b>12104</b> revenue officer
<b>63201</b> retail butcher	<b>40011</b> revenue programs chief
<b>62101</b> retail buyer	
<b>60010</b> retail district manager	
<b>00014</b> retail establishment president	
<b>64410</b> retail investigator	

<b>40011</b> revenue programs manager - government services	<b>72106</b> rig welder
<b>12104</b> revenue recovery officer	<b>93200</b> rigger - aircraft assembly
<b>94122</b> revenue stamp cutter	<b>75110</b> rigger - construction
<b>12104</b> revenue supervisor	<b>53111</b> rigger - motion pictures, broadcasting and performing arts
<b>93100</b> reverberatory furnace operator - primary metal processing	<b>72204</b> rigger - telecommunications
<b>41302</b> reverend	<b>75110</b> rigger (except shipbuilding and aircraft assembly)
<b>94100</b> reversing mill operator - primary metal processing	<b>95101</b> rigger helper - shipbuilding
<b>94100</b> reversing rolling mill operator - primary metal processing	<b>75110</b> rigger's helper - construction
<b>41101</b> review lawyer	<b>52119</b> rigging gaffer
<b>51114</b> reviser - translation	<b>83110</b> rigging slinger - logging
<b>94130</b> rewarper - textile manufacturing	<b>43202</b> right of way inspector
<b>94121</b> rewinder - pulp and paper	<b>12102</b> right-of-way agent
<b>94130</b> rewinder - textile manufacturing	<b>94107</b> rimfire cartridge-priming machine tender
<b>94121</b> rewinder tender - pulp and paper	<b>94129</b> ring barker operator - wood processing
<b>51111</b> rewriter	<b>83100</b> ring drill operator
<b>21100</b> rheologist	<b>94130</b> ring frame operator - textile manufacturing
<b>31100</b> rheumatologist	<b>95102</b> ring furnace operator helper
<b>31101</b> rhinologist	<b>94110</b> ring furnace operator
<b>94131</b> rib knitter - textiles	<b>94219</b> ring mandrel worker
<b>94131</b> ribbing machine operator - textiles	<b>94105</b> ring mill operator - metal forging
<b>94219</b> ribbon inker	<b>94130</b> ring spinner - textile manufacturing
<b>94219</b> ribbon winder	<b>94219</b> ring stamper
<b>94219</b> ribbon-looping machine tender	<b>65211</b> rink attendant
<b>94140</b> rice mill worker	<b>65211</b> rink ice maker
<b>94140</b> rice miller	<b>65211</b> rink icer
<b>65211</b> ride attendant	<b>65211</b> rink supervisor
<b>72400</b> ride mechanical technician	<b>94130</b> rinser - textile manufacturing
<b>53200</b> rider	<b>94124</b> rip and groove machine tender - woodworking
<b>54100</b> riding instructor	<b>73400</b> ripper operator - heavy equipment
<b>54100</b> riding master	<b>75110</b> rip-rap placer
<b>72201</b> rig electrician	<b>94124</b> rip-saw grader-operator - woodworking
<b>82021</b> rig manager - oil and gas drilling	<b>94124</b> rip-saw matcher - woodworking
<b>82021</b> rig manager	<b>94120</b> rip-saw operator - sawmill
<b>75119</b> rig mechanic helper	<b>94103</b> rip-saw operator - stone products
<b>72400</b> rig mechanic	<b>94124</b> rip-saw operator - woodworking
<b>83101</b> rig technician - driller	<b>94103</b> rip-sawyer - stone products
<b>84101</b> rig technician - motorhand	<b>41401</b> risk management analyst
<b>84101</b> rig technician - oil field services	<b>94141</b> ritual slaughterer - meat packing plant
	<b>21300</b> river and canal works engineer

<b>85120</b> river driver	<b>64409</b> road transport terminal attendant
<b>72602</b> river pilot	<b>83100</b> roadheader operator
<b>72602</b> riverboat captain	<b>84100</b> roadmaker - underground mining
<b>94100</b> rivet heater - primary metal processing	<b>72021</b> roadmaster - railway
<b>94107</b> rivet maker	<b>21310</b> roadway lighting design engineer
<b>94107</b> rivet shaper	<b>93100</b> roaster operator - primary metal processing
<b>94219</b> rivet tester - boat assembly	<b>94213</b> robotic paint sprayer attendant
<b>94205</b> riveting machine operator - electrical equipment manufacturing	<b>94213</b> robotic spray paint system attendant
<b>94205</b> riveting machine tender - electrical equipment manufacturing	<b>21301</b> robotics engineer
<b>94200</b> road and roll tester	<b>22301</b> robotics servicing technician
<b>14100</b> road clerk	<b>22301</b> robotics systems installer and repairer
<b>72021</b> road construction boss	<b>22301</b> robotics technician
<b>72021</b> road construction foreman/woman	<b>22301</b> robotics technologist
<b>22233</b> road construction inspector	<b>64322</b> rock climbing guide
<b>72023</b> road foreman/woman - railway transport	<b>92010</b> rock crusher foreman/woman - primary metal and mineral products processing
<b>75110</b> road form setter	<b>94100</b> rock crusher tender - primary metal and mineral products processing
<b>73311</b> road freight brakeman/woman	<b>92010</b> rock crushing foreman/woman - primary metal and mineral products processing
<b>72021</b> road gang foreman/woman	<b>85110</b> rock duster - underground mining
<b>73400</b> road grader operator	<b>22101</b> rock mechanics technician
<b>22233</b> road grading inspector	<b>65311</b> rock or brick sandblaster
<b>14100</b> road maintenance clerk	<b>51122</b> rock singer
<b>72021</b> road maintenance foreman/woman	<b>95109</b> rock splitter
<b>75212</b> road maintenance worker - public works	<b>94103</b> rock wool operator - stone products
<b>75212</b> road maintenance worker	<b>83100</b> rockbolter
<b>75110</b> road mixer operator helper	<b>22313</b> rocket components mechanic - avionics
<b>73400</b> road mixer operator	<b>94100</b> rod drawer - primary metal processing
<b>22233</b> road paving inspector	<b>95100</b> rod drawer helper - primary metal processing
<b>73400</b> road planer operator	<b>94100</b> rod mill operator - primary metal processing
<b>73400</b> road roller operator	<b>95100</b> rod puller and coiler - primary metal processing
<b>22231</b> road safety inspector	<b>94105</b> rod-bending machine operator - metal fabrication
<b>74205</b> road snowplow operator - public works	<b>80020</b> rodent breeder
<b>75110</b> road spray truck helper	<b>21120</b> rodent control inspector
<b>22300</b> road technician	<b>21120</b> rodent control officer
<b>94200</b> road test mechanic - motor vehicle manufacturing	<b>80020</b> rodent raiser
<b>94200</b> road test mechanic	<b>55109</b> rodeo driver
<b>22300</b> road traffic technician	<b>55109</b> rodeo horse rider
<b>53100</b> road transport equipment restoration technician - museum	<b>53200</b> rodeo performer
<b>43202</b> road transport inspector	<b>75119</b> rodman/woman - land surveying

<b>72105</b> rodworker apprentice	<b>72400</b> roller repairer - industrial equipment
<b>32209</b> rolfer	<b>94212</b> roller repairer - plastic manufacturing
<b>32209</b> rolfing movement teacher	<b>94112</b> roller repairer - rubber products manufacturing
<b>94105</b> roll bender operator - metal products manufacturing	<b>94212</b> roller repairman/woman - plastic manufacturing
<b>94112</b> roll builder - rubber products manufacturing	<b>94112</b> roller repairman/woman - rubber products manufacturing
<b>72400</b> roll builder-repairer - rolling mills	<b>94140</b> roller room equipment tender - food and beverage processing
<b>92013</b> roll building foreman/woman - rubber manufacturing	<b>54100</b> rollerblading instructor
<b>92013</b> roll building supervisor - rubber products manufacturing	<b>94100</b> roller-leveller operator
<b>95105</b> roll carrier - textile processing	<b>95103</b> rollerman/woman - wood processing
<b>95104</b> roll changer - rubber manufacturing	<b>54100</b> roller-skating instructor
<b>94112</b> roll coverer - rubber products manufacturing	<b>94105</b> roll-forming machine setter - metalworking
<b>94121</b> roll finisher - paper	<b>92010</b> rolling foreman/woman - primary metal processing
<b>94105</b> roll forger	<b>94105</b> rolling machine operator - metal forging
<b>94112</b> roll grinder - rubber products manufacturing	<b>94122</b> rolling machine tender - paper converting
<b>95105</b> roll hauler - textile processing	<b>95100</b> rolling mill catcher - primary metal processing
<b>94105</b> roll operator - metal fabrication	<b>93100</b> rolling mill control operator - primary metal processing
<b>94111</b> roll operator - plastic manufacturing	<b>93100</b> rolling mill control operator
<b>94112</b> roll operator - rubber products manufacturing	<b>92010</b> rolling mill foreman/woman - primary metal processing
<b>94100</b> roll setter - primary metal processing	<b>94100</b> rolling mill guide setter - metal processing
<b>72400</b> roll setter - rolling mills	<b>95100</b> rolling mill helper - primary metal processing
<b>92010</b> roll shop operations coach - steel mill	<b>95100</b> rolling mill labourer - primary metal processing
<b>94122</b> roll slicing machine tender - paper converting	<b>94100</b> rolling mill operator - mineral and metal processing
<b>94100</b> roll table operator - primary metal processing	<b>94100</b> rolling mill preparer - primary metal processing
<b>94200</b> roll tester - motor vehicle manufacturing	<b>95100</b> rolling mill worker - primary metal processing
<b>94107</b> roll threader operator	<b>95100</b> rolling mill worker
<b>95105</b> roll turner - textile processing	<b>94124</b> rolling pin maker - woodworking
<b>94121</b> roll wrapper - paper	<b>95105</b> roll-mat machine feeder - textile processing
<b>94122</b> roll-cutting machine tender - paper converting	<b>94122</b> roll-slitting machine tender - paper converting
<b>94100</b> roller - primary metal processing	<b>94100</b> roll-straightener operator - primary metal processing
<b>94219</b> roller bearing assembly inspector	<b>83100</b> roof bolter
<b>95105</b> roller cleaner - textile processing	<b>73112</b> roof painter
<b>72400</b> roller coverer - textile manufacturing	<b>72014</b> roof shinglers supervisor
<b>94151</b> roller engraver - printing	<b>72014</b> roof shingling supervisor
<b>94130</b> roller machine tender - tannery	<b>73110</b> roof tiler
<b>94140</b> roller mill tender - food and beverage processing	<b>73110</b> roofer and waterproofer
<b>73400</b> roller operator	<b>75110</b> roofer helper
<b>94100</b> roller plate mill - primary metal processing	
<b>94130</b> roller printer - textile manufacturing	

<b>73110</b> roofer trainee	<b>73401</b> rotary offset press operator
<b>73110</b> roofer	<b>73401</b> rotary press operator
<b>72014</b> roofer-contractor (except metal roofs)	<b>83100</b> rotary raise driller - underground mining
<b>72014</b> roofers (except sheet metal roofs) foreman/woman	<b>84100</b> rotary raise driller helper
<b>72014</b> roofers and shinglers supervisor	<b>94105</b> rotary shear operator - metal fabrication
<b>72014</b> roofers foreman/woman	<b>94204</b> rotary tiller assembler
<b>72014</b> roofing contractor (except sheet metal roofs)	<b>73400</b> rotary trencher operator
<b>72014</b> roofing contractor	<b>94106</b> rotary-head milling machine set-up operator
<b>73110</b> roofing mechanic	<b>94203</b> rotating field coil assembler - industrial electrical equipment
<b>72014</b> roofing supervisor	<b>94111</b> rotational moulding operator
<b>65310</b> room attendant	<b>62200</b> rotisserie chef
<b>65310</b> room cleaner	<b>94151</b> rotogravure cylinder technician
<b>64314</b> room clerk - hotel	<b>72022</b> rotogravure foreman/woman
<b>64314</b> room clerk	<b>73401</b> rotogravure press operator - printing
<b>65210</b> room flipper	<b>94130</b> rotogravure press operator - textile manufacturing
<b>65210</b> room porter	<b>72022</b> rotogravure press operators foreman/woman - printing
<b>64314</b> room service clerk - hotel	<b>94151</b> rotogravure press technician
<b>65200</b> room service waiter/waitress	<b>73401</b> rotogravure pressman/woman - printing
<b>60031</b> rooming house keeper	<b>72022</b> rotogravure pressmen/women foreman/woman - printing
<b>60031</b> rooms division director	<b>94101</b> Roto-lift operator - foundry
<b>60031</b> rooms manager - accommodation services	<b>73401</b> rotoprinter - printing
<b>72999</b> rope access technician (RAT)	<b>94203</b> rotor assembler - industrial electrical equipment
<b>94130</b> rope coiler	<b>94203</b> rotor coil former - industrial electrical equipment
<b>72400</b> rope machine setter - textile manufacturing	<b>94203</b> rotor core assembler - industrial electrical equipment
<b>94131</b> rope maker - textiles	<b>72404</b> rotorcraft aircraft maintenance engineer (AME)
<b>65211</b> rope tow attendant	<b>72404</b> rotorcraft maintenance engineer
<b>65211</b> rope tow operator	<b>72404</b> rotorcraft mechanical systems technician
<b>94131</b> rope twister	<b>92023</b> rototiller assembly foreman/woman
<b>94131</b> rope-coiling machine tender - textiles	<b>94213</b> rough benchwork spray painter
<b>94131</b> rope-twisting machine tender	<b>72310</b> rough carpenter
<b>80021</b> rose grower	<b>94124</b> rough mill operator - woodworking
<b>94219</b> rotary brush-making machine operator	<b>73112</b> rough painter - construction
<b>84100</b> rotary driller helper - raise mining	<b>94124</b> rough planer operator - woodworking
<b>75110</b> rotary driller helper - water well	<b>94213</b> rough spray painter - manufacturing
<b>73402</b> rotary drilling machine operator - surface mining and quarrying	<b>94100</b> roughing mill operator - metal processing
<b>73402</b> rotary drilling machine operator	<b>85111</b> roughneck - offshore drilling rig
<b>93101</b> rotary furnace tender - chemical processing	<b>85111</b> roughneck - oil and gas drilling
<b>94100</b> rotary kiln operator - primary metal and mineral products processing	
<b>94100</b> rotary kiln tender - primary metal processing	

<b>85111</b> roughneck	<b>94112</b> rubber cord cutter
<b>64321</b> roulette croupier	<b>94112</b> rubber cord splicer
<b>72020</b> roundhouse foreman/woman - railway	<b>94112</b> rubber curer - rubber products manufacturing
<b>94152</b> rounding and backing machine operator - printing	<b>94112</b> rubber cushion inspector
<b>85111</b> roustabout - offshore drilling rig	<b>94112</b> rubber cutter
<b>85111</b> roustabout - oil and gas drilling	<b>95104</b> rubber cutting machine feeder
<b>85111</b> roustabout	<b>94112</b> rubber drum builder
<b>75211</b> route driver helper	<b>94112</b> rubber fire hose maker
<b>12013</b> route planning supervisor	<b>94112</b> rubber flap curer
<b>64409</b> route supply and return clerk	<b>94112</b> rubber flap presser
<b>94106</b> router operator - metal machining	<b>94112</b> rubber foam cushion fabricator
<b>94124</b> router operator - woodworking	<b>94112</b> rubber footwear maker
<b>94130</b> rover - textile manufacturing	<b>92013</b> rubber footwear moulding supervisor
<b>94130</b> roving frame tender - textile manufacturing	<b>94112</b> rubber footwear parts buffer
<b>94130</b> roving machine operator - textile manufacturing	<b>94112</b> rubber footwear repairer
<b>94133</b> roving weight gauger - textiles	<b>94112</b> rubber footwear tread machine tender
<b>53200</b> rower	<b>94112</b> rubber fuel tank builder
<b>40040</b> Royal Canadian Mounted Police (RCMP) commissioner	<b>94112</b> rubber fuel tank finisher and repairer
<b>42100</b> Royal Canadian Mounted Police (RCMP) officer	<b>92013</b> rubber fuel tank foreman/woman
<b>41407</b> royal commission officer	<b>94112</b> rubber gasket cutter
<b>50011</b> royalties manager - arts	<b>94112</b> rubber gasket finisher
<b>13200</b> royalty broker	<b>94112</b> rubber gasket gluer
<b>94103</b> rubber abrasive wheel grinder	<b>94112</b> rubber gasket maker
<b>94103</b> rubber abrasive wheel maker	<b>92013</b> rubber gasket making foreman/woman
<b>95104</b> rubber and canvas footwear dipper	<b>94112</b> rubber gear moulder
<b>94130</b> rubber and vinyl coater operator - textile manufacturing	<b>94112</b> rubber glove maker
<b>94112</b> rubber band cutter	<b>94112</b> rubber golf ball cover treator
<b>94112</b> rubber belt buffer	<b>94112</b> rubber goods assembler
<b>94112</b> rubber belt builder	<b>94112</b> rubber goods cutter-finisher
<b>94112</b> rubber belt cogger	<b>92013</b> rubber goods dipping foreman/woman
<b>94112</b> rubber belt maker	<b>92013</b> rubber goods dipping supervisor
<b>94112</b> rubber boot cutter	<b>94112</b> rubber goods inspector
<b>94112</b> rubber boot maker	<b>94112</b> rubber goods machine operator
<b>94112</b> rubber cement mixer	<b>94112</b> rubber goods press operator
<b>94112</b> rubber closure installer	<b>94112</b> rubber goods repairer
<b>94112</b> rubber coater	<b>95104</b> rubber goods seamer
<b>95104</b> rubber compound weigher	<b>94112</b> rubber grinder
<b>95104</b> rubber compounder	<b>94112</b> rubber hose builder
<b>94112</b> rubber cord assembler	<b>92013</b> rubber hose building supervisor
	<b>95104</b> rubber hose checker
	<b>92013</b> rubber hose foreman/woman

<b>92013</b> rubber hose inspection and testing foreman/woman	<b>94112</b> rubber tubing splicer
<b>94112</b> rubber lining installer	<b>94112</b> rubber V-belt builder
<b>95104</b> rubber manufacturing roll changer	<b>94112</b> rubber V-belt coverer
<b>94112</b> rubber mill operator	<b>94112</b> rubber V-belt curer
<b>94112</b> rubber moulder operator - rubber products manufacturing	<b>94112</b> rubber V-belt finisher
<b>94112</b> rubber press operator	<b>94112</b> rubber V-belt skiver
<b>94112</b> rubber processing machine operator	<b>94130</b> rubber-coating and vinyl-coating machine operator - textile manufacturing
<b>64101</b> rubber product sales representative - wholesale	<b>95104</b> rubber-cutting machine feeder
<b>94112</b> rubber products assembler	<b>94112</b> rubber-cutting machine operator
<b>92013</b> rubber products inspection supervisor	<b>72400</b> rubberizing machine mechanic
<b>92013</b> rubber products inspector foreman/woman	<b>94112</b> rubber-strap-folding machine tender
<b>94112</b> rubber products inspector	<b>65311</b> rug cleaner
<b>92013</b> rubber products inspectors supervisor	<b>62029</b> rug cleaning foreman/woman - dry cleaning
<b>92013</b> rubber products manufacturing foreman/woman	<b>53123</b> rug designer
<b>95104</b> rubber products manufacturing helper	<b>73113</b> rug installer
<b>94112</b> rubber products manufacturing inspector	<b>94132</b> rug joiner
<b>95104</b> rubber products manufacturing labourer	<b>73113</b> rug layer
<b>95104</b> rubber products manufacturing machine operator helper	<b>94130</b> rug setter - textile manufacturing
<b>92013</b> rubber products manufacturing supervisor	<b>94132</b> rug sewer
<b>94112</b> rubber products polisher	<b>94112</b> rug underlay machine operator - rubber products manufacturing
<b>95104</b> rubber products seamer	<b>94131</b> rug weaver
<b>94112</b> rubber products tester	<b>94130</b> rug-coating machine operator
<b>94112</b> rubber products trimmer	<b>53124</b> rughooker
<b>94112</b> rubber products washer-dryer	<b>94130</b> rug-yarn-setting machine operator - textile manufacturing
<b>90010</b> rubber products-manufacturing plant manager	<b>94150</b> ruling machine operator - printing
<b>94112</b> rubber roll grinding inspector	<b>74102</b> runner - courier service
<b>94112</b> rubber shoe cementer	<b>70020</b> runway manager
<b>94112</b> rubber shoe strap maker	<b>72021</b> runway paving foreman/woman
<b>94112</b> rubber slab inspector	<b>40010</b> rural and Aboriginal housing regional manager - government services
<b>94112</b> rubber snowtrack builder	<b>40010</b> rural and Aboriginal housing services district director - government services
<b>94112</b> rubber sole maker	<b>40010</b> rural and Native housing regional manager - government services
<b>94112</b> rubber splicer	<b>40010</b> rural and Native housing services district director - government services
<b>94112</b> rubber splitter - rubber products manufacturing	<b>20011</b> rural development manager
<b>94112</b> rubber sponge gasket assembler	<b>41402</b> rural development officer
<b>94112</b> rubber squeegee splicer	<b>20011</b> rural development program manager
<b>94112</b> rubber stamp maker	<b>21110</b> rural ecologist
<b>94112</b> rubber stripper and applier	
<b>94112</b> rubber trimmer	
<b>94112</b> rubber tube vulcanizer tender	



**21310** rural electrification engineer  
**40010** rural housing programs director - government services  
**74101** rural mail carrier  
**41409** rural sociologist  
**72205** rural telephone maintainer  
**94213** rustproof coater - motor vehicle manufacturing  
**94213** rustproof sprayer - motor vehicle manufacturing

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**95105** saddle cutter - leather products manufacturing  
**94124** saddle machine tender - woodworking  
**94152** saddle stitching machine operator - printing  
**94152** saddle stitching machine set-up operator - printing  
**72999** safe and vault installer-servicer  
**72999** safe and vault repairer  
**72999** safe and vault servicer  
**72999** safe and vault technician  
**72999** safe expert  
**72999** safe maker  
**21120** safety and sanitary inspector - public and environmental health  
**14201** safety deposit box clerk  
**62023** safety deposit box supervisor  
**94219** safety earmuffs assembler  
**21321** safety engineer  
**62100** safety equipment salesperson  
**94212** safety goggle assembly repairer - plastic products manufacturing  
**22233** safety officer - construction  
**22232** safety officer  
**42100** safety patrol officer - police  
**94107** safety pin machine set-up operator  
**22232** safety practitioner  
**94219** safety razor blade honer  
**94219** safety razor blade inspector  
**94219** safety razor blade maker  
**22232** safety supervisor - occupational health and safety  
**94103** saggar moulder - clay products  
**95100** saggar placer - clay products manufacturing  
**53125** sail lay-out and patternmaker  
**53125** sail maker  
**53200** sailboarder  
**94219** sailboat assembler  
**95105** sailcloth cutter - fabric products manufacturing  
**43109** sailing instructor  
**65201** salad and sandwich maker  
**65201** salad bar attendant  
**94140** salad dressing finisher  
**65201** salad maker  
**13102** salary administration officer  
**41401** salary analyst - economic policy  
**11200** salary analyst  
**10011** salary research and administration manager  
**60010** sales administrator  
**64100** sales advisor - retail  
**10022** sales agency marketing division director  
**64313** sales agent - railway  
**64101** sales agent - wholesale (non-technical)  
**21112** sales agronomist  
**41402** sales analyst  
**10022** sales and advertising manager  
**00014** sales and advertising vice-president - trade, broadcasting and other services  
**60010** sales and distribution manager  
**10022** sales and marketing director  
**10022** sales and marketing manager  
**11202** sales and promotions coordinator  
**10022** sales and publicity manager  
**64100** sales and rental clerk  
**64100** sales assistant  
**63102** sales associate - personal banking  
**64100** sales associate - retail  
**11100** sales auditor - finances  
**62100** sales broker - wholesale  
**62010** sales clerk supervisor  
**64100** sales clerk  
**64100** sales consultant - retail  
**64100** sales consultant - retirement homes  
**64101** sales consultant - wholesale (non-technical)  
**64101** sales coordinator - wholesale (non-technical)

<b>10022</b> sales director - computer marketing development	<b>62101</b> salvage buyer
<b>60010</b> sales director (except retail and wholesale)	<b>14401</b> salvage clerk
<b>60010</b> sales district manager (except insurance and real estate)	<b>60020</b> salvage dealer
<b>62100</b> sales engineer	<b>72999</b> salvage diver
<b>64101</b> sales executive - wholesale (non-technical)	<b>82020</b> salvage foreman/woman - mining
<b>00014</b> sales general manager - trade, broadcasting and other services	<b>94104</b> salvage glass inspector
<b>64100</b> sales greeter	<b>94201</b> salvage operator - electronic equipment manufacturing
<b>60010</b> sales manager (except retail and wholesale)	<b>94124</b> salvage sawyer - woodworking
<b>63102</b> sales officer - financial	<b>94121</b> salvage winder operator - papermaking
<b>64100</b> sales order clerk	<b>42204</b> Salvation Army captain
<b>60010</b> sales planning manager	<b>41302</b> Salvation Army commissioned officer
<b>64100</b> sales promotion clerk	<b>42204</b> Salvation Army field worker
<b>10022</b> sales promotion manager	<b>42204</b> Salvation Army worker
<b>12011</b> sales records supervisor	<b>94133</b> sample checker - textiles
<b>64100</b> sales representative - retail	<b>95109</b> sample clerk - fabric products
<b>64101</b> sales representative - wholesale (non-technical)	<b>14401</b> sample clerk - storage and warehousing
<b>13110</b> sales secretary	<b>14401</b> sample control clerk
<b>21210</b> sales statistician	<b>95105</b> sample cutter - fabric, fur and leather products manufacturing
<b>62010</b> sales supervisor - retail	<b>95105</b> sample cutter
<b>62010</b> sales supervisor	<b>75201</b> sample distributor
<b>00015</b> sales vice-president - goods production, utilities, transportation and construction	<b>94131</b> sample knitter
<b>00015</b> sales vice-president - pulp and paper manufacturing	<b>95102</b> sample preparer - chemical processing
<b>00014</b> sales vice-president - trade, broadcasting and other services	<b>94133</b> sample preparer - textiles
<b>64100</b> salesperson - retail	<b>94130</b> sample printer - textile manufacturing
<b>64101</b> salesperson - wholesale (non-technical)	<b>92015</b> sample room foreman/woman - fabric, fur and leather products manufacturing
<b>80022</b> salmon farmer	<b>92015</b> sample room foreman/woman - leather products
<b>80022</b> salmon grower	<b>95109</b> sample room worker
<b>94100</b> salt compactor operator	<b>94132</b> sample sewer
<b>94100</b> salt compressor operator	<b>95105</b> sample steamer
<b>94100</b> salt crusher	<b>94104</b> sample tester - primary metal and mineral products processing
<b>92010</b> salt milling supervisor	<b>94131</b> sample weaver
<b>95106</b> salt packer	<b>95102</b> sampler - chemical processing
<b>94100</b> salt processor	<b>95106</b> sampler - food and beverage processing
<b>94100</b> salt refiner	<b>94104</b> sampler - primary metal and mineral products processing
<b>95100</b> salt screening labourer	<b>94133</b> sampler - textiles
<b>74205</b> salt truck operator - public works	<b>92013</b> sampling supervisor - rubber and plastic products manufacturing
<b>74205</b> salt truck operator	

<b>22233</b> sand and gravel inspector - construction	<b>94124</b> sash and door end matcher - woodworking
<b>94101</b> sand control operator - foundry	<b>94211</b> sash and door inspector - millwork manufacturing
<b>94101</b> sand coremaker	<b>94211</b> sash and door inspector
<b>82020</b> sand fill boss - underground mining	<b>94211</b> sash and door manufacturing repairman/woman
<b>84100</b> sand fill man/woman - hydraulic stowing	<b>92024</b> sash and door shop foreman/woman
<b>84100</b> sand fill man/woman	<b>21310</b> satellite antenna engineer
<b>94101</b> sand floor moulder - foundry	<b>73200</b> satellite antenna installer
<b>94101</b> sand mill operator - foundry	<b>22311</b> satellite antenna servicer
<b>94101</b> sand moulder	<b>21311</b> satellite data transmission engineer
<b>94101</b> sand processing operator - foundry	<b>73200</b> satellite dish installer
<b>74205</b> sand spreader operator - public works	<b>21310</b> satellite instrumentation engineer
<b>74205</b> sand spreader operator	<b>72205</b> satellite receiver installer
<b>94101</b> sand system operator - foundry	<b>72205</b> satellite receiving equipment installer
<b>94103</b> sandblast operator - stone products	<b>21230</b> satellite scientific telecommunications programmer
<b>95101</b> sandblaster - metal products manufacturing	<b>22310</b> satellite technician
<b>95101</b> sandblaster operator - metal products manufacturing	<b>22310</b> satellite technologist
<b>65311</b> sandblaster	<b>72205</b> satellite television service installation technician
<b>65311</b> sandblasting building cleaner	<b>22310</b> satellite verification technologist
<b>95101</b> sandblasting machine tender - metal products manufacturing	<b>94210</b> satin finisher - furniture finishing and refinishing
<b>94129</b> sander operator - wood processing	<b>95102</b> saturating machine feeder - chemical processing
<b>94211</b> sanding inspector - woodworking	<b>94110</b> saturating machine tender - chemical processing
<b>94124</b> sanding machine feeder - woodworking	<b>94130</b> saturator - textile manufacturing
<b>94140</b> sanding machine tender - food and beverage processing	<b>94110</b> saturator machine operator - chemical processing
<b>74205</b> sanding truck operator - public works	<b>62200</b> saucier
<b>94101</b> sand-slinger operator - foundry	<b>60040</b> sauna manager
<b>65201</b> sandwich artist	<b>65329</b> sauna room attendant
<b>65201</b> sandwich maker	<b>95106</b> sausage casing curer
<b>65201</b> sandwich, salad and dessert maker	<b>94140</b> sausage dryer and smoker
<b>21120</b> sanitary department inspector - environmental health	<b>95106</b> sausage linker - food and beverage processing
<b>21300</b> sanitary engineer	<b>94140</b> sausage maker
<b>92011</b> sanitary service foreman/woman	<b>95106</b> sausage tier - food and beverage processing
<b>90011</b> sanitary sewer service manager	<b>95106</b> sausage wrapper - food and beverage processing
<b>21120</b> sanitary standards inspector	<b>94140</b> sausage-peeling machine tender
<b>21300</b> sanitation engineer	<b>64400</b> savings account teller - financial services
<b>75212</b> sanitation man/woman	<b>14201</b> savings accounts clerk - financial sector
<b>74205</b> sanitation truck driver	<b>62023</b> savings accounts supervisor
<b>75212</b> sanitation worker	<b>62023</b> savings and credit service supervisor
<b>55109</b> Santa Claus/Mrs. Claus	

<b>62023</b> savings supervisor	<b>22112</b> scaler - forestry
<b>94107</b> saw blade miller	<b>95100</b> scaler - primary metal processing
<b>72999</b> saw doctor	<b>22112</b> scaler technician - logging
<b>72999</b> saw filer	<b>22112</b> scalers supervisor
<b>72999</b> saw fitter	<b>22112</b> scaling coordinator - logging
<b>72999</b> saw fitter-filer	<b>83121</b> scallop dredger
<b>94107</b> saw knife miller	<b>94142</b> scallop shucker - fish and seafood processing
<b>72999</b> saw maker	<b>63211</b> scalp treatment specialist
<b>94105</b> saw operator - metal fabrication	<b>95100</b> scalping helper - primary metal processing
<b>94120</b> saw operator - sawmill	<b>94151</b> scanner operator - printing
<b>94124</b> saw operator - woodworking	<b>14112</b> scanning machine operator - desktop publishing
<b>72999</b> saw repairer	<b>94129</b> scarf gluer - wood processing
<b>72999</b> saw repairman/woman	<b>94107</b> scarfer-borer - metal products manufacturing
<b>95103</b> saw tailer - wood processing	<b>94107</b> scarfing and boring machine operator
<b>94120</b> sawdust reclaim operator - sawmill	<b>94129</b> scarfing machine tender - wood processing
<b>94120</b> sawing machine operator - sawmill	<b>84111</b> scarification equipment operator - forestry
<b>94124</b> sawing machine operator - woodworking	<b>84111</b> scarification equipment operator
<b>94124</b> sawing machine tender - woodworking	<b>84111</b> scarifier operator - silviculture
<b>40041</b> sawmill fire chief	<b>73400</b> scarifier operator
<b>92014</b> sawmill foreman/woman	<b>53123</b> scene designer assistant
<b>95103</b> sawmill labourer	<b>53123</b> scene designer
<b>94120</b> sawmill machine operator	<b>53111</b> scene shifter
<b>72999</b> sawmill saw fitter	<b>53122</b> scenery painter
<b>92014</b> sawmill supervisor	<b>53111</b> scenic artist - motion pictures, broadcasting and performing arts
<b>95103</b> sawmill worker	<b>53111</b> scenic constructor - motion pictures, broadcasting and performing arts
<b>72999</b> sawsmith	<b>53111</b> scenic constructor
<b>94120</b> sawyer - sawmill	<b>53111</b> scenic painter - motion pictures, broadcasting and performing arts
<b>94124</b> sawyer - woodworking	<b>53122</b> scenic painter - visual arts
<b>75110</b> scaffold erector helper	<b>14405</b> schedule analyst
<b>75110</b> scaffold erector	<b>14402</b> schedule clerk
<b>73209</b> scaffold repairer	<b>14405</b> schedule control clerk
<b>75110</b> scaffolder	<b>14405</b> schedule maker
<b>94103</b> scagliola caster - stone products	<b>14405</b> schedule writer
<b>94219</b> scale assembler	<b>14405</b> scheduler - transit system
<b>92024</b> scale assembly foreman/woman	<b>14402</b> scheduling clerk
<b>72999</b> scale calibrator	<b>12013</b> scheduling clerks supervisor
<b>94219</b> scale inspector	<b>22302</b> scheduling technician - manufacturing
<b>94219</b> scale maker	<b>41320</b> school adjustment officer
<b>73209</b> scale mechanic	<b>41405</b> school adjustment specialist
<b>73209</b> scale repairer	
<b>94100</b> scalehouse operator - zinc melting	

<b>40021</b> school board administrator	<b>51101</b> science and technology museum curator
<b>40012</b> school board services manager	<b>41405</b> science coordinator - education
<b>00010</b> school board trustee	<b>40020</b> science dean
<b>73301</b> school bus driver - special needs passengers	<b>41220</b> science high school teacher
<b>73301</b> school bus driver	<b>41220</b> science teacher - secondary school
<b>72024</b> school bus drivers supervisor	<b>00013</b> scientific association chairperson
<b>45100</b> school bus monitor	<b>41400</b> scientific consultant
<b>41320</b> school counsellor	<b>51110</b> scientific editor
<b>45100</b> school crossing guard	<b>53124</b> scientific glass apparatus blower
<b>65312</b> school custodian	<b>41409</b> scientific handwriting expert
<b>40021</b> school district assistant superintendent	<b>52120</b> scientific illustrator
<b>40021</b> school district superintendent	<b>72999</b> scientific instrument calibrator
<b>41320</b> school guidance department head	<b>62100</b> scientific instrument sales representative
<b>31301</b> school health nurse	<b>51100</b> scientific librarian
<b>40012</b> school inspection director - public administration	<b>53110</b> scientific photographer
<b>41405</b> school inspector	<b>21230</b> scientific programmer
<b>65312</b> school janitor	<b>20011</b> scientific research department manager
<b>42100</b> school liaison officer - police	<b>20011</b> scientific research director
<b>45100</b> school lunchroom supervisor	<b>20011</b> scientific research manager
<b>70012</b> school maintenance manager	<b>51114</b> scientific translator
<b>45100</b> school monitor	<b>51112</b> scientific writer
<b>31301</b> school nurse	<b>83100</b> scoop operator - underground mining
<b>60040</b> school of art manager	<b>83100</b> scooptram operator - underground mining
<b>40020</b> school of nursing dean	<b>83100</b> scooptram operator
<b>40020</b> school of nursing director	<b>53202</b> scoreboard operator
<b>40020</b> school of technology dean	<b>53202</b> scorekeeper
<b>40020</b> school of technology director	<b>94122</b> scorer - paper converting
<b>40020</b> school of technology manager	<b>94130</b> scouring machine operator
<b>40021</b> school principal	<b>75210</b> scow captain
<b>31200</b> school psychologist	<b>75210</b> scow operator
<b>42100</b> school safety officer - police	<b>94120</b> scrag-saw operator - sawmill
<b>13110</b> school secretary	<b>62101</b> scrap buyer
<b>40012</b> school services director - public administration	<b>95100</b> scrap machine helper - primary metal processing
<b>40012</b> school services director	<b>95100</b> scrap metal baler - primary metal processing
<b>41300</b> school social worker	<b>60020</b> scrap metal dealer
<b>41405</b> school subjects consultant	<b>95100</b> scrap metal loader
<b>40021</b> school superintendent	<b>95100</b> scrap metal processor - primary metal processing
<b>41220</b> school teacher - secondary school	<b>94100</b> scrap metal remelter - primary metal processing
<b>40021</b> school vice-principal	<b>64100</b> scrap metal salesperson
<b>51101</b> science and technology curator	

<b>94100</b> scrap metal shredder operator - primary metal processing	<b>94107</b> scribing machine tender
<b>94100</b> scrap metal shredder	<b>51111</b> script and dialogue writer
<b>95100</b> scrap metal sorter and baler - primary metal processing	<b>53111</b> script assistant
<b>92010</b> scrap metal yard foreman/woman	<b>51110</b> script editor
<b>95103</b> scrap piler - wood processing	<b>53111</b> script person - motion pictures and broadcasting
<b>92010</b> scrap preparation foreman/woman - primary metal and mineral products processing	<b>52119</b> script supervisor
<b>92010</b> scrap preparation foreman/woman - primary metal processing	<b>51111</b> script writer
<b>94112</b> scrap rubber grinder - recycling	<b>94107</b> scroll machine tender
<b>95100</b> scrap shredder helper	<b>94124</b> scroll saw operator - woodworking
<b>95100</b> scrap yard worker - primary metal processing	<b>94131</b> scroll-quilting machine operator
<b>73400</b> scraper operator	<b>31301</b> scrub nurse
<b>94110</b> scratcher tender - chemical processing	<b>94219</b> scrubber brush assembler
<b>94130</b> scray machine feeder	<b>94219</b> scrubber brush maker
<b>95103</b> screen cleaner - pulp and paper	<b>94100</b> scrubber operator
<b>95104</b> screen cleaner - rubber products manufacturing	<b>95100</b> scrubber tender - mineral products processing
<b>94150</b> screen print operator	<b>42100</b> scuba diver - police
<b>53124</b> screen printing artisan	<b>42100</b> scuba-diving specialist - police
<b>95109</b> screen printing machine feeder	<b>94130</b> scudder - hide and pelt processing
<b>94150</b> screen printing machine operator - printing	<b>53122</b> sculptor
<b>95109</b> screen printing paster	<b>53122</b> sculptor-modeller
<b>92014</b> screen room foreman/woman - pulp and paper	<b>51101</b> sculpture conservator
<b>94121</b> screen room operator - pulp and paper	<b>41200</b> sculpture professor - university
<b>52111</b> screen stencil cutter - graphic arts	<b>53122</b> sculpture teacher (except primary, secondary, post-secondary education)
<b>94121</b> screen tender - pulp and paper	<b>53122</b> sculpturing teacher (except primary, secondary, post-secondary education)
<b>51111</b> screen writer	<b>95105</b> scutcher tender
<b>94110</b> screener - chemical processing	<b>85102</b> sea farm attendant
<b>95100</b> screening equipment helper - primary metal and mineral products processing	<b>85102</b> sea farm worker
<b>95104</b> screening machine feeder - rubber products manufacturing	<b>22101</b> sea-bottom technologist
<b>94140</b> screening machine tender - food and beverage processing	<b>22110</b> sea-farming technologist
<b>64410</b> screening officer	<b>22101</b> sea-floor technologist
<b>94151</b> screenmaker	<b>64100</b> seafood counter clerk
<b>94121</b> screenman/woman - pulp and paper	<b>94142</b> seafood preparer - fish and seafood processing
<b>94130</b> screen-printing machine operator - textile manufacturing	<b>64100</b> seafood sales clerk
<b>94106</b> screw machine operator - metal machining	<b>85104</b> seal hunter - hunting and trapping
<b>94106</b> screw threader	<b>94110</b> sealant operator - chemical processing
	<b>93200</b> sealer - aircraft assembly
	<b>85104</b> sealer - hunting and trapping
	<b>94200</b> sealer operator - motor vehicle manufacturing
	<b>85104</b> sealer

<b>94122</b> sealing machine tender - paper converting	<b>52100</b> secondary school librarian
<b>75110</b> seam caulker - construction	<b>40021</b> secondary school principal
<b>44200</b> seaman - Royal Canadian Navy	<b>40012</b> secondary school programs director
<b>74201</b> seaman/woman	<b>41220</b> secondary school reading clinician
<b>94219</b> seamless ball moulder	<b>41220</b> secondary school teacher
<b>94131</b> seamless hosiery knitter	<b>41220</b> secondary school vocational teacher
<b>94100</b> seamless steel billet piercer - primary metal processing	<b>92100</b> second-class power engineer
<b>94100</b> seamless tube roller - primary metal processing	<b>92100</b> second-class stationary engineer
<b>64200</b> seamstress	<b>41210</b> second-language instructor - language school
<b>40042</b> search and rescue captain	<b>94133</b> seconds inspector-grader
<b>54100</b> search and rescue crew member - sports and recreation	<b>42100</b> secret service officer
<b>72999</b> search and rescue diver	<b>40020</b> secretarial college director
<b>53111</b> searchlight operator	<b>13110</b> secretary (except legal and medical)
<b>60031</b> seasonal resort manager	<b>00011</b> secretary to the council - government services
<b>85120</b> seasonal swamper - logging forestry	<b>13110</b> secretary-clerk
<b>85120</b> seasonal swamper - logging	<b>82031</b> section grower - cannabis
<b>85120</b> seasonal tree planter	<b>75211</b> section labourer - railway
<b>75212</b> seasonal worker - public works	<b>72204</b> section lineman/woman - telecommunications
<b>95106</b> seasoning mixer - food and beverage processing	<b>60020</b> section manager - retail
<b>94200</b> seat assembler - motor vehicle manufacturing	<b>74200</b> section worker - railway
<b>94219</b> seat belt assembly inspector	<b>11103</b> securities agent
<b>75110</b> seat installer - construction	<b>11102</b> securities analyst - personal finances
<b>83121</b> seaweed dragger	<b>11101</b> securities analyst
<b>85102</b> seaweed gatherer	<b>10020</b> securities and investment manager
<b>83121</b> seaweed harvesting machine operator	<b>14201</b> securities clerk - financial sector
<b>62200</b> second chef	<b>11102</b> securities counsellor
<b>63200</b> second cook	<b>10020</b> securities manager
<b>53111</b> second costumes assistant	<b>11103</b> securities representative
<b>72602</b> second deck officer	<b>11101</b> securities research analyst
<b>72603</b> second engineer - water transport	<b>10020</b> securities research director
<b>72603</b> second engineer	<b>10020</b> securities research manager
<b>40012</b> second language program director	<b>11103</b> securities sales agent
<b>40042</b> second lieutenant	<b>10020</b> securities sales director
<b>72602</b> second mate - inland waters	<b>11103</b> securities salesman/woman
<b>72602</b> second mate	<b>11103</b> securities trader
<b>72600</b> second officer - air transport	<b>11109</b> securities underwriter
<b>41407</b> second secretary - foreign service	<b>64410</b> security agent
<b>41220</b> secondary school department head	<b>64410</b> security alarm system consultant
<b>40012</b> secondary school education director	<b>22311</b> security alarms installer
	<b>22311</b> security alarms technician
	<b>64410</b> security analysis officer - postal service

<b>64410</b> security and investigations officer	<b>22101</b> seismic exploration line crew coordinator
<b>42100</b> security constable - police	<b>22101</b> seismic exploration observer
<b>64410</b> security consultant (except computer systems)	<b>85111</b> seismic GPS rover
<b>10019</b> security department manager	<b>85111</b> seismic line cutter
<b>64410</b> security gate attendant	<b>73402</b> seismic prospecting driller
<b>64410</b> security guard - explosives	<b>85111</b> seismic prospecting observer helper
<b>62029</b> security guard supervisor	<b>22101</b> seismic prospecting observer
<b>64410</b> security guard	<b>22101</b> seismic survey coordinator
<b>64410</b> security investigator	<b>85111</b> seismic survey helper
<b>11201</b> security management specialist	<b>22101</b> seismic technician
<b>10019</b> security manager	<b>21102</b> seismologist
<b>42100</b> security officer - police	<b>22101</b> seismology technician - petroleum geology
<b>64410</b> security officer	<b>22101</b> seismology technologist - petroleum geology
<b>64410</b> security screening guard	<b>22101</b> seismometer technician
<b>64410</b> security screening officer	<b>41407</b> select committee officer
<b>10029</b> security service manager	<b>95100</b> selenium recovery helper - primary metal processing
<b>64101</b> security services sales consultant - wholesale	<b>43109</b> self-improvement course instructor
<b>64101</b> security services sales consultant	<b>51112</b> self-instruction manual writer
<b>64101</b> security services sales representative - wholesale	<b>72602</b> self-propelled barge captain
<b>64101</b> security services sales representative	<b>72602</b> self-propelled barge deck officer
<b>64410</b> security specialist (except computer systems)	<b>72603</b> self-propelled barge marine engineer officer
<b>64101</b> security system salesperson	<b>72602</b> self-propelled drilling rig captain
<b>22311</b> security systems technician	<b>72603</b> self-propelled drilling rig chief engineer
<b>21102</b> sedimentary geologist	<b>72603</b> self-propelled drilling rig first engineer
<b>21102</b> sedimentologist	<b>72602</b> self-propelled drilling rig first mate
<b>82030</b> seed cleaning service contractor	<b>72603</b> self-propelled drilling rig marine engineer officer
<b>84111</b> seed cone collector	<b>72602</b> self-propelled drilling rig master
<b>84111</b> seed cone picker	<b>72602</b> self-propelled drilling rig mate
<b>94143</b> seed corn grader	<b>72603</b> self-propelled drilling rig second engineer
<b>22111</b> seed crop inspector	<b>72602</b> self-propelled oil rig deck officer
<b>80020</b> seed farmer	<b>65100</b> self-serve gas bar attendant
<b>22111</b> seed grains inspector	<b>65100</b> self-serve gas bar cashier
<b>80020</b> seed grower	<b>94201</b> semiconductor assembler
<b>95109</b> seed packager	<b>92021</b> semiconductor assembly foreman/woman
<b>80020</b> seed producer	<b>94201</b> semiconductor calibrator
<b>22110</b> seed technologist	<b>94201</b> semiconductor material gauger - electronic equipment manufacturing
<b>82030</b> seeding contractor	<b>94201</b> semiconductor mounter
<b>84121</b> seiner deckhand	<b>21100</b> semiconductor physicist
<b>83121</b> seiner fisherman/woman	<b>41407</b> Senate committee officer
<b>84101</b> seismic buried facilities locator	



<b>00010</b> senator	<b>00012</b> senior vice-president and chief economist
<b>11100</b> senior accounting analyst	<b>94110</b> separation press tender
<b>14200</b> senior accounting clerk	<b>94140</b> separator operator - food processing
<b>10021</b> senior accounts manager - banking, credit and investment	<b>94140</b> separator-pasteurizer - food processing
<b>21210</b> senior actuarial analyst	<b>72014</b> septic system contractor
<b>33109</b> senior adjuvant	<b>73200</b> septic system installer
<b>12200</b> senior bookkeeper	<b>65311</b> septic tank cleaner
<b>12102</b> senior buyer - purchasing	<b>73200</b> septic tank installer
<b>62101</b> senior buyer - retail or wholesale	<b>60040</b> septic tank service manager
<b>14201</b> senior claims clerk	<b>00011</b> sergeant-at-arms of the House of Commons
<b>11100</b> senior cost accountant	<b>94132</b> serger - garment manufacturing
<b>51110</b> senior editor	<b>94132</b> serging machine operator
<b>22303</b> senior estimator - construction	<b>51111</b> serial story writer
<b>11101</b> senior financial analyst	<b>51111</b> serial writer
<b>22112</b> senior fire control technician	<b>21110</b> serologist
<b>40041</b> senior firefighting officer	<b>32120</b> serology technologist
<b>82020</b> senior foreman/woman - mining	<b>94107</b> serrating machine operator
<b>11200</b> senior industrial relations officer	<b>94107</b> serrating machine tender - metal products manufacturing
<b>11100</b> senior intern auditor	<b>65200</b> server - food and beverage services
<b>11101</b> senior investment officer	<b>22220</b> server administrator
<b>21201</b> senior landscape architect	<b>64409</b> service adviser
<b>63102</b> senior loans officer	<b>64409</b> service advisor - auto repair
<b>10021</b> senior manager - personal financial services	<b>33102</b> service assistant - medical
<b>52110</b> senior motion picture camera operator	<b>14101</b> service assistant - telephone system
<b>11200</b> senior negotiating officer - labour dispute resolution	<b>33102</b> service associate - medical
<b>93101</b> senior operator - chemical processing	<b>65101</b> service attendant - gas station
<b>32124</b> senior pharmacy technician	<b>33102</b> service attendant - medical
<b>21202</b> senior planner - land use	<b>64301</b> service bartender
<b>11101</b> senior planning and return analyst	<b>72205</b> service centre technician - telecommunications
<b>11101</b> senior planning and yield analyst	<b>64409</b> service consultant - auto repair
<b>90010</b> senior plant manager	<b>84100</b> service crew worker - underground mining
<b>73401</b> senior press operator - printing	<b>22221</b> service desk analyst
<b>73401</b> senior pressman/woman - printing	<b>14404</b> service dispatcher
<b>32121</b> senior radiation therapy technologist	<b>72205</b> service inspector - telecommunications
<b>14405</b> senior schedule writer	<b>72203</b> service lineman/woman - electric power systems
<b>12101</b> senior staffing officer	<b>60020</b> service manager - retail
<b>64400</b> senior teller - financial services	<b>85111</b> service rig helper - oil field services
<b>11101</b> senior treasury analyst	<b>85111</b> service rig helper
<b>12202</b> senior underwriter - insurance	<b>83101</b> service rig operator - oil field services

<b>85111</b> service rig operator helper	<b>21120</b> sewage disposal inspector - environmental health
<b>83101</b> service rig operator	<b>90011</b> sewage disposal manager
<b>85111</b> service rig roughneck - oil field services	<b>75110</b> sewage pipelayer
<b>65101</b> service station attendant apprentice	<b>90011</b> sewage plant manager
<b>65101</b> service station attendant	<b>92101</b> sewage plant operator
<b>43202</b> service station inspector	<b>90011</b> sewage treatment plant manager
<b>60020</b> service station manager	<b>72400</b> sewage treatment plant mechanic
<b>72421</b> service technician - electrical appliances	<b>92011</b> sewage treatment plant supervisor
<b>72421</b> service technician - gas appliances	<b>90011</b> sewage treatment system director
<b>73209</b> service technician - home health care equipment	<b>92101</b> sewage-processing equipment tender
<b>22311</b> service technician - household and business equipment	<b>94132</b> sewer - garment manufacturing
<b>72410</b> service technician - motor vehicle repair	<b>72021</b> sewer construction foreman/woman
<b>22311</b> service technicians supervisor - household and business equipment	<b>22233</b> sewer construction inspector
<b>72204</b> service tracer - telecommunications	<b>75110</b> sewer digger
<b>64409</b> service writer - auto repair	<b>74205</b> sewer flusher operator-driver - public works
<b>12102</b> services contracts negotiator	<b>72021</b> sewer installation foreman/woman
<b>40012</b> services manager - education programs	<b>74205</b> sewer jet cleaner operator - public works
<b>51122</b> session musician	<b>74205</b> sewer jet machine operator - public works
<b>53111</b> set builder	<b>75212</b> sewer maintenance worker
<b>53123</b> set decorator - theatre and motion pictures	<b>92011</b> sewer services foreman/woman
<b>53123</b> set designer - theatre	<b>75212</b> sewer system maintenance worker
<b>53111</b> set dresser	<b>74205</b> sewer-flushing truck operator - public works
<b>52119</b> set electrician	<b>74205</b> sewer-flushing truck operator
<b>62202</b> setter - jewellery manufacturing	<b>74205</b> sewer-pipe-cleaning machine operator - public works
<b>82010</b> setting foreman/woman logging	<b>43109</b> sewing instructor - non-vocational
<b>52119</b> settings shop foreman/woman	<b>94204</b> sewing machine assembler
<b>41403</b> settlement counsellor	<b>94204</b> sewing machine assembly tester
<b>41403</b> settlement liaison officer	<b>73209</b> sewing machine mechanic - domestic
<b>12201</b> settlement management associate	<b>75119</b> sewing machine mechanic helper
<b>41403</b> settlement practitioner	<b>92015</b> sewing machine operator supervisor - fabric, fur and leather products manufacturing
<b>40010</b> settlement programs director - government services	<b>94132</b> sewing machine operator
<b>12201</b> settlement specialist	<b>92015</b> sewing machine operators foreman/woman - fabric, fur and leather products manufacturing
<b>42201</b> settlement worker - community services	<b>92015</b> sewing machine operators supervisor
<b>94110</b> settler-filterer - chemical processing	<b>75119</b> sewing machine repairer helper
<b>72100</b> set-up machinist	<b>64100</b> sewing machine salesperson - retail
<b>94106</b> set-up operator - metal machining	<b>73209</b> sewing machine servicer - domestic
<b>21300</b> sewage control engineer	<b>41221</b> sewing teacher - elementary school
<b>92011</b> sewage disposal foreman/woman	<b>43109</b> sewing teacher - non-vocational

<b>41220</b> sewing teacher - secondary school	<b>83100</b> shearing machine operator - underground mining
<b>41301</b> sex therapist	<b>94130</b> shearing machine tender - textile manufacturing
<b>41301</b> sexologist	<b>75110</b> sheather helper
<b>94141</b> shackle hoist operator - meat packing plant	<b>72021</b> shed foreman/woman - construction
<b>94133</b> shade matcher - textiles	<b>80020</b> sheep farm operator
<b>94210</b> shader - furniture finishing and refinishing	<b>80020</b> sheep farmer
<b>84100</b> shaft conveyance operator	<b>85100</b> sheep feedlot worker
<b>83100</b> shaft driller	<b>84120</b> sheep handler
<b>83100</b> shaft inspector	<b>84120</b> sheep herds person
<b>83100</b> shaft miner	<b>85100</b> sheep shearer
<b>92014</b> shake and shingle machine foreman/woman - sawmill	<b>82030</b> sheep shearing contractor
<b>94123</b> shake inspector - wood processing	<b>94141</b> sheep sticker
<b>94120</b> shake maker	<b>94104</b> sheet and plate inspector - steel mill
<b>95103</b> shake packer	<b>93200</b> sheet metal assembler - aircraft assembly
<b>94120</b> shake sawyer - sawmill	<b>94105</b> sheet metal brake tender
<b>94120</b> shake sawyer	<b>72010</b> sheet metal contractor
<b>94120</b> shake splitter	<b>94105</b> sheet metal corrugation machine operator
<b>73209</b> shaker repairer	<b>94105</b> sheet metal corrugator
<b>85111</b> shakerhand - oil and gas drilling	<b>94105</b> sheet metal cutter - metal fabrication
<b>85111</b> shakerhand	<b>94105</b> sheet metal fabrication inspector
<b>94107</b> shaker-plate tender	<b>72102</b> sheet metal fabricator
<b>32209</b> shaman	<b>72102</b> sheet metal installer
<b>65329</b> shampooer	<b>41220</b> sheet metal instructor - secondary school
<b>95109</b> shank cementer - shoe manufacturing	<b>72102</b> sheet metal lay-out worker
<b>94124</b> shaper - wood products manufacturing	<b>95109</b> sheet metal lithographic press feeder
<b>94124</b> shaper - woodworking	<b>73401</b> sheet metal lithographic press operator
<b>94124</b> shaper operator - woodworking	<b>73401</b> sheet metal lithographic pressman/woman
<b>94106</b> shaper set-up operator	<b>72102</b> sheet metal mechanic apprentice
<b>72104</b> shaper, structural steel plates	<b>72102</b> sheet metal mechanic bench hand
<b>94124</b> shaver operator - woodworking	<b>72102</b> sheet metal mechanic
<b>94124</b> shaver tender - woodworking	<b>72102</b> sheet metal model maker
<b>94130</b> shaving machine tender - hide and pelt processing	<b>72102</b> sheet metal patternmaker
<b>95101</b> shear helper - metal fabrication	<b>95101</b> sheet metal polisher and buffer
<b>94105</b> shear operator - metal fabrication	<b>94105</b> sheet metal roll operator - metal fabrication
<b>94105</b> shear operator	<b>72010</b> sheet metal roofer supervisor
<b>94105</b> shear setter - metal fabrication	<b>72102</b> sheet metal roofer
<b>94105</b> shearer - metal working	<b>72010</b> sheet metal roofing contractor
<b>83100</b> shearer operator - underground mining	<b>94105</b> sheet metal spinner - metal fabrication
<b>72400</b> shearing machine fixer - textile manufacturing	<b>72102</b> sheet metal work erector
	<b>72102</b> sheet metal worker - manufacturing

<b>72102</b> sheet metal worker - specialty manufacturing	<b>85102</b> shellfish harvester
<b>75110</b> sheet metal worker helper - construction	<b>95107</b> shellfish labourer
<b>72102</b> sheet metal worker	<b>95107</b> shellfish packer - fish processing
<b>72010</b> sheet metal workers foreman/woman	<b>95107</b> shellfish processing labourer
<b>72010</b> sheet metal workers supervisor	<b>94142</b> shellfish processor
<b>94121</b> sheet paper inspector	<b>94142</b> shellfish separator tender - fish and seafood processing
<b>94121</b> sheet paper sampler	<b>94142</b> shellfish shucker - fish and seafood processing
<b>94100</b> sheet roller - primary metal processing	<b>94142</b> shellfish shucker
<b>95100</b> sheet roller helper - primary metal processing	<b>94142</b> shellfish-processing machine tender
<b>94100</b> sheet rolling mill operator - primary metal processing	<b>42201</b> shelter supervisor - social services
<b>94100</b> sheet rougher - primary metal processing	<b>42201</b> shelter workshop supervisor
<b>94112</b> sheet rubber inspector	<b>14300</b> shelving clerk - library
<b>94104</b> sheet steel inspector - primary metal processing	<b>84120</b> shepherd
<b>94112</b> sheeter - rubber products manufacturing	<b>95101</b> sherardizer helper
<b>95103</b> sheeter helper - pulp and paper	<b>94213</b> sherardizer
<b>94111</b> sheeter operator - plastic manufacturing	<b>43200</b> sheriff
<b>94121</b> sheeter operator - pulp and paper	<b>43200</b> sheriff's bailiff
<b>94105</b> sheet-metal-embossing machine operator	<b>43200</b> sheriff's officer
<b>94105</b> sheet-metal-working machine operator - metal products manufacturing	<b>32209</b> shiatsu therapist
<b>94105</b> sheet-metal-working machine set-up operator	<b>73400</b> shield operator
<b>94105</b> sheet-metal-working machine tender - metal fabrication	<b>72106</b> shielded-metal arc welder
<b>73102</b> sheetrock applicator	<b>82020</b> shift boss - mining and quarrying
<b>65102</b> shelf stocker - retail	<b>82020</b> shift foreman/woman - mining and quarrying
<b>65102</b> shelf stocker - supermarket	<b>82020</b> shift leader - mining and quarrying
<b>94219</b> shell assembler - explosives	<b>62020</b> shift manager - fast food restaurant
<b>94101</b> shell core maker - foundry	<b>92014</b> shift operating supervisor - pulp and paper
<b>94101</b> shell mould assembler - foundry	<b>94120</b> shingle cutter - sawmill
<b>95109</b> shell mould bonder	<b>94120</b> shingle cutter
<b>94101</b> shell moulder - foundry	<b>94123</b> shingle inspector - wood processing
<b>94210</b> shellac sprayers - furniture finishing and refinishing	<b>94120</b> shingle maker
<b>94213</b> shellacker	<b>92014</b> shingle mill foreman/woman - wood processing
<b>94107</b> shell-case chamfering machine tender	<b>92014</b> shingle mill foreman/woman
<b>85102</b> shellfish bed attendant	<b>92014</b> shingle mill supervisor - wood processing
<b>95107</b> shellfish checker - fish processing	<b>75101</b> shingle piler - material handling
<b>80022</b> shellfish farmer	<b>73110</b> shingle roofer
<b>83121</b> shellfish fisherman/woman	<b>72014</b> shingle roofing contractor
<b>84121</b> shellfish harvester deckhand	<b>94120</b> shingle sawyer
<b>83121</b> shellfish harvester operator	<b>95103</b> shingle trimmer
	<b>73110</b> shingler trainee
	<b>73110</b> shingler

<b>13200</b> ship agent	<b>64311</b> ship supply officer
<b>74201</b> ship boiler tender	<b>72602</b> ship third mate
<b>64313</b> ship cargo agent	<b>74201</b> ship tunnel operator
<b>60020</b> ship chandler	<b>74201</b> ship tunnelman/woman
<b>72602</b> ship chief officer	<b>72602</b> ship watchkeeping mate
<b>21399</b> ship construction engineer	<b>74201</b> ship watchman/woman
<b>72500</b> ship crane operator	<b>42101</b> shipboard firefighter
<b>22212</b> ship detail draftsman	<b>13200</b> shipbroker
<b>74201</b> ship engine and boiler room crew member	<b>72310</b> shipbuilding carpenter
<b>72405</b> ship engine fitter	<b>22212</b> shipbuilding draftsman
<b>74201</b> ship engine room greaser	<b>75119</b> shipbuilding electrician helper
<b>74201</b> ship engine room mechanical assistant	<b>21399</b> shipbuilding engineer
<b>72603</b> ship engineer officer	<b>95101</b> shipbuilding fitter helper
<b>72602</b> ship first mate	<b>72104</b> shipbuilding fitter
<b>22231</b> ship inspector	<b>72310</b> shipbuilding joiner
<b>72310</b> ship joiner	<b>92023</b> shipbuilding supervisor
<b>72013</b> ship joiners foreman/woman	<b>72104</b> shipfitter apprentice
<b>72602</b> ship junior mate	<b>95101</b> shipfitter helper
<b>14401</b> ship keeper	<b>72104</b> shipfitter
<b>13200</b> ship line agent	<b>72010</b> shipfitters foreman/woman
<b>70020</b> ship line manager	<b>75100</b> shiploader operator
<b>75100</b> ship loader operator	<b>75101</b> shipment assembler
<b>72405</b> ship machinery fitter	<b>14400</b> shipper
<b>75119</b> ship machinery installer helper	<b>14400</b> shipper-receiver
<b>70020</b> ship management operations manager	<b>14400</b> shipping agent
<b>72602</b> ship master	<b>14400</b> shipping and receiving clerk
<b>72999</b> ship model maker	<b>12013</b> shipping and receiving supervisor
<b>72602</b> ship operation chief officer	<b>70020</b> shipping and warehousing service manager
<b>65210</b> ship passenger attendant	<b>64401</b> shipping clerk - mail and postal services
<b>72602</b> ship pilot	<b>14400</b> shipping clerk
<b>72301</b> ship pipefitter	<b>12013</b> shipping clerks supervisor
<b>64311</b> ship purser	<b>14402</b> shipping control clerk
<b>22301</b> ship repair technician	<b>13201</b> shipping coordinator
<b>72400</b> ship rigger	<b>64101</b> shipping sales representative
<b>72010</b> ship riggers foreman/woman	<b>70020</b> shipping services manager
<b>72602</b> ship second mate	<b>12013</b> shipping supervisor
<b>72301</b> ship steamfitter	<b>72602</b> ship's captain
<b>74201</b> ship stoker	<b>74201</b> ship's carpenter
<b>14401</b> ship storekeeper	<b>63200</b> ship's cook
<b>14401</b> ship storeman/woman	<b>72201</b> ship's electrician - shipbuilding and repair
<b>14403</b> ship supply clerk	<b>72201</b> ship's electrician - water transport

<b>72201</b> ship's electrician	<b>65329</b> shoe shiner
<b>72602</b> ship's mate	<b>94132</b> shoe stitcher
<b>72104</b> ship's plater	<b>60020</b> shoe store manager
<b>95101</b> shipwright helper	<b>94219</b> shoelace-tipping machine tender
<b>75119</b> shipyard electrician helper	<b>53125</b> shoe-last patternmaker
<b>72201</b> shipyard electrician	<b>63220</b> shoemaker
<b>95109</b> shipyard labourer	<b>94219</b> shoe-trimming machine operator - footwear manufacturing
<b>72010</b> shipyard machine shop foreman/woman	<b>94141</b> shohet - meat packing plant
<b>92023</b> shipyard painter foreman/woman	<b>85111</b> shooter - seismograph
<b>95109</b> shipyard painter helper	<b>85111</b> shooter helper - seismic prospecting
<b>94213</b> shipyard painter	<b>65211</b> shooting gallery operator
<b>65320</b> shirt finisher - laundry and dry cleaning	<b>94211</b> shop assembler - wood products manufacturing
<b>65320</b> shirt folder - laundry and dry cleaning	<b>64100</b> shop clerk
<b>94133</b> shirt inspector	<b>22313</b> shop inspector - avionics
<b>65320</b> shirt presser - laundry and dry cleaning	<b>60020</b> shop manager
<b>65320</b> shirt-folding machine operator - laundry and dry cleaning	<b>72205</b> shop repairer - telecommunications
<b>74203</b> shock absorber installer	<b>64200</b> shop tailor
<b>95105</b> shoe cutter	<b>70012</b> shopping centre maintenance manager
<b>94219</b> shoe decoration assembler - footwear manufacturing	<b>70012</b> shopping centre manager
<b>94219</b> shoe decorator - footwear manufacturing	<b>64410</b> shopping investigator
<b>53123</b> shoe designer	<b>70012</b> shopping mall maintenance manager
<b>63220</b> shoe dyer	<b>70012</b> shopping mall manager
<b>94133</b> shoe inspector	<b>80010</b> shore captain - fishing
<b>95109</b> shoe manufacturing labourer	<b>70020</b> shore captain - water transport
<b>63220</b> shoe mender - retail	<b>75110</b> shore dredging labourer
<b>95109</b> shoe parts buffer	<b>83121</b> shore fisherman/woman
<b>95105</b> shoe parts cutter - footwear manufacturing	<b>73300</b> short haul truck driver
<b>95109</b> shoe parts dipper	<b>63200</b> short order cook
<b>94219</b> shoe parts fastener	<b>51111</b> short story writer
<b>95109</b> shoe parts former	<b>53200</b> short-distance runner
<b>95109</b> shoe parts marker	<b>52112</b> short-wave receiving station technician
<b>94132</b> shoe parts sewer	<b>83110</b> shortwood harvester operator
<b>95109</b> shoe parts stock sorter	<b>95100</b> shot bagger - explosives manufacturing
<b>53125</b> shoe patternmaker	<b>83100</b> shot firer - underground mining
<b>60040</b> shoe repair service manager	<b>83100</b> shot firer
<b>63220</b> shoe repairer - retail	<b>82020</b> shot foreman/woman - mining and quarrying
<b>63220</b> shoe repairer	<b>95101</b> shot grinder - metal products manufacturing
<b>64100</b> shoe salesperson - retail	<b>94101</b> shot maker - foundry
<b>94132</b> shoe sewer	<b>53200</b> shot put
	<b>95101</b> shotblaster - metal fabrication

<b>95101</b> shotblaster	<b>72400</b> shuttle fixer - textile manufacturing
<b>95101</b> shotblasting machine operator - metal products manufacturing	<b>94124</b> shuttle maker - woodworking
<b>95101</b> shotblasting machine tender - metal products manufacturing	<b>73301</b> shuttle operator
<b>94219</b> shotgun proof tester	<b>94124</b> shuttle planer - woodworking
<b>94150</b> shotgun-shell-printing machine tender	<b>72400</b> shuttle setter - textile manufacturing
<b>83100</b> shotman/woman - underground mining	<b>94124</b> shuttle shaper and tip inserter - woodworking
<b>94219</b> shovel handle assembler	<b>64321</b> sic bo croupier
<b>74203</b> shovel oiler	<b>73400</b> side boom operator - pipeline construction
<b>73400</b> shovel operator - heavy equipment	<b>73400</b> side boom tractor operator
<b>85110</b> shoveller - underground mining	<b>72106</b> side seaming tender
<b>53123</b> show and demonstration designer	<b>94152</b> side stitching machine operator - printing
<b>53121</b> show horse rider	<b>72401</b> sideboom mechanic
<b>65210</b> showcase installer	<b>75110</b> sider helper
<b>94219</b> shower door and panel assembler	<b>94151</b> siderographer - printing
<b>94111</b> shredder operator - plastic recycling	<b>75212</b> sidewalk cleaner
<b>94140</b> shredder operator - tobacco processing	<b>73100</b> sidewalk concrete finisher
<b>94124</b> shredder operator - woodworking	<b>75212</b> sidewalk snowplow operator
<b>94140</b> shredding machine operator - food processing	<b>75212</b> sidewalk-cleaning equipment operator
<b>94111</b> shredding machine operator - plastic recycling	<b>83101</b> sidewall core sampler - oil field services
<b>94110</b> shredding machine tender - chemical processing	<b>73200</b> siding applicator
<b>94142</b> shrimp peeler - fish and seafood processing	<b>75211</b> siding checker-messenger - railway transport
<b>94142</b> shrimp peeler tender - fish and seafood processing	<b>72014</b> siding contractor
<b>94142</b> shrimp processor - fish and seafood processing	<b>73200</b> siding installer
<b>94130</b> shrinking machine operator - textile manufacturing	<b>73209</b> sieve repairer
<b>95106</b> shrouder - food and beverage processing	<b>95104</b> sifting machine feeder - rubber products manufacturing
<b>80021</b> shrub grower	<b>75210</b> sightseeing boat captain
<b>94142</b> shucker - fish and seafood processing	<b>75210</b> sightseeing boat master
<b>73300</b> shunt truck driver	<b>75210</b> sightseeing boat operator
<b>73300</b> shunter - trucking	<b>73301</b> sightseeing bus driver
<b>73300</b> shunter truck driver	<b>64320</b> sightseeing guide
<b>95102</b> shutdown labourer - chemical processing	<b>73301</b> sightseeing tour driver
<b>73301</b> shuttle bus driver	<b>64101</b> sign and display leasing agent
<b>84100</b> shuttle car operator	<b>64101</b> sign and display sales representative
<b>73301</b> shuttle driver - auto dealership	<b>72310</b> sign carpenter
<b>73301</b> shuttle driver - car rental company	<b>52120</b> sign designer
<b>95105</b> shuttle filler - textile processing	<b>73200</b> sign erector
<b>94124</b> shuttle finisher - woodworking	<b>43202</b> sign inspector
	<b>73200</b> sign installer
	<b>42203</b> sign language instructor
	<b>51114</b> sign language interpreter

<b>51114</b> sign language platform interpreter	<b>22112</b> silviculture technologist
<b>42203</b> sign language teacher	<b>84111</b> silviculture worker
<b>52111</b> sign layout detailer	<b>22112</b> silviculturist
<b>94213</b> sign letterer	<b>72320</b> simulated stone mason
<b>94219</b> sign maker	<b>72320</b> simulated stone setter
<b>52111</b> sign painter	<b>21231</b> simulation software design engineer
<b>94213</b> sign panel primer	<b>21222</b> simulations analyst - computer systems
<b>94213</b> sign spray painter	<b>51114</b> simultaneous interpreter
<b>52111</b> sign writer	<b>94130</b> singeing and boiling machine tender - textile manufacturing
<b>21310</b> signal engineer	<b>95106</b> singeing machine tender
<b>75211</b> signal gang helper	<b>51122</b> singer
<b>74200</b> signal tower operator - railway	<b>11202</b> singers agent
<b>72204</b> signal tracer - telecommunications	<b>51121</b> singer-songwriter-composer
<b>72011</b> signaling system installation foreman/woman	<b>94132</b> single-needle sewing machine operator
<b>74200</b> signalman/woman - railway transport	<b>73110</b> single-ply roofer
<b>53122</b> silhouette artist	<b>94106</b> single-spindle drill press set-up operator - metal machining
<b>94201</b> silicon wafer fabricator	<b>94100</b> sink-float equipment operator - metal processing
<b>94201</b> silicon wafer grower	<b>95100</b> sintering machine loader - primary metal processing
<b>65320</b> silk finisher - laundry and dry cleaning	<b>94100</b> sintering machine operator
<b>53122</b> silkscreen artist	<b>92010</b> sintering plant foreman/woman - mineral and metal processing
<b>94151</b> silkscreen assembler - printing	<b>92010</b> sintering plant foreman/woman - primary metal and mineral products processing
<b>94130</b> silk-screen printing machine operator - textile manufacturing	<b>94101</b> sintering press tender - foundry
<b>94150</b> silk-screen printing machine operator	<b>42204</b> sister/brother - religion
<b>52111</b> silkscreen stencil cutter	<b>21202</b> site planner
<b>52111</b> silkscreen technician	<b>21231</b> site reliability engineer
<b>94150</b> silk-screen tender - printing	<b>95103</b> sixth hand - pulp and paper
<b>94150</b> silk-screening machine operator	<b>94130</b> size maker - textile manufacturing
<b>62202</b> silver chaser	<b>94107</b> sizing and trimming machine adjuster - explosives manufacturing
<b>94213</b> silver plater	<b>94219</b> sizing machine operator - fabric
<b>94213</b> silver spray operator	<b>94130</b> sizing machine tender - textile manufacturing
<b>95109</b> silvering machine feeder	<b>95109</b> skate lining inserter
<b>53124</b> silversmith	<b>94219</b> skate maker
<b>94219</b> silverware buffer	<b>94219</b> skate press operator
<b>65201</b> silverware cleaner	<b>65211</b> skate sharpener
<b>53124</b> silverware engraver	<b>64100</b> skate shop attendant
<b>92024</b> silverware manufacturing supervisor	<b>54100</b> skateboarding instructor
<b>64100</b> silverware salesperson - retail	
<b>82010</b> silviculture contractor	
<b>82010</b> silviculture supervisor	
<b>22112</b> silviculture technician	



<b>53200</b> skater	<b>94142</b> skinning machine setter - fish processing
<b>94130</b> skein spooler - textile manufacturing	<b>84100</b> skip loader - underground mining
<b>94130</b> skein winder - textile manufacturing	<b>72500</b> skip operator
<b>94133</b> skein yarn examiner - textiles	<b>84100</b> skip tender - underground mining
<b>94130</b> skeiner - textile manufacturing	<b>84100</b> skip tender
<b>62029</b> ski area supervisor	<b>14202</b> skip tracer - collection
<b>53201</b> ski coach	<b>94112</b> skiver - rubber products manufacturing
<b>73209</b> ski equipment repairer	<b>54100</b> skydiving instructor
<b>54100</b> ski instructor - sports and recreation	<b>94212</b> skylight assembler - plastic products manufacturing
<b>54100</b> ski instructor	<b>65210</b> skytrain attendant
<b>65211</b> ski lift attendant	<b>94100</b> slab caster - steel rolling mill
<b>62029</b> ski lift attendants supervisor	<b>94112</b> slab machine operator - rubber products manufacturing
<b>72400</b> ski lift mechanic	<b>94120</b> slab saw operator
<b>65211</b> ski lift operator	<b>94110</b> slabbing machine operator - chemical processing
<b>72400</b> ski lift repair technician	<b>93100</b> slabbing mill roller - primary metal processing
<b>94219</b> ski maker	<b>95104</b> slab-off machine tender - rubber products manufacturing
<b>54100</b> ski patrol	<b>95104</b> slab-off man/woman - rubber products manufacturing
<b>54100</b> ski patroller	<b>53121</b> slack-rope performer - entertainment
<b>64320</b> ski resort host/hostess	<b>94100</b> slag pelletizer - primary metal processing
<b>60031</b> ski resort manager	<b>85111</b> slasher - oil and gas
<b>64100</b> ski shop retail clerk	<b>85111</b> slasher - oil field services
<b>65211</b> ski tow attendant	<b>94130</b> slasher - textile manufacturing
<b>65211</b> ski tow operator	<b>83110</b> slasher loader operator
<b>75110</b> skid setter - pipeline construction	<b>83110</b> slasher operator - logging
<b>75101</b> skidder - fruit packing	<b>94120</b> slasher operator - sawmill
<b>84110</b> skidder operator - logging	<b>94130</b> slasher operator - textile manufacturing
<b>84110</b> skidder operator	<b>95105</b> slasher operator helper - textile processing
<b>82010</b> skidders foreman/woman - logging	<b>83110</b> slasher saw operator - logging
<b>53200</b> skier	<b>94120</b> slasher saw operator - sawmill
<b>95100</b> skimmer - primary metal and mineral products processing	<b>83110</b> slasher sawyer operator - logging
<b>63211</b> skin care consultant	<b>94120</b> slasher trim operator - sawmill
<b>63211</b> skin care specialist	<b>83110</b> slasher-brusher
<b>63211</b> skin care technician	<b>94124</b> slat picker - woodworking
<b>31100</b> skin disease specialist	<b>94124</b> slat slicer - wood products
<b>93200</b> skin fitter - aircraft assembly	<b>94103</b> slate bed maker - clay products
<b>31100</b> skin specialist	<b>94103</b> slate cutter
<b>94111</b> skin-former machine tender - plastic manufacturing	<b>94103</b> slate mixer
<b>94142</b> skinner operator - fish processing	
<b>95106</b> skinning machine feeder - food and beverage processing	

<b>85110</b> slate picker	<b>95100</b> slime recovery plant helper - primary metal processing
<b>94103</b> slate-cutting and slate-grinding machine tender	<b>94100</b> slime treater - primary metal processing
<b>94141</b> slaughterer - meat packing plant	<b>75110</b> slinger - construction
<b>94141</b> slaughterer	<b>75110</b> slip form curb machine tender
<b>94141</b> slaughterhouse butcher	<b>94103</b> slip mixer tender
<b>92012</b> slaughterhouse foreman/woman	<b>95100</b> slip sealer - mineral products processing
<b>92012</b> slaughterhouse supervisor	<b>95109</b> slip seat coverer - furniture assembly
<b>92012</b> slaughtering and meat packing workers foreman/woman	<b>95105</b> slipcover cutter - fabric products manufacturing
<b>22111</b> slaughtering and meat processing plant inspector	<b>94132</b> slipper maker
<b>94219</b> sleeping bag finisher	<b>94111</b> slitter operator - plastic manufacturing
<b>65210</b> sleeping car attendant	<b>94112</b> slitter operator - rubber products manufacturing
<b>73311</b> sleeping car conductor	<b>94122</b> slitter-creaser - paper converting
<b>65210</b> sleeping car porter	<b>94122</b> slitter-creaser feeder - paper converting
<b>94205</b> sleeve-making machine tender - electrical equipment manufacturing	<b>94122</b> slitter-creaser operator - paper converting
<b>94122</b> sleever - paper converting	<b>95105</b> slitter-rewinder
<b>55109</b> sleight-of-hand artist	<b>94122</b> slitter-scorer - paper converting
<b>94140</b> sliced cheese maker	<b>94130</b> sliver lapper - textile manufacturing
<b>94140</b> slicing machine operator - food and beverage processing	<b>22311</b> slot machine technician - casino
<b>94140</b> slicing machine tender - food and beverage processing	<b>62022</b> slot machines section head
<b>83101</b> slickline operator - oil field services	<b>62022</b> slot supervisor
<b>83101</b> slickline operator	<b>94130</b> slubber tender - textile manufacturing
<b>94219</b> slide fastener chain machine tender	<b>84100</b> sludge pump operator - underground mining
<b>94107</b> slide fastener links machine tender	<b>95100</b> sludge worker - primary metal processing
<b>94107</b> slide fastener links maker	<b>95102</b> slug-press feeder
<b>94219</b> slide fastener machine operator	<b>93100</b> slurry controller - primary metal processing
<b>94219</b> slide fastener machine tender (except plastic products)	<b>94100</b> slurry equipment operator - primary metal and mineral products processing
<b>95101</b> slide fastener polisher - metal products manufacturing	<b>94100</b> slurry equipment operator
<b>94105</b> slide forming machine setter - metal fabrication	<b>94122</b> slurry mixer
<b>94105</b> slide forming machine set-up operator	<b>83100</b> slusher operator - underground mining
<b>94105</b> slide forming machine tender - metal fabrication	<b>31103</b> small animal veterinarian
<b>94153</b> slide maker - photographic processing	<b>31103</b> small animal veterinary internist
<b>94219</b> slide-fastener-cutting machine operator	<b>31103</b> small animal veterinary specialist
<b>94132</b> slide-fastener-sewing machine operator	<b>94106</b> small arms barrel threader
<b>94100</b> slime recoverer - primary metal processing	<b>94124</b> small arms checkerer
<b>94100</b> slime recovery operator - primary metal processing	<b>72999</b> small arms repairer
	<b>94219</b> small arms tester
	<b>41402</b> small business counsellor
	<b>41100</b> small claims court judge
	<b>10019</b> small claims court registrar

<b>14103</b> small claims court supervisor	<b>75110</b> smelter liner
<b>75210</b> small craft operator	<b>93100</b> smelting furnace operator - primary metal processing
<b>94202</b> small electric motor armature winder	<b>21322</b> smelting plant engineer
<b>94202</b> small electric motor assembler	<b>64100</b> smoke shop clerk
<b>94202</b> small electric motor core and shaft assembler	<b>95106</b> smoked meat preparer - food and beverage processing
<b>94202</b> small electric motor tester	<b>94140</b> smokehouse operator - food and beverage processing
<b>94202</b> small electrical appliance assembler	<b>72320</b> smokestack bricklayer
<b>94202</b> small electrical appliance assembly group leader	<b>72999</b> smokestack repairer
<b>94202</b> small electrical appliance assembly lead hand	<b>94124</b> smoking pipe air hole driller
<b>94202</b> small electrical appliances inspector	<b>94124</b> smoking pipe burler - woodworking
<b>94202</b> small electrical products assembler	<b>94124</b> smoking pipe maker - woodworking
<b>72429</b> small engine and equipment mechanic	<b>94124</b> smoking pipe sander - woodworking
<b>92023</b> small engine assembly foreman/woman	<b>94124</b> smoking pipe sander
<b>92023</b> small engine assembly supervisor	<b>94213</b> smoking-pipe stainer
<b>72429</b> small engine mechanic	<b>95109</b> smoothing machine tender - shoe manufacturing
<b>72020</b> small engine repair foreman/woman	<b>65201</b> snack bar attendant
<b>72429</b> small engine repairer	<b>22214</b> snow controller
<b>72429</b> small engine technician	<b>73200</b> snow fence erector
<b>72429</b> small equipment mechanic apprentice	<b>73400</b> snow removal equipment operator - private home
<b>72429</b> small equipment repairer	<b>74205</b> snow removal equipment operator - public works
<b>63200</b> small establishment cook	<b>85121</b> snow shoveller - grounds maintenance
<b>85101</b> small fruit picker	<b>74200</b> snowblower operator - railway
<b>94204</b> small marine engine assembler	<b>92023</b> snowblower tractor assembly foreman/woman
<b>94200</b> small parts assembler - motor vehicle manufacturing	<b>53200</b> snowboarder
<b>94202</b> small transformer assembler - electrical equipment manufacturing	<b>54100</b> snowboarding instructor
<b>94202</b> small transformer core builder	<b>73400</b> snow-grooming machine operator
<b>94202</b> small transformer inspector	<b>65211</b> snowmaker
<b>94202</b> small transformer tester	<b>65211</b> snowmaking equipment operator
<b>72999</b> small-aircraft model maker	<b>65211</b> snowmaking facility attendant
<b>43109</b> small-boat navigation instructor	<b>65211</b> snowmaking machine operator
<b>75119</b> small-engine mechanic helper	<b>94204</b> snowmobile assembler
<b>72020</b> small-engine repair shop foreman/woman	<b>92023</b> snowmobile assembly foreman/woman
<b>72020</b> small-engine repair shop supervisor	<b>92023</b> snowmobile assembly supervisor
<b>72020</b> small-equipment repair shop supervisor	<b>94204</b> snowmobile final inspector
<b>72020</b> small-machines repair shop supervisor	<b>94204</b> snowmobile inspector
<b>92010</b> smelter foreman/woman - primary metal and mineral products processing	<b>64322</b> snowmobile operations guide
<b>95100</b> smelter helper	<b>72423</b> snowmobile repairer
<b>95100</b> smelter labourer	

<b>72423</b> snowmobile repairman/woman	<b>10022</b> social media manager
<b>94204</b> snowmobile test rider	<b>11202</b> social media specialist
<b>94219</b> snowshoe weaver	<b>40010</b> social planning director - government services
<b>92013</b> snowtrack foreman/woman - rubber manufacturing	<b>41403</b> social policy advisor
<b>84101</b> snubbing-unit operator	<b>41403</b> social policy analyst
<b>94140</b> snuff can inspector	<b>41403</b> social policy consultant
<b>94140</b> snuff dryer - tobacco processing	<b>41403</b> social policy planning consultant
<b>94140</b> snuff grinder - tobacco processing	<b>41403</b> social policy researcher
<b>94140</b> snuff-blending machine operator - tobacco processing	<b>41403</b> social program officer
<b>95106</b> snuff-packing machine tender	<b>40010</b> social programs administrator - government services
<b>95100</b> soaking pit bottom cleaner - primary metal processing	<b>40010</b> social programs assistant director - government services
<b>94219</b> soap and toilet goods preparations inspector	<b>40010</b> social programs development chief - government services
<b>94110</b> soap boiler	<b>42201</b> social rehabilitation officer
<b>94110</b> soap chipper	<b>42201</b> social rehabilitation technician
<b>94110</b> soap cutter and stamper	<b>42201</b> social rehabilitation worker
<b>94110</b> soap flake dryer operator	<b>12113</b> social research assistant (except university)
<b>94110</b> soap maker	<b>41403</b> social researcher
<b>53201</b> soccer coach	<b>12113</b> social science research assistant (except university)
<b>53200</b> soccer player	<b>41403</b> social science researcher
<b>42201</b> social aid officer	<b>21210</b> social science statistician
<b>41403</b> social and community care licensing officer	<b>41200</b> social sciences professor - university
<b>41409</b> social and cultural anthropologist	<b>41220</b> social sciences teacher - secondary school
<b>42201</b> social animator	<b>41409</b> social scientist
<b>41409</b> social anthropologist	<b>40030</b> social service general manager
<b>41403</b> social assistance advisor	<b>41403</b> social service program officer
<b>40030</b> social assistance director	<b>40030</b> social services area director
<b>42201</b> social assistance officer	<b>42201</b> social services assistant
<b>41403</b> social assistance policy analyst	<b>40030</b> social services centre administrator
<b>41300</b> social casework consultant	<b>40030</b> social services centre director
<b>64201</b> social consultant	<b>40030</b> social services centre manager
<b>41403</b> social development officer	<b>41403</b> social services consultant
<b>40010</b> social development programs chief - government services	<b>40030</b> social services department chief
<b>41409</b> social ecologist	<b>40030</b> social services department head
<b>41401</b> social economist	<b>40010</b> social services director - government services
<b>12103</b> social events coordinator	<b>40030</b> social services director
<b>41409</b> social historian	<b>40030</b> social services district director
<b>41403</b> social issues researcher	<b>00013</b> social services institution corporate controller
<b>11202</b> social media coordinator	<b>40030</b> social services local manager

<b>40030</b> social services manager	<b>94131</b> sock looper
<b>41403</b> social services planner	<b>80020</b> sod farmer
<b>41403</b> social services planning consultant	<b>85121</b> sod layer
<b>40010</b> social services planning manager - government services	<b>85121</b> sod laying labourer
<b>40010</b> social services policy, planning and research director - government services	<b>94110</b> soda dialyzer
<b>41403</b> social services program officers supervisor	<b>94110</b> soda solution maker
<b>41403</b> social services program planner	<b>94110</b> soda solution mixer
<b>40030</b> social services provincial coordinator	<b>94210</b> sofa inspector - furniture manufacturing
<b>40030</b> social services regional administrator	<b>75201</b> soft drink driver-salesman/woman
<b>40010</b> social services regional director - government services	<b>95106</b> soft drink mixer
<b>41210</b> social services teacher - college level	<b>94140</b> soft drink powder mixer
<b>42201</b> social services volunteer coordinator	<b>75201</b> soft drinks driver
<b>42201</b> social services worker	<b>83100</b> soft rock miner
<b>41403</b> social survey researcher (except statistician)	<b>94200</b> soft top trimmer - motor vehicle manufacturing
<b>41403</b> social survey researchers supervisor	<b>94112</b> softball centre moulder
<b>40010</b> social surveys director - government services	<b>22214</b> softcopy photogrammetrist
<b>41403</b> social welfare advisor	<b>21231</b> software and information technology project manager
<b>42201</b> social welfare officer	<b>21231</b> software architect
<b>41403</b> social welfare research officer	<b>21231</b> software design engineer
<b>41300</b> social work coordinator	<b>21231</b> software design project manager
<b>40010</b> social work director - government services	<b>21231</b> software design supervisor
<b>40030</b> social work director	<b>21231</b> software design verification engineer
<b>41300</b> social work officer - Canadian Armed Forces	<b>21231</b> software designer
<b>41300</b> social work officer	<b>21232</b> software developer
<b>41200</b> social work professor - university	<b>21231</b> software development engineer
<b>41300</b> social work supervisor	<b>20012</b> software development manager
<b>41300</b> social worker	<b>21232</b> software development programmer
<b>41300</b> social workers supervisor	<b>21232</b> software development project manager
<b>51113</b> society columnist	<b>21231</b> software engineer
<b>51110</b> society editor	<b>21231</b> software engineering lead
<b>51113</b> society journalist	<b>20012</b> software engineering manager
<b>51113</b> society reporter	<b>22221</b> software installation technician
<b>41403</b> socio-economic research and planning officer	<b>21232</b> software programmer
<b>41409</b> sociolinguist	<b>21231</b> software project manager
<b>41409</b> sociologist	<b>21222</b> software quality assurance (QA) analyst
<b>41200</b> sociology professor - university	<b>21222</b> software quality assurance (QA) auditor
<b>95109</b> sock boarder	<b>21231</b> software quality assurance (QA) engineer
<b>94131</b> sock foot knitter	<b>20012</b> software quality assurance director
<b>94131</b> sock knitter - textiles	<b>62100</b> software sales representative
	<b>21231</b> software systems designer

<b>21231</b> software systems integration engineer	<b>72420</b> solid fuel heater installer
<b>21231</b> software technical architect	<b>72420</b> solid fuel heating installer
<b>22221</b> software technical support analyst	<b>62100</b> solid fuel heating sales consultant
<b>22222</b> software test coordinator	<b>95109</b> solid tire moulder - toy manufacturing
<b>22222</b> software tester	<b>22300</b> solid waste disposal technician
<b>21231</b> software testing engineer	<b>21300</b> solid waste management engineer
<b>22222</b> software testing technician	<b>90011</b> solid waste processing district manager
<b>22110</b> soil bacteriological technician	<b>90011</b> solid waste processing manager
<b>22110</b> soil bacteriological technologist	<b>90011</b> solid waste processing operations planning manager
<b>21110</b> soil bacteriologist	<b>41400</b> solid waste program coordinator
<b>21101</b> soil chemist	<b>41400</b> solid waste program manager
<b>21112</b> soil conservationist	<b>21100</b> solid-state physicist
<b>21300</b> soil engineer	<b>51122</b> soloist
<b>21112</b> soil fertility expert	<b>94110</b> solution mixer - chemical processing
<b>22233</b> soil inspector - construction	<b>94111</b> solution mixer operator - plastic manufacturing
<b>82030</b> soil preparation contractor	<b>94100</b> solution operator - primary metal and mineral processing
<b>22101</b> soil science technician - mining	<b>21222</b> solutions architect - cloud management and monitoring
<b>21109</b> soil scientist	<b>21222</b> solutions architect - information technology (IT)
<b>22300</b> soil technologist - civil engineering	<b>94111</b> solvent mixer operator - plastic manufacturing
<b>22300</b> soil testing technologist - civil engineering	<b>94140</b> solvent process vegetable oil extractor
<b>22300</b> soil testing technologist	<b>94110</b> solvent recovery tender - chemical processing
<b>82030</b> soil-testing service contractor	<b>65200</b> sommelier
<b>73200</b> solar heating equipment installer	<b>43204</b> sonar operator
<b>73200</b> solar heating technician	<b>22310</b> sonar technician
<b>73200</b> solar hot water system installer	<b>51121</b> songwriter
<b>73200</b> solar panel installer	<b>32122</b> sonographer - medical
<b>72106</b> solderer	<b>32122</b> sonography technologist
<b>72106</b> solderer-dipper	<b>51122</b> soprano
<b>95101</b> soldering machine feeder	<b>95109</b> sorter - recyclable materials
<b>72106</b> soldering machine operator	<b>95104</b> sorter - rubber products manufacturing
<b>44200</b> soldier - Canadian Army	<b>74100</b> sorting and routing clerk
<b>95109</b> sole edge stainer-finisher - shoe manufacturing	<b>95106</b> sorting machine feeder - food and beverage processing
<b>95109</b> sole-flexing machine tender	<b>52113</b> sound cutter
<b>94219</b> sole-moulding machine operator - footwear manufacturing	<b>53123</b> sound designer
<b>94219</b> sole-moulding machine tender - footwear manufacturing	<b>52113</b> sound editor
<b>94219</b> solenoid valve assembler	<b>52113</b> sound effects editor
<b>94112</b> sole-treading machine tender - rubber footwear manufacturing	<b>52113</b> sound effects specialist
<b>00010</b> solicitor general	<b>52113</b> sound engineer (except professional engineers)
<b>41101</b> solicitor	

<b>52113</b> sound engineer assistant	<b>21300</b> spatial information systems engineer
<b>52113</b> sound engineer	<b>94201</b> speaker assembler
<b>72321</b> sound insulator	<b>12100</b> special assistant
<b>52113</b> sound keyer	<b>33102</b> special care aide - nursing
<b>52113</b> sound librarian - audio-recording	<b>33102</b> special care facility attendant
<b>52113</b> sound mix engineer	<b>33102</b> special care worker - medical
<b>52113</b> sound mixer	<b>43200</b> special constable
<b>52113</b> sound operator	<b>74101</b> special delivery mail carrier
<b>52113</b> sound recorder	<b>63200</b> special diet cook
<b>52113</b> sound recording engineer	<b>43100</b> special education assistant
<b>52113</b> sound recording supervisor	<b>41405</b> special education consultant
<b>52113</b> sound recordist	<b>41405</b> special education coordinator - education
<b>52113</b> sound technician	<b>41405</b> special education coordinator
<b>72321</b> soundproof material installer	<b>40012</b> special education programs director
<b>52113</b> sound-recording and video-recording reproduction equipment operator	<b>40012</b> special education services assistant director
<b>52113</b> sound-recording equipment operator	<b>41221</b> special education teacher - elementary school
<b>12102</b> sourcing specialist	<b>41221</b> special education teacher - primary school
<b>62200</b> sous-chef	<b>41220</b> special education teacher - secondary school
<b>80020</b> sow farm manager	<b>42203</b> special education technician - persons with disabilities
<b>85101</b> soya bean crop worker	<b>42201</b> special education technician - social and community services
<b>94140</b> soya mill operator	<b>53111</b> special effects assistant
<b>94143</b> soybean tester	<b>21232</b> special effects programmer
<b>60040</b> spa director	<b>52119</b> special effects technician
<b>60040</b> spa manager	<b>14201</b> special endorsement clerk - insurance
<b>14101</b> spa receptionist	<b>12103</b> special events coordinator
<b>62029</b> spa supervisor	<b>12103</b> special events organizer
<b>52121</b> space management consultant	<b>12103</b> special events planner
<b>21100</b> space physicist	<b>12103</b> special events program planner
<b>10030</b> space programs manager - telecommunications	<b>51110</b> special features editor
<b>21390</b> space reliability specialist	<b>94102</b> special glass cutter
<b>22310</b> space vision technologist	<b>41301</b> special needs counsellor
<b>21311</b> spacecraft electronics engineer - hardware	<b>43100</b> special needs educational assistant
<b>21310</b> spacecraft electronics engineer	<b>41221</b> special needs teacher - elementary school
<b>92023</b> spacecraft subassembly foreman/woman	<b>41220</b> special needs teacher - secondary school
<b>75110</b> spacer - pipeline construction	<b>63200</b> special order cook - hospital
<b>84111</b> spacing saw operator - forestry	<b>43100</b> special programs aide - education
<b>84111</b> spacing saw operator	<b>42203</b> special programs instructor for persons with disabilities
<b>41220</b> Spanish teacher - secondary school	<b>41220</b> special programs teacher - secondary school
<b>93200</b> spar assembler - aircraft assembly	<b>41101</b> special prosecutor
<b>94202</b> spark plug assembler	

<b>72205</b> special services technician - telecommunications	<b>32109</b> speech aide
<b>11202</b> specialist - e-media advertising	<b>31112</b> speech and hearing therapist
<b>62200</b> specialist chef	<b>32109</b> speech correctionist - medical
<b>31100</b> specialist doctor	<b>32109</b> speech language assistant
<b>31100</b> specialist in cardiology	<b>31112</b> speech pathologist
<b>31100</b> specialist in community medicine	<b>32109</b> speech technician
<b>31100</b> specialist in critical care medicine	<b>32109</b> speech therapist aide
<b>31100</b> specialist in emergency medicine	<b>32109</b> speech therapist assistant
<b>31100</b> specialist in environmental medicine	<b>31112</b> speech therapist
<b>31100</b> specialist in epidemiology and community medicine	<b>32109</b> speech therapy aide
<b>31100</b> specialist in geriatric medicine	<b>32109</b> speech therapy assistant
<b>31100</b> specialist in hematopathology	<b>51111</b> speech writer
<b>31100</b> specialist in infectious diseases	<b>31112</b> speech-language clinician
<b>31100</b> specialist in infertility	<b>31112</b> speech-language pathologist clinician
<b>31100</b> specialist in internal medicine	<b>31112</b> speech-language pathologist researcher
<b>31100</b> specialist in medical oncology	<b>31112</b> speech-language pathologist
<b>31100</b> specialist in nuclear medicine	<b>32109</b> speech-language pathology assistant
<b>31100</b> specialist in physical medicine and rehabilitation	<b>73209</b> speedometer repairer
<b>31101</b> specialist in plastic surgery	<b>94140</b> spice fumigator - food and beverage processing
<b>31100</b> specialist in preventive medicine	<b>94140</b> spice miller
<b>31100</b> specialist in pulmonary disease	<b>94140</b> spice mixer
<b>31100</b> specialist in spinal injuries	<b>74200</b> spike machine operator - railway
<b>31100</b> specialist in sports medicine	<b>74200</b> spike puller machine operator - railway
<b>31101</b> specialist in vascular surgery	<b>74200</b> spike-driver operator - railway
<b>31100</b> specialist physician	<b>92024</b> spikemaking foreman/woman
<b>65311</b> specialized cleaner - automobile aesthetics	<b>74200</b> spiker operator - railway
<b>65311</b> specialized cleaner	<b>74200</b> spiking machine operator - railway
<b>73112</b> specialized painter and decorator	<b>31100</b> spinal injury specialist
<b>92011</b> specialty chemicals production supervisor	<b>94124</b> spindle carver operator - woodworking
<b>62101</b> specialty food buyer	<b>94140</b> spinner - food and beverage processing
<b>63202</b> specialty foods baker - retail	<b>94130</b> spinner - textile manufacturing
<b>63202</b> specialty foods baker	<b>94110</b> spinneret pack preparer - chemical processing
<b>62200</b> specialty foods chef	<b>72400</b> spinning fixer
<b>94121</b> specialty rewinder operator - papermaking	<b>72400</b> spinning frame fixer - textile manufacturing
<b>51112</b> specifications writer (except construction)	<b>94130</b> spinning frame tender - textile manufacturing
<b>32100</b> spectacle frame fitter	<b>72400</b> spinning machine fixer - textile manufacturing
<b>94219</b> spectacle frame polisher	<b>94130</b> spinning machine operator - textile manufacturing
<b>22100</b> spectroscopic technologist	<b>94130</b> spinning machine tender - textile manufacturing
<b>22100</b> spectroscopist	<b>92015</b> spinning room foreman/woman - textiles
	<b>92015</b> spinning supervisor - textiles



<b>72400</b> spinning technician - textile manufacturing	<b>94130</b> spooler - textile manufacturing
<b>94106</b> spiral bevel-gear cutting machine set-up operator	<b>94112</b> spooler-twister operator - rubber products manufacturing
<b>94106</b> spiral bevel-gear generator set-up operator	<b>94130</b> spooling machine tender - textile manufacturing
<b>94152</b> spiral binding machine operator - printing	<b>51110</b> sport desk editor
<b>94152</b> spiral binding worker - printing	<b>50012</b> sport federation director general
<b>94100</b> spiral conveyor attendant	<b>50012</b> sport federation general director
<b>94106</b> spiral gear-generator operator	<b>50012</b> sport governing agency executive director
<b>94107</b> spiral weaving machine operator - metal products manufacturing	<b>50012</b> sport governing body executive director
<b>94107</b> spiral weaving machine operator	<b>50012</b> sport program administrative coordinator
<b>94112</b> spiral wound gasket maker - rubber products manufacturing	<b>94200</b> sport utility vehicle (SUV) assembler
<b>94110</b> splash line tender	<b>92024</b> sporting equipment manufacturing foreman/woman
<b>94112</b> splicer - rubber products manufacturing	<b>95109</b> sporting goods filler
<b>72204</b> splicer - telecommunications	<b>94219</b> sporting goods grip-wrapping machine tender
<b>75119</b> splicer helper - telecommunications	<b>92024</b> sporting goods manufacturing supervisor
<b>72204</b> splicer technician - telecommunications	<b>64100</b> sporting goods rental-shop attendant
<b>72204</b> splicer technician - telephone	<b>73209</b> sporting goods repairer
<b>94112</b> splicing machine tender - rubber products manufacturing	<b>64100</b> sporting goods salesperson - retail
<b>94130</b> splicing machine tender - textile manufacturing	<b>60020</b> sporting goods store manager
<b>94130</b> splitter - hide and pelt processing	<b>41406</b> sports activities coordinator
<b>94120</b> splitter - sawmill	<b>50012</b> sports administration director - government
<b>94124</b> splitter - woodworking	<b>11202</b> sports agent
<b>94120</b> splitter operator - sawmill	<b>41406</b> sports analyst
<b>94124</b> splitting machine operator cork	<b>65211</b> sports and leisure attendant
<b>94112</b> splitting machine tender - rubber products manufacturing	<b>41406</b> sports and leisure consultant
<b>95109</b> splitting machine tender - shoe manufacturing	<b>41406</b> sports and leisure counsellor
<b>94219</b> spoked wheel assembler	<b>50012</b> sports and leisure director
<b>11202</b> spokesperson	<b>54100</b> sports and leisure leader
<b>94140</b> sponge and dough mixer - food and beverage processing	<b>65211</b> sports and recreation attendant
<b>94219</b> sponge mop assembler	<b>41406</b> sports and recreation consultant
<b>94112</b> sponge rubber goods inspector	<b>41406</b> sports and recreation counsellor
<b>94130</b> sponge-range operator - textile manufacturing	<b>50012</b> sports and recreation director
<b>41301</b> spontaneous art teacher - therapy	<b>54100</b> sports and recreation leader
<b>95105</b> spool carrier - textile processing	<b>52114</b> sports announcer
<b>95105</b> spool hauler - textile processing	<b>50012</b> sports association director
<b>94130</b> spool winder - textile manufacturing	<b>00013</b> sports association president
<b>94107</b> spool winder	<b>65211</b> sports attendant
<b>94107</b> spooler - metal products manufacturing	<b>94219</b> sports ball inspector and repairer
	<b>94219</b> sports ball moulder press operator
	<b>94219</b> sports ball moulder

<b>52120</b> sports cartoonist	<b>51111</b> sports writer - novels and books
<b>65211</b> sports centre attendant	<b>41406</b> sports, recreation and leisure supervisor
<b>53201</b> sports coach	<b>41406</b> sports, recreational and leisure programs supervisor
<b>51113</b> sports columnist	<b>52114</b> sportscaster
<b>52114</b> sports commentator	<b>50012</b> sports-service sports programs director
<b>53202</b> sports competition judge	<b>72106</b> spot resistance welder
<b>41406</b> sports consultant	<b>72106</b> spot welder
<b>41406</b> sports coordinator	<b>53111</b> spotlight operator
<b>41406</b> sports counsellor	<b>65320</b> spotter - laundry and dry cleaning
<b>50012</b> sports director	<b>95109</b> spray booth cleaner
<b>51110</b> sports editor	<b>92013</b> spray chamber supervisor - rubber and plastic products manufacturing
<b>92024</b> sports equipment assembly supervisor	<b>94110</b> spray dryer tender - chemical processing
<b>65211</b> sports equipment attendant	<b>94205</b> spray foam machine operator - electrical equipment manufacturing
<b>65211</b> sports equipment custodian	<b>73209</b> spray gun repairer
<b>73209</b> sports equipment repairer	<b>94213</b> spray paint machine operator
<b>65211</b> sports facility attendant	<b>94213</b> spray paint machine tender
<b>70012</b> sports facility manager	<b>94213</b> spray paint operator
<b>50012</b> sports federation director	<b>94213</b> spray painter - motor vehicle manufacturing
<b>94219</b> sports headgear assembler	<b>94213</b> spray painter - production
<b>94219</b> sports helmet assembler	<b>95109</b> spray painter helper
<b>54100</b> sports instructor	<b>94213</b> spray painter
<b>53202</b> sports judge	<b>72600</b> spray pilot
<b>54100</b> sports leader	<b>94210</b> spray stainer - furniture finishing and refinishing
<b>53202</b> sports linesman/woman	<b>94213</b> spray stainer - production
<b>31100</b> sports medicine physician	<b>75110</b> spray truck helper
<b>31100</b> sports medicine specialist	<b>85120</b> sprayer - logging and forestry
<b>53202</b> sports official	<b>94130</b> spraying machine tender - textile manufacturing
<b>41406</b> sports policy analyst	<b>75110</b> spreader box tender
<b>52119</b> sports program coordinator - broadcasting	<b>94112</b> spreader machine tender - rubber products manufacturing
<b>41406</b> sports program coordinator - sports and recreation	<b>73400</b> spreader operator - heavy equipment
<b>50012</b> sports program director	<b>94112</b> spreader operator - rubber products manufacturing
<b>41406</b> sports program supervisor	<b>95104</b> spreader operator helper - plastic products manufacturing
<b>41406</b> sports programs coordinator	<b>94112</b> spreader tender - rubber products manufacturing
<b>41406</b> sports projects officer	<b>94200</b> spring assembler - motor vehicle manufacturing
<b>31200</b> sports psychologist	<b>94107</b> spring assembly machine operator
<b>53202</b> sports referee	<b>94107</b> spring coiler
<b>51113</b> sports reporter	
<b>53201</b> sports scout	
<b>41406</b> sports supervisor	
<b>51113</b> sports writer - journalism	

<b>95109</b> spring inserter - furniture manufacturing	<b>85100</b> stable hand
<b>94107</b> spring inspector	<b>85100</b> stable worker
<b>74203</b> spring installer	<b>85100</b> stableman/woman
<b>94107</b> spring machine assembler	<b>94100</b> stack dust leach operator - zinc casting
<b>94107</b> spring machine operator	<b>75101</b> stacker - material handling
<b>94107</b> spring machine set-up operator	<b>95109</b> stacker - printing
<b>94107</b> spring tester	<b>95103</b> stacker - wood processing
<b>94107</b> spring winder	<b>73400</b> stacker operator - heavy equipment
<b>94107</b> spring-coiling machine operator	<b>75101</b> stacker operator - material handling
<b>95109</b> springer - furniture assembly	<b>94205</b> stacking machine operator - electrical equipment manufacturing
<b>94107</b> spring-making machine operator	<b>75101</b> stacking machine operator - material handling
<b>94107</b> spring-making machine set-up operator	<b>75101</b> stacking machine tender - material handling
<b>94107</b> spring-winding machine operator	<b>85121</b> stadium groundskeeper
<b>72301</b> sprinkler and fire protection installer	<b>70012</b> stadium manager
<b>72301</b> sprinkler fitter	<b>12201</b> staff adjuster - insurance
<b>72012</b> sprinkler fitters foreman/woman	<b>52114</b> staff announcer
<b>72012</b> sprinkler system contractor	<b>41101</b> staff counsel
<b>72301</b> sprinkler system fitter	<b>41101</b> staff lawyer
<b>72301</b> sprinkler system installer (non-construction)	<b>31301</b> staff nurse
<b>72301</b> sprinkler system installer apprentice	<b>11200</b> staff relations administrator
<b>72012</b> sprinkler system installer foreman/woman	<b>10011</b> staff relations chief
<b>72301</b> sprinkler system installer	<b>10011</b> staff relations manager
<b>72012</b> sprinkler system installers supervisor	<b>11200</b> staff relations officer
<b>72012</b> sprinkler systems contractor	<b>42100</b> staff sergeant - police
<b>74205</b> sprinkling truck driver - public works	<b>41101</b> staff solicitor
<b>53200</b> sprinter	<b>40040</b> staff superintendent - police
<b>94130</b> spun yarn doubler - textile manufacturing	<b>21110</b> staff toxicologist
<b>95105</b> spun yarn linker	<b>10011</b> staff training and development chief
<b>92015</b> spun yarn preparation foreman/woman	<b>10011</b> staff training and development manager
<b>92015</b> spun yarn preparation supervisor - textile processing	<b>11200</b> staff training and development officer
<b>95105</b> spun yarn storekeeper	<b>11200</b> staff training and development supervisor
<b>95105</b> spun yarn weigher	<b>11200</b> staff training coordinator
<b>75119</b> squeak, rattle and leak locator	<b>11200</b> staff training officer - human resources
<b>94101</b> squeezer machine operator - foundry	<b>41210</b> staff training officer - industry
<b>94101</b> squeezer moulder - foundry	<b>51113</b> staff writer - newspaper
<b>94124</b> squeezer tender - woodworking	<b>12101</b> staffing adviser
<b>75110</b> stabber - pipeline construction	<b>12101</b> staffing analyst
<b>75110</b> stabber	<b>14102</b> staffing assistant
<b>85100</b> stable assistant	<b>10011</b> staffing chief
<b>82030</b> stable boss	<b>14102</b> staffing clerk

<b>12101</b> staffing coordinator	<b>95100</b> stamper - primary metal processing
<b>12101</b> staffing officer	<b>95109</b> stamper and labeller
<b>52119</b> stage assistant director	<b>72101</b> stamping die finisher
<b>53111</b> stage best boy	<b>94152</b> stamping press operator - printing
<b>72310</b> stage carpenter	<b>53202</b> standardbred judge - racetrack
<b>51120</b> stage director - performing arts	<b>53200</b> standardbred pacer
<b>52119</b> stage electrician	<b>53121</b> standardized patient
<b>52119</b> stage manager	<b>21101</b> standards chemist
<b>51121</b> stage musical director	<b>11201</b> standards coordinator
<b>51120</b> stage producer	<b>11201</b> standards specialist
<b>53111</b> stage production worker	<b>51112</b> standards writer
<b>53111</b> stage property person	<b>53121</b> stand-in
<b>53123</b> stage scenery designer	<b>41407</b> standing committee officer
<b>52119</b> stage technician	<b>41407</b> standing or select committee officer
<b>53111</b> stagehand	<b>53121</b> stand-up comedian
<b>94151</b> stager - printing	<b>94102</b> staple cutter - glass products manufacturing
<b>53111</b> staging assistant	<b>94130</b> staple cutter - textile manufacturing
<b>52119</b> staging supervisor	<b>94107</b> staple machine set-up operator
<b>72014</b> stain glass installers foreman/woman	<b>94130</b> staple processing machine tender - textile manufacturing
<b>65320</b> stain remover	<b>94219</b> stapling machine tender
<b>53124</b> stained glass artist	<b>95106</b> starch centrifuge tender
<b>53124</b> stained glass designer	<b>94140</b> starch converter
<b>73111</b> stained glass glazier	<b>95106</b> starch factory labourer - food and beverage processing
<b>72014</b> stained glass glaziers foreman/woman	<b>94140</b> starch maker - food and beverage processing
<b>53124</b> stained glass painter	<b>94140</b> starch press tender
<b>94102</b> stained glass production worker	<b>94140</b> starch separator operator
<b>72310</b> stair builder-carpenter	<b>94143</b> starch tester - food and beverage processing
<b>72013</b> stair builders foreman/woman	<b>94140</b> starch washer - food and beverage processing
<b>73200</b> stair installer	<b>64312</b> station agent - airline
<b>72310</b> stairway carpenter	<b>72023</b> station agent - railway transport
<b>94123</b> stake grader - wood processing	<b>64313</b> station agent - railway
<b>75119</b> stakeman/woman - land surveying	<b>74202</b> station attendant - air transport
<b>75119</b> staker - detailer	<b>42100</b> station duty officer - police
<b>94219</b> staking machine tender	<b>42100</b> station officer - police
<b>60020</b> stamp dealer	<b>92100</b> station operator - electrical power systems
<b>95109</b> stamp filler	<b>64312</b> station services agent - airline
<b>94219</b> stamp pad maker	<b>92100</b> stationary diesel engine operator
<b>74100</b> stamp-cancelling machine tender - mail and parcel sorting	<b>75119</b> stationary engine oiler
<b>53200</b> stampede performer	<b>92100</b> stationary engineer "A" and refrigeration plant operator
<b>53200</b> stampede racer	

<b>92100</b> stationary engineer "B" and refrigeration plant operator	<b>65320</b> steam finisher - laundry and dry cleaning
<b>92100</b> stationary engineer apprentice	<b>75110</b> steam fitter's helper - construction
<b>92011</b> stationary engineer foreman/woman	<b>94105</b> steam hammer operator - metal forging
<b>95102</b> stationary engineer helper	<b>72301</b> steam heating installer
<b>92100</b> stationary engineer	<b>94140</b> steam kettle operator - food and beverage processing
<b>92011</b> stationary engineers supervisor	<b>72301</b> steam main servicer
<b>72400</b> stationary farm equipment mechanic	<b>73209</b> steam meter repairer
<b>92100</b> stationary operating engineer	<b>92100</b> steam operator
<b>92100</b> stationary power engineer	<b>94140</b> steam oven operator - food and beverage processing
<b>60020</b> stationery store manager	<b>72301</b> steam pipefitter
<b>72023</b> stationmaster - railway transport	<b>92011</b> steam plant engineers foreman/woman
<b>72023</b> stationmaster	<b>92011</b> steam plant foreman/woman
<b>11202</b> stations-relations administrator	<b>72400</b> steam plant maintenance mechanic
<b>21210</b> statistical analysis supervisor	<b>92100</b> steam plant operator
<b>21210</b> statistical analyst	<b>92100</b> steam power plant stationary engineer
<b>14110</b> statistical assistant	<b>65320</b> steam press operator - laundry and dry cleaning
<b>14110</b> statistical clerk	<b>62029</b> steam press operators foreman/woman - laundry and dry cleaning
<b>12012</b> statistical clerks supervisor	<b>65320</b> steam presser - laundry and dry cleaning
<b>21210</b> statistical consultant	<b>65329</b> steam room attendant
<b>20011</b> statistical department director	<b>94130</b> steam sponger - textile manufacturing
<b>21210</b> statistical methodologist	<b>65201</b> steam table attendant - food services
<b>12113</b> statistical officer	<b>94140</b> steam table operator - food and beverage processing
<b>20011</b> statistical service manager	<b>94103</b> steam tank operator - stone products
<b>12113</b> statistical technician	<b>65320</b> steam tunnel operator - laundry and dry cleaning
<b>21210</b> statistician	<b>92100</b> steam turbine operator - electrical power systems
<b>94203</b> stator inspector - industrial electrical equipment	<b>72400</b> steam turbine repairer
<b>94203</b> stator-core and rotor-core builder and welder - industrial electrical equipment	<b>65311</b> steamblaster
<b>41403</b> status of women's directorate policy analyst	<b>65311</b> steamblasting building cleaner
<b>94120</b> stave bolt saw operator	<b>94140</b> steamer - tobacco processing
<b>94120</b> stave bolt sawyer - sawmill	<b>94130</b> steamer tender - textile manufacturing
<b>94124</b> stave jointer - woodworking	<b>72301</b> steamfitter - shipbuilding
<b>94124</b> stave machine operator - woodworking	<b>72012</b> steamfitter foreman/woman
<b>94124</b> stave sawyer - woodworking	<b>72301</b> steamfitter/pipefitter (non-construction)
<b>94122</b> stayer machine tender - paper converting	<b>72301</b> steamfitter
<b>95109</b> steam cabinet attendant - garment manufacturing	<b>72301</b> steamfitter-pipefitter
<b>94130</b> steam cabinet operator - textile manufacturing	<b>72012</b> steamfitters supervisor
<b>65311</b> steam cleaner	<b>94103</b> steam-pressure cylinder tender - clay products
<b>94140</b> steam dryer - food and beverage processing	
<b>92011</b> steam engineers foreman/woman	

<b>22212</b> steel detailer - drafting	<b>93100</b> steel-degasser process operator
<b>94150</b> steel die printer	<b>72101</b> steel-rule die maker
<b>72105</b> steel door setting ironworker	<b>84100</b> steelwork erector - underground mining
<b>53124</b> steel engraver - arts and crafts	<b>72999</b> steeplejack
<b>75110</b> steel erector helper	<b>94140</b> steepman/woman - food and beverage processing
<b>72104</b> steel fabricator - structural metal and platework	<b>94204</b> steering box assembler
<b>72104</b> steel fabricator	<b>94140</b> stem cutter - tobacco processing
<b>72104</b> steel fitter - metal platework	<b>94140</b> stem roller - tobacco processing
<b>72104</b> steel fitter - structural metal	<b>94140</b> stem-flattening machine operator - tobacco processing
<b>72010</b> steel fitter foreman/woman - metal fabrication	<b>94140</b> stem-flattening machine tender - tobacco processing
<b>84100</b> steel form setter - underground mining	<b>94140</b> stemming machine operator - tobacco processing
<b>75110</b> steel form setting worker	<b>94103</b> stencil cutter - stone products
<b>75110</b> steel forms setter helper	<b>52111</b> stencil marker - graphic arts
<b>22212</b> steel frame draftsman/woman	<b>52111</b> stencil marker
<b>22212</b> steel frame draftsperson	<b>94151</b> stencil preparer
<b>72010</b> steel frame erectors foreman/woman	<b>94150</b> stencil silk-screen printing machine operator
<b>72310</b> steel framer - carpentry	<b>94130</b> stender tender
<b>93100</b> steel heater operator	<b>12110</b> stenotype operator
<b>94104</b> steel inspector - primary metal processing	<b>94151</b> step and repeat camera operator
<b>90010</b> steel mill manager	<b>60020</b> stereo equipment store manager
<b>92010</b> steel mill shift coordinator	<b>22311</b> stereo repair technician
<b>95100</b> steel plant labourer	<b>52113</b> stereo tape editor
<b>94204</b> steel plate caulker - shipbuilding	<b>94151</b> stereotyper
<b>72104</b> steel plate shaper - ships	<b>72022</b> stereotypists and electroplaters foreman/woman
<b>94100</b> steel pourer	<b>33109</b> sterile processing technician
<b>62100</b> steel product sales representative	<b>33109</b> sterile processing worker
<b>72010</b> steel rigger foreman/woman	<b>93101</b> sterile products processor - chemical processing
<b>94100</b> steel roller	<b>33109</b> sterile supply room attendant
<b>94100</b> steel rougher	<b>33109</b> sterilization attendant
<b>94104</b> steel sheet inspector - primary metal processing	<b>33109</b> sterilization processing attendant
<b>94105</b> steel shot machine operator	<b>94140</b> sterilizer machine operator - food and beverage processing
<b>83110</b> steel spar operator - logging	<b>94140</b> sterilizer operator - food and beverage processing
<b>94100</b> steel straightener operator	<b>94219</b> sterilizer operator - surgical equipment manufacturing
<b>72010</b> steel structure erectors foreman/woman	<b>75100</b> stevedore
<b>72010</b> steel structure forming, shaping and erecting contractor	<b>72021</b> stevedores foreman/woman
<b>72310</b> steel stud framer - carpentry	
<b>94104</b> steel tester - primary metal processing	
<b>94100</b> steel treater - primary metal processing	
<b>72010</b> steel truss erectors foreman/woman	
<b>94107</b> steel wool machine operator	

<b>72021</b> stevedoring foreman/woman	<b>51113</b> stock market reporter
<b>65201</b> steward - Canadian Armed Forces	<b>94130</b> stock mixer - textile manufacturing
<b>65200</b> steward - food and beverage services	<b>92013</b> stock preparation foreman/woman - rubber manufacturing
<b>12102</b> stewardship officer	<b>95104</b> stock preparer - rubber products manufacturing
<b>95102</b> still cleaner - chemical processing	<b>14400</b> stock receiver
<b>94140</b> still operator - brewery	<b>14401</b> stock records clerk
<b>53110</b> still photographer	<b>62010</b> stock supervisor - retail
<b>94110</b> still tender	<b>94121</b> stock tester - pulp and paper
<b>95109</b> stitch separator and simulator - shoe manufacturing	<b>94121</b> stock washer - pulp and paper
<b>94132</b> stitcher - garment manufacturing	<b>11103</b> stockbroker
<b>94152</b> stitcher operator - printing	<b>94133</b> stocking inspector
<b>94124</b> stitcher operator - woodworking	<b>94132</b> stocking stitcher
<b>94152</b> stitcher set-up operator - printing	<b>75101</b> stock-keeper helper
<b>92015</b> stitchers foreman/woman - fabric, fur and leather products manufacturing	<b>75101</b> stockpiler
<b>94152</b> stitcher-trimmer operator - printing	<b>65102</b> stockroom clerk - retail
<b>92015</b> stitching department foreman/woman - fabric, fur and leather products manufacturing	<b>11103</b> stocks and bonds trader
<b>92015</b> stitching department supervisor - fabric, fur and leather products manufacturing	<b>82030</b> stockyard and herdsman foreman/woman
<b>92015</b> stitching department supervisor	<b>85100</b> stockyard attendant
<b>94132</b> stitching machine operator - industrial sewing machine	<b>74201</b> stoker - ships
<b>94152</b> stitching machine operator - printing	<b>72420</b> stoker erector
<b>94152</b> stitching machine set-up operator - printing	<b>31110</b> stomatologist
<b>84120</b> stock attendant	<b>95100</b> stone bed setter - mineral products processing
<b>53200</b> stock car racer	<b>94103</b> stone beveller
<b>14401</b> stock clerk - parts and equipment	<b>94103</b> stone driller - stone products
<b>65102</b> stock clerk - retail	<b>94103</b> stone driller
<b>62010</b> stock clerks supervisor - retail	<b>85110</b> stone duster - underground mining
<b>12013</b> stock clerks supervisor	<b>94103</b> stone grinder tender
<b>14401</b> stock control clerk	<b>94104</b> stone inspector - mineral products processing
<b>12013</b> stock control supervisor	<b>94103</b> stone layout marker
<b>94124</b> stock cutter - woodworking	<b>94103</b> stone planer
<b>11103</b> stock exchange floor trader	<b>92010</b> stone processing foreman/woman
<b>94210</b> stock grader - furniture manufacturing	<b>94103</b> stone products buffer
<b>65102</b> stock handler - food store	<b>94103</b> stone products machine operator
<b>14400</b> stock handler	<b>92010</b> stone products manufacturing foreman/woman
<b>75101</b> stock helper	<b>94103</b> stone products moulder
<b>14401</b> stock keeper	<b>94103</b> stone products polisher
<b>95104</b> stock lay-up man/woman - rubber products manufacturing	<b>94103</b> stone sandblaster
	<b>94103</b> stone saw operator
	<b>73209</b> stone saw setter
	<b>94103</b> stone sawyer - stone products

<b>72320</b> stone setter	<b>64410</b> store detective
<b>94103</b> stone slab splitter tender	<b>64100</b> store display designer
<b>62202</b> stonecutter - jewellery	<b>60020</b> store manager - retail
<b>94103</b> stonecutter - stone products	<b>14401</b> storekeeper
<b>72320</b> stonecutter	<b>14401</b> storeman/woman
<b>72014</b> stonemason foreman/woman	<b>53121</b> story teller
<b>72320</b> stonemason	<b>52120</b> storyboard artist
<b>72014</b> stonemasonry contractor	<b>51111</b> storyboarder
<b>62202</b> stonemaker - jewellery	<b>94213</b> stove refinisher
<b>94103</b> stonework block maker	<b>72421</b> stove repairer
<b>94103</b> stonework drill press operator	<b>72421</b> stove repairman/woman electric
<b>94103</b> stonework engraver - stone products	<b>72421</b> stove serviceman/woman electric
<b>95100</b> stonework filler - mineral products processing	<b>94213</b> stove varnisher
<b>94104</b> stonework grader	<b>95102</b> stove-bottom worker
<b>94103</b> stonework moulder	<b>95102</b> stove-carriage worker
<b>72999</b> stonework patternmaker	<b>64313</b> stowage clerk
<b>94103</b> stonework sandblast operator	<b>75100</b> stower
<b>94103</b> stonework saw operator	<b>75101</b> straddle carrier operator
<b>94103</b> stonework stencil cutter	<b>75101</b> straddle truck operator
<b>83100</b> stope driller - underground mining	<b>94106</b> straight bevel-gear cutting machine set-up operator
<b>82020</b> stope foreman/woman - mining	<b>94106</b> straight bevel-gear generator set-up operator
<b>83100</b> stope miner	<b>94105</b> straight line press setter - metal fabrication
<b>94205</b> storage battery assembler	<b>53121</b> straight man
<b>94205</b> storage battery assembly line operator	<b>94105</b> straightener hand - metal fabrication
<b>94205</b> storage battery charger - electrical equipment manufacturing	<b>94100</b> straightening feeder operator
<b>72422</b> storage battery repairer	<b>94100</b> straightening machine operator
<b>94203</b> storage battery salvager	<b>94105</b> straightening press operator - metal fabrication
<b>94205</b> storage battery tester	<b>94112</b> strainer tender - rubber products manufacturing
<b>94205</b> storage battery tube filler - electrical equipment manufacturing	<b>94101</b> strand operator - foundry
<b>64100</b> storage facility leasing clerk	<b>94130</b> strand-forming machine tender - textile manufacturing
<b>64100</b> storage facility rental clerk	<b>94107</b> stranding machine operator
<b>72021</b> storage foreman/woman	<b>94112</b> strap machine tender - rubber products manufacturing
<b>75101</b> storage man/woman	<b>94102</b> strapping machine operator - glass manufacturing
<b>12102</b> storage purchasing coordinator	<b>13101</b> strata property manager
<b>64101</b> storage services sales representative	<b>12102</b> strategic sourcing analyst
<b>64100</b> storage space rental clerk	<b>10012</b> strategic sourcing director
<b>95109</b> storage worker - ice processing	<b>21102</b> stratigrapher
<b>75101</b> storage worker - material handling	<b>55109</b> street entertainer
<b>64100</b> store clerk	



<b>74205</b> street flusher operator - public works	<b>72021</b> strip mine blasting foreman/woman
<b>74205</b> street flusher operator	<b>94140</b> strip-cutting and blending operator - tobacco processing
<b>65201</b> street food vendor	<b>94140</b> strip-cutting machine tender - tobacco processing
<b>51122</b> street musician	<b>94151</b> stripper - printing
<b>42201</b> street outreach worker	<b>94151</b> stripper-image assembler - printing
<b>73400</b> street paver operator	<b>94151</b> stripper-layout specialist - printing
<b>53110</b> street photographer	<b>94140</b> stripping machine operator - tobacco processing
<b>72024</b> street railway and subway operators supervisor	<b>95105</b> stripping machine tender - leather products manufacturing
<b>72024</b> street railway operators supervisor	<b>94140</b> stripping machine tender - tobacco processing
<b>74205</b> street sprinkler operator - public works	<b>74203</b> stripping shovel oiler
<b>74205</b> street sweeper operator - public works	<b>73400</b> stripping shovel operator
<b>74205</b> street sweeper operator	<b>94105</b> strip-roll-forming machine operator - metal fabrication
<b>65109</b> street vendor	<b>94105</b> strip-roll-forming machine tender - metal fabrication
<b>72403</b> streetcar and subway car mechanic	<b>55109</b> striptease dancer
<b>72024</b> streetcar and subway operators supervisor	<b>21300</b> structural design engineer
<b>65311</b> streetcar cleaner	<b>22300</b> structural design technologist
<b>73301</b> streetcar conductor	<b>22212</b> structural draftsman
<b>72403</b> streetcar mechanic	<b>21300</b> structural engineer
<b>73301</b> streetcar operator	<b>20010</b> structural engineering manager
<b>72024</b> streetcar operators supervisor	<b>21300</b> structural engineering project manager
<b>72021</b> streetcar track foreman/woman	<b>22300</b> structural engineering technician
<b>72203</b> streetlight repairer - electric power systems	<b>42101</b> structural firefighter
<b>72203</b> streetlight repairer	<b>21102</b> structural geologist
<b>72203</b> streetlight serviceman/woman - electric power systems	<b>73111</b> structural glass glazier
<b>72203</b> streetlight servicer - electric power systems	<b>73111</b> structural glass installer
<b>42201</b> streetworker - social services	<b>73400</b> structural hydraulic jack erector
<b>21390</b> stress engineer - aerospace	<b>22300</b> structural investigator
<b>65320</b> stretcher dryer - laundry and dry cleaning	<b>72105</b> structural iron erector
<b>95100</b> stretcher-leveller helper - primary metal processing	<b>22233</b> structural ironwork inspector
<b>94100</b> stretcher-leveller operator - primary metal processing	<b>72105</b> structural ironworker
<b>94130</b> stretching machine operator - hide and pelt processing	<b>72104</b> structural metal and platework fabricator apprentice
<b>94130</b> stretching machine tender - textile manufacturing	<b>72104</b> structural metal and platework fabricator
<b>94130</b> strike-off machine tender - textile manufacturing	<b>72104</b> structural metal and platework fitter
<b>53124</b> stringed instrument maker	<b>72104</b> structural metal and platework fitter-welder
<b>73209</b> stringed instrument repairer	

<b>72104</b> structural metal and platework plater	<b>13100</b> student assistance officer
<b>72010</b> structural metal erector foreman/woman	<b>40012</b> student assistance program director
<b>72105</b> structural metal erector	<b>32123</b> student cardiology technologist
<b>72010</b> structural metal fabricator foreman/woman	<b>41320</b> student counsellor
<b>72104</b> structural metal fabricator	<b>32110</b> student dental mechanic
<b>95101</b> structural metal fitter helper	<b>32110</b> student dentist
<b>72010</b> structural metal fitter supervisor	<b>41320</b> student employment services coordinator
<b>72104</b> structural metal fitter	<b>63102</b> student loans officer
<b>72104</b> structural metal fitter-assembler	<b>32122</b> student medical sonographer
<b>72104</b> structural metal layout marker	<b>45100</b> student monitor
<b>72104</b> structural metal worker	<b>32100</b> student optician
<b>75110</b> structural plate fitter helper - construction	<b>12101</b> student placement officer
<b>72404</b> structural repair technician	<b>11202</b> student recruiter - post-secondary education
<b>72104</b> structural steel and platework fitter	<b>65310</b> student residence cleaner
<b>72010</b> structural steel contractor	<b>60031</b> student residence manager
<b>22212</b> structural steel detailer	<b>41320</b> student services counsellor
<b>22212</b> structural steel drafter-detailer	<b>32122</b> student sonographer - medical
<b>22212</b> structural steel draftsman	<b>45100</b> student supervisor
<b>72010</b> structural steel erecting contractor	<b>43100</b> student support assistant
<b>75110</b> structural steel erector helper	<b>41101</b> student-at-law
<b>72105</b> structural steel erector	<b>52119</b> studio administrator
<b>72104</b> structural steel fabricator	<b>52110</b> studio camera operator
<b>95101</b> structural steel fitter helper	<b>72310</b> studio carpenter
<b>72104</b> structural steel fitter	<b>52119</b> studio electrician
<b>22233</b> structural steel inspector	<b>52119</b> studio manager - broadcasting
<b>72104</b> structural steel plate shaper	<b>52119</b> studio manager
<b>72104</b> structural steel plate worker-fitter	<b>94151</b> studio-image-processing system operator
<b>72010</b> structural steel worker foreman/woman	<b>94219</b> stuffing machine operator
<b>72104</b> structural steelwork and platework fitter	<b>94219</b> stuffing machine tender
<b>73200</b> structure seat installer	<b>94124</b> stummel trimmer - woodworking
<b>72204</b> structured cabling technician	<b>94124</b> stummel turner - woodworking
<b>21390</b> structures aerospace engineer	<b>95106</b> stunner and shackler - meat packing
<b>72404</b> structures aircraft maintenance engineer (AME)	<b>52119</b> stunt coordinator
<b>72404</b> structures mechanic	<b>55109</b> stunt performer - entertainer
<b>73102</b> stucco lather	<b>53121</b> stunt performer - film and theatre
<b>73102</b> stucco plasterer	<b>55109</b> stunt rider
<b>72014</b> stucco plasterers foreman/woman	<b>93200</b> subassembler - aircraft assembly
<b>40020</b> student activities dean	<b>94210</b> subassembler - furniture manufacturing
<b>41320</b> student affairs and employment officer	<b>94200</b> subassembler - motor vehicle manufacturing
<b>40020</b> student affairs director	<b>43202</b> subdivision control officer
<b>13100</b> student aid officer	<b>51110</b> sub-editor

<b>41405</b> subject consultant - education	<b>94143</b> sugar tester
<b>40042</b> sub-lieutenant	<b>85101</b> sugar-beet farm worker
<b>72106</b> submerged arc welder	<b>82030</b> sugarbush operation foreman/woman
<b>72106</b> submerged arc welding machine operator	<b>94140</b> sugar-processing machine operator
<b>64401</b> sub-post office clerk	<b>92015</b> suitmaking foreman/woman
<b>65109</b> subscription agent - retail	<b>53200</b> sulky driver
<b>14100</b> subscription clerk	<b>94110</b> sulphonator operator - chemical processing
<b>62010</b> subscription sales team leader	<b>94110</b> sulphonator
<b>65109</b> subscription solicitor	<b>94100</b> sulphur control operator - zinc pressure leach
<b>21332</b> subsea engineer	<b>95102</b> sulphuric acid plant operator helper
<b>43200</b> sub-sheriff	<b>93101</b> sulphuric acid plant operator
<b>42201</b> substance abuse worker	<b>65329</b> suntan studio attendant
<b>72202</b> substation electrician - electrical power system	<b>64321</b> super pan 9 croupier
<b>92100</b> substation operator - electrical power systems	<b>14201</b> superannuation clerk - financial sector
<b>95102</b> substation operator helper	<b>13102</b> superannuation clerk - government
<b>92100</b> substation operator	<b>95103</b> supercalender helper - pulp and paper
<b>41220</b> substitute high school teacher	<b>94121</b> supercalender operator - pulp and paper
<b>41221</b> substitute teacher - elementary school	<b>14400</b> supercargo
<b>41220</b> substitute teacher - secondary school	<b>94130</b> super-draft tender
<b>72024</b> subway and street railway operators supervisor	<b>21111</b> superintendent - forestry
<b>72024</b> subway and streetcar operators supervisor	<b>40040</b> superintendent - police
<b>65311</b> subway car cleaner	<b>40021</b> superintendent of academic affairs
<b>72403</b> subway car mechanic	<b>40021</b> superintendent of education programs in public schools
<b>72024</b> subway controller	<b>40021</b> superintendent of education programs
<b>72024</b> subway operators foreman/woman	<b>40021</b> superintendent of educational services
<b>72024</b> subway operators supervisor	<b>40021</b> superintendent of elementary education
<b>14405</b> subway scheduler	<b>40021</b> superintendent of elementary schools
<b>72024</b> subway system traffic controller	<b>00011</b> superintendent of financial institutions
<b>72024</b> subway traffic controller	<b>40021</b> superintendent of operations - schools
<b>73301</b> subway train operator	<b>40021</b> superintendent of professional development - schools
<b>12104</b> succession duty auditor - taxation	<b>40021</b> superintendent of secondary schools
<b>65320</b> suede cleaner - laundry and dry cleaning	<b>64314</b> superintendent of services - hotel
<b>80020</b> sugar beet farmer	<b>40021</b> superintendent of special education
<b>95106</b> sugar boiler helper	<b>40021</b> superintendent of student services
<b>94140</b> sugar boiler	<b>70020</b> superintendent of transportation
<b>85101</b> sugar bush worker	<b>41100</b> superior court justice
<b>92012</b> sugar filter house foreman/woman	<b>63201</b> supermarket butcher
<b>95106</b> sugar grinder	<b>65100</b> supermarket cashier
<b>80020</b> sugar maple grower	<b>65102</b> supermarket clerk
<b>92012</b> sugar processing workers foreman/woman	
<b>92012</b> sugar refining foreman/woman	

<b>62010</b> supermarket department supervisor	<b>41220</b> supply high school teacher
<b>75101</b> supermarket jigger operator	<b>14402</b> supply needs estimator
<b>60020</b> supermarket manager	<b>10012</b> supply service chief
<b>64100</b> supermarket meat clerk	<b>41221</b> supply teacher - elementary school
<b>65202</b> supermarket meat cutter	<b>14403</b> supply technician - Canadian Armed Forces
<b>65102</b> supermarket produce clerk	<b>33109</b> supply, processing and distribution aide - medical
<b>42201</b> supervised access worker	<b>10012</b> supply-management director
<b>62200</b> supervising chef	<b>51112</b> support materials writer
<b>21331</b> supervising engineer - petrography	<b>84100</b> support miner
<b>21331</b> supervising engineer - rock sciences	<b>10019</b> support services administrative manager
<b>92021</b> supervisor - electronic equipment manufacturing	<b>33102</b> support services assistant - medical
<b>92012</b> supervisor - meat packing	<b>10019</b> support services manager
<b>62010</b> supervisor - retail	<b>00012</b> support services vice-president - financial, communications and other business services
<b>92012</b> supervisor - vegetable packing	<b>00015</b> support services vice-president - goods production, utilities, transportation and construction
<b>32102</b> supervisor ambulance attendants	<b>00013</b> support services vice-president - health, education, social and community services and membership organizations
<b>72014</b> supervisor bricklaying	<b>00014</b> support services vice-president - trade, broadcasting and other services
<b>72014</b> supervisor cement finishing	<b>14103</b> Supreme Court clerk
<b>12011</b> supervisor of accounting	<b>41100</b> Supreme Court justice
<b>72021</b> supervisor of public works road maintenance workers	<b>41100</b> Supreme Court of Canada justice
<b>64101</b> supplier - wholesale	<b>10019</b> Supreme Court registrar
<b>12013</b> supply and receiving supervisor	<b>12202</b> surety underwriter - insurance
<b>64409</b> supply and return clerk	<b>82020</b> surface foreman/woman - mining
<b>82020</b> supply boss - mining	<b>94106</b> surface grinder set-up operator
<b>14401</b> supply centre clerk	<b>10029</b> surface land administration manager
<b>14400</b> supply chain assistant	<b>72021</b> surface mine blasting foreman/woman
<b>13201</b> supply chain coordinator - production	<b>82020</b> surface mine foreman/woman
<b>10012</b> supply chain director	<b>82020</b> surface mine supervisor
<b>10012</b> supply chain logistics manager	<b>73400</b> surface mining equipment operator
<b>10012</b> supply chain manager	<b>94201</b> surface mount assembler - electronic equipment manufacturing
<b>11201</b> supply chain process analyst	<b>94201</b> surface mount assembler
<b>11201</b> supply chain project manager	<b>94124</b> surface planer operator - woodworking
<b>13200</b> supply chain specialist - customs brokerage	<b>94103</b> surface plate finisher - concrete, clay and stone products
<b>12102</b> supply chain specialist - procurement	<b>22214</b> surface weather observer
<b>12013</b> supply chain supervisor	<b>31101</b> surgeon
<b>10012</b> supply chief	<b>41200</b> surgery professor - university
<b>14402</b> supply clerk - production	
<b>14403</b> supply clerk	
<b>13201</b> supply control coordinator	
<b>82020</b> supply foreman/woman - mining	

<b>33102</b> surgical aide	<b>75119</b> surveyor helper
<b>32129</b> surgical appliance fitter	<b>73209</b> survival equipment repairer
<b>33109</b> surgical assistant - non-nursing	<b>62200</b> sushi chef
<b>33109</b> surgical assistant	<b>65201</b> sushi preparer
<b>31300</b> surgical coordinator - nursing	<b>41400</b> sustainability advisor
<b>32129</b> surgical fitter	<b>41400</b> sustainability consultant
<b>31301</b> surgical intensive care nurse	<b>20011</b> sustainability manager
<b>32101</b> surgical nursing assistant	<b>41400</b> sustainability officer
<b>94131</b> surgical pad knitter	<b>41400</b> sustainability program coordinator
<b>31100</b> surgical pathologist	<b>20011</b> sustainability services manager
<b>31101</b> surgical physician	<b>41400</b> sustainability specialist
<b>31101</b> surgical resident	<b>00012</b> sustainability vice-president - financial, communications and other business services
<b>62100</b> surgical supply salesperson	<b>00015</b> sustainability vice-president - goods production, utilities, transport and construction
<b>33109</b> surgical technician - non-nursing	<b>00013</b> sustainability vice-president - health, education, social and community services and membership organizations
<b>32101</b> surgical technician - nursing	<b>00014</b> sustainability vice-president - trade, broadcasting and other services
<b>31300</b> surgical ward supervisor - nursing	<b>94219</b> suture material winder
<b>14201</b> surgical-medical claims clerk - insurance	<b>85120</b> swamper - logging and forestry
<b>13100</b> surplus assets officer	<b>85111</b> swamper - oil and gas
<b>10019</b> surrogate court registrar	<b>85111</b> swamper - oil field services
<b>10019</b> surveillance department manager - casino	<b>75211</b> swamper - truck transport
<b>10030</b> surveillance manager - telecommunications	<b>94133</b> swatch checker - textiles
<b>64410</b> surveillance operator - casino	<b>65310</b> sweeper
<b>62029</b> surveillance supervisor - casino	<b>53201</b> swim coach
<b>14110</b> survey compiler	<b>53200</b> swimmer
<b>22212</b> survey draftsperson	<b>53201</b> swimming coach
<b>21300</b> survey engineer	<b>54100</b> swimming instructor - recreation
<b>14110</b> survey interviewer	<b>54100</b> swimming instructor - sports
<b>12012</b> survey interviewers supervisor	<b>65311</b> swimming pool cleaner
<b>72600</b> survey pilot	<b>72014</b> swimming pool contractor
<b>40010</b> survey research director - government services	<b>53123</b> swimming pool designer
<b>40010</b> survey research manager - government services	<b>73200</b> swimming pool filter and heater installer
<b>10029</b> survey research service manager	<b>72014</b> swimming pool installation contractor
<b>21210</b> survey statistician	<b>73200</b> swimming pool installer
<b>14110</b> survey taker	<b>60040</b> swimming pool maintenance service manager
<b>14110</b> survey team notekeeper	<b>73200</b> swimming pool repairer
<b>73209</b> surveying and optical instrument repairer	<b>73200</b> swimming pool servicer
<b>73209</b> surveying and optical instrument technician	<b>73200</b> swimming pool worker
<b>75119</b> surveying and optical instruments repairer helper	
<b>21300</b> surveying engineer	

<b>84120</b> swine herdsman	<b>95106</b> syrup-processing plant labourer
<b>84120</b> swine technician	<b>92100</b> system control centre operator - electrical power systems
<b>62020</b> swing manager - fast food restaurant	<b>21222</b> system integration analyst
<b>94124</b> swing-type lathe operator - woodworking	<b>21222</b> system integration consultant
<b>73310</b> switch engineer - railway	<b>21222</b> systems analyst
<b>72205</b> switch network installer and repairer - telecommunications	<b>21231</b> systems applications engineer
<b>72205</b> switch network installer and repairwoman - telecommunications	<b>21231</b> systems architect
<b>74200</b> switch tender - railway yard	<b>21222</b> systems auditor
<b>14101</b> switchboard operator	<b>21110</b> systems biologist
<b>12010</b> switchboard operators supervisor	<b>21221</b> systems business re-engineering analyst
<b>72205</b> switched communication electrician	<b>21222</b> systems consultant
<b>72205</b> switched network repairer	<b>21311</b> systems designer - hardware
<b>72205</b> switched networks installer	<b>20012</b> systems development manager
<b>74200</b> switcher - railway yard	<b>21321</b> systems engineer - manufacturing
<b>94203</b> switchgear and control panel assembler - industrial electrical equipment	<b>21231</b> systems engineer - software
<b>94203</b> switchgear assembler and wirer	<b>20012</b> systems implementation manager - computer systems
<b>92021</b> switchgear assembly foreman/woman	<b>21230</b> systems programmer
<b>94203</b> switchgear fitter-wirer - industrial electrical equipment	<b>21222</b> systems quality assurance (QA) analyst
<b>94203</b> switchgear fitter-wirer	<b>21220</b> systems security analyst
<b>94203</b> switchgear panel assembler - industrial electrical equipment	<b>21220</b> systems security engineer
<b>94203</b> switchgear panel installer-fitter	<b>21220</b> systems security planner
<b>94203</b> switchgear rack assembler - industrial electrical equipment	<b>62100</b> systems software support sales representative
<b>72422</b> switchgear repair electrical mechanic	<b>21222</b> systems specialist - computer systems
<b>74200</b> switching station switcher - railway yard	<b>22221</b> systems support representative
<b>10030</b> switching systems director - telecommunications	<b>22221</b> systems technical support analyst
<b>74200</b> switchman/woman - railway	<b>92021</b> systems test foreman/woman - electronic equipment manufacturing
<b>72205</b> switchman/woman - telecommunications	<b>22222</b> systems tester
<b>75119</b> switchman/woman helper - telecommunications	<b>92021</b> systems testing supervisor - electronic equipment manufacturing
<b>83121</b> swordfish fisherman/woman	<b>22222</b> systems testing technician
<b>21103</b> synoptic meteorologist	
<b>93101</b> synthesis chief operator	<b>T</b>
<b>22311</b> synthesizer repairer	<b>94210</b> table assembler
<b>94111</b> synthetic marble production worker	<b>55109</b> table dancer
<b>22100</b> synthetic textiles technician	<b>53200</b> table tennis player
<b>94140</b> syrup kettle operator	<b>94124</b> table top edger - woodworking
<b>94140</b> syrup maker	<b>94124</b> table top laminator - woodworking
	<b>94219</b> tablet maker

<b>94219</b> tablet-coating machine operator	<b>75110</b> tank builder helper
<b>94219</b> tablet-making machine tender	<b>95101</b> tank calibrator - metal products manufacturing
<b>94150</b> tabulating cards printer	<b>65311</b> tank car cleaner
<b>12011</b> tabulating supervisor	<b>74200</b> tank car controller - railway yard
<b>12011</b> tabulation supervisor	<b>65311</b> tank cleaner
<b>12011</b> tabulators supervisor	<b>93101</b> tank farm operator
<b>94107</b> tack maker	<b>94112</b> tank liner - rubber products manufacturing
<b>72106</b> tack welder	<b>94100</b> tank tender - primary metal processing
<b>94219</b> tacker - footwear manufacturing	<b>94100</b> tank tender
<b>94132</b> tacking machine operator - sewing	<b>73300</b> tank truck driver
<b>51114</b> tactile interpreter	<b>75101</b> tank truck loader
<b>94122</b> tag machine tender - paper converting	<b>75100</b> tanker loader - marine cargo handling
<b>65320</b> tagger - laundry and dry cleaning	<b>75100</b> tanker loader
<b>94150</b> tag-printing machine tender	<b>74201</b> tanker pumper - ship
<b>54100</b> tai-chi instructor	<b>75100</b> tankerman/woman - marine cargo handling
<b>73311</b> tail-end brakeman/woman	<b>94100</b> tankhouse equipment operator - primary metal processing
<b>95100</b> tailings disposal labourer - primary metal processing	<b>92010</b> tankhouse foreman/woman - primary metal and mineral products processing
<b>95100</b> tailings labourer	<b>95100</b> tankhouse helper - primary metal processing
<b>94100</b> tailings thickener tender - primary metal processing	<b>94140</b> tankhouse operator - food and beverage processing
<b>64200</b> tailor supervisor	<b>94130</b> tanner - hide and pelt processing
<b>64200</b> tailor	<b>92015</b> tannery foreman/woman - hide and pelt processing
<b>65201</b> take-out attendant - fast food	<b>92015</b> tannery foreman/woman
<b>75201</b> takeout pizza driver	<b>72400</b> tannery machinery repairer
<b>11202</b> talent agent	<b>92015</b> tannery supervisor - hide and pelt processing
<b>11202</b> talent representative	<b>94130</b> tannery vatman/woman
<b>52114</b> talk show host/hostess	<b>65329</b> tanning salon attendant
<b>94121</b> tall oil operator	<b>60040</b> tanning salon manager
<b>94140</b> tallow extractor tender - food processing	<b>94130</b> tanning solution preparer
<b>94140</b> tallow refiner	<b>65329</b> tanning studio attendant
<b>14402</b> tally clerk - production	<b>92015</b> tanyard foreman/woman - hide and pelt processing
<b>14402</b> tallyman/woman - production	<b>53120</b> tap dance teacher
<b>14402</b> tallyperson - production	<b>53120</b> tap dancer
<b>75110</b> tamper operator - construction	<b>94201</b> tape cartridge and cassette assembler
<b>74200</b> tamper operator - railway	<b>94201</b> tape cartridge and cassette inspector
<b>75110</b> tamper operator	<b>94150</b> tape rule printer
<b>74200</b> tamper-aligner operator - railway	<b>94130</b> tape-folding machine tender
<b>74200</b> tamping machine operator - railway	<b>94205</b> taper operator - electrical equipment manufacturing
<b>94100</b> tandem roller - primary metal processing	
<b>95106</b> tank attendant - food and beverage processing	

<b>94205</b> taper tender - electrical equipment manufacturing	<b>11100</b> tax examiner
<b>94205</b> taping machine tender - electrical equipment manufacturing	<b>11100</b> tax expert
<b>64301</b> tapman/woman	<b>12104</b> tax interpretation officer
<b>95100</b> tapper - glass manufacturing	<b>12104</b> tax investigator
<b>95100</b> tapper - primary metal processing	<b>42200</b> tax law clerk
<b>92010</b> tapper operations foreman/woman - mineral and metal processing	<b>41101</b> tax lawyer
<b>94107</b> tapping machine tender	<b>13111</b> tax legal assistant
<b>73110</b> tar and gravel roofer	<b>40011</b> tax office chief
<b>94130</b> tar machine tender - textile manufacturing	<b>12104</b> tax officer
<b>73110</b> tar roofer	<b>42200</b> tax paralegal
<b>95106</b> tare assessor - food and beverage processing	<b>40011</b> tax policy chief
<b>14200</b> tariff clerk	<b>40011</b> tax policy research manager - government services
<b>41101</b> tariff counsel	<b>12104</b> tax recovery officer
<b>72021</b> tarmac paving foreman/woman	<b>14200</b> tax return preparer
<b>65229</b> tarot card reader	<b>11100</b> tax specialist
<b>94219</b> tarpaulin finisher	<b>12104</b> taxation investigator
<b>94140</b> tart maker - food and beverage processing	<b>40011</b> taxation manager
<b>41407</b> task force officer	<b>12104</b> taxation officer
<b>94131</b> tassel machine tender - textiles	<b>40011</b> taxation programs director
<b>63211</b> tattoo artist	<b>11100</b> taxation rulings officer
<b>63211</b> tattooer	<b>13110</b> taxation service secretary
<b>63211</b> tattooist	<b>72024</b> taxi and chauffeurs supervisor
<b>11100</b> tax accountant	<b>14404</b> taxi dispatcher
<b>11100</b> tax adviser	<b>72024</b> taxi driver and private chauffeur supervisor
<b>11100</b> tax analyst	<b>75200</b> taxi driver
<b>12104</b> tax appeal officer	<b>43202</b> taxi inspector
<b>12104</b> tax assessor	<b>75200</b> taxi owner-operator
<b>41101</b> tax attorney	<b>75200</b> taxicab driver
<b>12104</b> tax auditor - government services	<b>53100</b> taxidermist
<b>11100</b> tax auditor	<b>53100</b> taxidermy technician
<b>12104</b> tax auditors team leader	<b>73209</b> taximeter repairer
<b>14200</b> tax clerk	<b>65211</b> T-bar attendant
<b>12104</b> tax collection officer	<b>65211</b> T-bar operator
<b>12104</b> tax collector	<b>95106</b> tea blender
<b>11100</b> tax consultant	<b>92012</b> tea blending plant foreman/woman
<b>41100</b> Tax Court judge	<b>65229</b> tea leaf reader
<b>41401</b> tax economist	<b>60030</b> tea room manager
<b>12104</b> tax enforcement officer	<b>41210</b> teacher - business college
<b>11100</b> tax evaluator	<b>41210</b> teacher - commercial college
	<b>41210</b> teacher - institute of technology



<b>41221</b> teacher - junior kindergarten	<b>51110</b> technical editor
<b>41210</b> teacher - seminary	<b>22221</b> technical help desk agent
<b>41200</b> teacher - teacher's college	<b>40021</b> technical high school principal
<b>42203</b> teacher for persons with autism	<b>22212</b> technical illustrator - drafting
<b>42203</b> teacher for persons with intellectual disabilities	<b>52100</b> technical indexer - library
<b>42203</b> teacher of braille	<b>12112</b> technical indexer - records and file management
<b>42203</b> teacher of persons who are blind	<b>62100</b> technical office equipment sales representative
<b>42203</b> teacher of persons who are deaf	<b>53100</b> technical officer - museum
<b>42203</b> teacher of persons who are hard of hearing	<b>51120</b> technical producer - motion pictures, broadcasting and performing arts
<b>42203</b> teacher of persons who are hearing impaired	<b>51120</b> technical producer
<b>42203</b> teacher of persons with a mobility impairment	<b>20012</b> technical program manager - information technology (IT)
<b>42203</b> teacher of persons with a visual impairment	<b>21222</b> technical project manager
<b>42203</b> teacher of persons with developmental disabilities	<b>14100</b> technical records clerk
<b>41221</b> teacher-librarian - elementary school	<b>12113</b> technical research assistant (except post-secondary)
<b>43100</b> teacher's aide	<b>62100</b> technical sales consultant
<b>43100</b> teacher's assistant	<b>62100</b> technical sales executive
<b>40030</b> teachers' association director general	<b>62100</b> technical sales representative - wholesale
<b>43100</b> teacher's helper	<b>62100</b> technical sales representative
<b>41405</b> teaching consultant	<b>62100</b> technical sales specialist - chemicals
<b>44101</b> teaching homemaker	<b>62100</b> technical sales specialist - exports
<b>43100</b> teaching staff assistant - primary and secondary school	<b>62100</b> technical sales specialist - imports
<b>11201</b> team training specialist	<b>62100</b> technical sales specialist - metals
<b>41220</b> technical and vocational teacher - secondary school	<b>62100</b> technical sales specialist
<b>52120</b> technical animator	<b>62100</b> technical sales supervisor
<b>21223</b> technical architect - database	<b>62100</b> technical salesperson - telecommunications
<b>21311</b> technical architect - hardware	<b>62100</b> technical salesperson - wholesale
<b>52120</b> technical artist	<b>62100</b> technical salesperson supervisor
<b>53111</b> technical assistant - audiovisual	<b>40020</b> technical school director
<b>33101</b> technical assistant - medical laboratory	<b>40020</b> technical school manager
<b>13100</b> technical assistant - office support	<b>13110</b> technical secretary
<b>65211</b> technical assistant - sports and leisure	<b>22311</b> technical service representative - household and business equipment
<b>14110</b> technical assistant - statistics	<b>62100</b> technical service sales consultant
<b>21221</b> technical business analyst	<b>14300</b> technical services clerk - library
<b>62100</b> technical business equipment salesperson - wholesale	<b>10030</b> technical services coordinator - telecommunications
<b>20012</b> technical delivery manager - information technology (IT)	<b>21310</b> technical services electrical engineer
<b>51120</b> technical director - broadcasting	<b>50010</b> technical services head librarian
<b>51120</b> technical director - motion pictures, broadcasting and performing arts	<b>51100</b> technical services librarian

<b>10030</b> technical services manager	<b>72011</b> telecommunication line installation, repair and testing supervisor
<b>12113</b> technical services officer - statistics	<b>72011</b> telecommunication line installers foreman/woman
<b>41210</b> technical subjects instructor - vocational institute	<b>72011</b> telecommunication line installers, repairers and testers foreman/woman
<b>22221</b> technical support agent	<b>72011</b> telecommunication line maintenance foreman/woman
<b>22220</b> technical support analyst - network	<b>72011</b> telecommunication line maintenance supervisor
<b>22221</b> technical support analyst	<b>72011</b> telecommunication line repair foreman/woman
<b>21222</b> technical support engineer	<b>72011</b> telecommunication line repairers foreman/woman
<b>22221</b> technical support representative - information technology (IT)	<b>72011</b> telecommunication line service supervisor
<b>22221</b> technical support specialist - information technology (IT)	<b>72204</b> telecommunication line technician
<b>62100</b> technical support specialist - wholesale trade	<b>72205</b> telecommunication line tester
<b>22221</b> technical support supervisor	<b>72011</b> telecommunication service foreman/woman
<b>51114</b> technical translator	<b>72011</b> telecommunication system installers and repairers foreman/woman
<b>51112</b> technical writer - aeronautics	<b>72204</b> telecommunications cable splicer
<b>51112</b> technical writer - chemical processing	<b>72011</b> telecommunications contractor
<b>51112</b> technical writer - electronics equipment	<b>10030</b> telecommunications department manager
<b>51112</b> technical writer - pharmaceutical industry	<b>51110</b> telecommunications editor
<b>51112</b> technical writer	<b>21311</b> telecommunications engineer
<b>22100</b> technician - pharmaceutical production	<b>20010</b> telecommunications engineering service manager
<b>41210</b> technological institute instructor	<b>94201</b> telecommunications equipment assembler
<b>41210</b> technological institute teacher	<b>72205</b> telecommunications equipment electrician
<b>41210</b> technological subjects instructor - vocational institute	<b>72205</b> telecommunications equipment inspector
<b>22100</b> technologist, quality control of chemical products	<b>72205</b> telecommunications equipment installer
<b>41210</b> technology teacher - college level	<b>72205</b> telecommunications equipment technician
<b>41400</b> technology transfer officer	<b>10030</b> telecommunications facilities manager
<b>41406</b> teen club programs coordinator	<b>00012</b> telecommunications general manager
<b>52119</b> telecasting technician	<b>21311</b> telecommunications hardware engineer
<b>53111</b> telecine operator	<b>21311</b> telecommunications hardware specialist
<b>72011</b> telecommunication cable installation foreman/woman	<b>10030</b> telecommunications installation manager
<b>72204</b> telecommunication cable installer	<b>72204</b> telecommunications line installer
<b>72204</b> telecommunication cable repairer	<b>72204</b> telecommunications lineman/woman
<b>72205</b> telecommunication equipment tester and regulator	<b>10030</b> telecommunications manager
<b>72011</b> telecommunication installation and repair worker foreman/woman	<b>14404</b> telecommunications operator
<b>72204</b> telecommunication line construction technician	<b>62100</b> telecommunications sales representative
<b>72011</b> telecommunication line installation, repair and testing foreman/woman	<b>62100</b> telecommunications salesperson
	<b>72205</b> telecommunications service tester
	<b>10030</b> telecommunications services manager

<b>21231</b> telecommunications software engineer	<b>72205</b> telephone facilities evaluator
<b>21231</b> telecommunications software specialist	<b>72011</b> telephone installation foreman/woman
<b>21311</b> telecommunications specialist - computer systems	<b>72011</b> telephone installation supervisor
<b>72011</b> telecommunications supervisor	<b>72205</b> telephone installer
<b>21311</b> telecommunications systems specialist	<b>72204</b> telephone line and cableman/woman
<b>72205</b> telecommunications technician	<b>72205</b> telephone line and station installer
<b>72204</b> telecontrol technologist	<b>72204</b> telephone line technician
<b>31301</b> telehealth registered nurse	<b>14101</b> telephone operator
<b>62010</b> telemarketer supervisor	<b>12010</b> telephone operators supervisor
<b>65109</b> telemarketer	<b>72205</b> telephone relay tester
<b>62010</b> telemarketing services supervisor	<b>72205</b> telephone repairer
<b>62010</b> telemarketing supervisor	<b>65109</b> telephone sales agent
<b>31102</b> telemedicine family physician	<b>62010</b> telephone sales clerk supervisor
<b>31301</b> tele-nurse	<b>65109</b> telephone sales clerk
<b>65229</b> telepath	<b>65109</b> telephone salesperson
<b>12201</b> telephone adjuster - insurance	<b>14101</b> telephone service analyst
<b>65229</b> telephone agent - personal services	<b>14101</b> telephone service assistant
<b>72205</b> telephone and teleprinter installer-repairer	<b>12010</b> telephone service supervisor
<b>14101</b> telephone answering service operator	<b>72205</b> telephone servicer
<b>94201</b> telephone assembler	<b>72205</b> telephone shop repairer
<b>75119</b> telephone cable splicer helper	<b>65109</b> telephone solicitor
<b>72204</b> telephone cable splicer	<b>72205</b> telephone station installer
<b>72205</b> telephone central office distribution frame maintainer	<b>72205</b> telephone station repairer
<b>72205</b> telephone central office repairer - telecommunications	<b>14110</b> telephone survey clerk
<b>14101</b> telephone clerk	<b>72205</b> telephone switchboard installer and repairer
<b>72205</b> telephone communication electrician	<b>72205</b> telephone switchman/woman
<b>72205</b> telephone communication technician	<b>12010</b> telephone system night supervisor
<b>10030</b> telephone company district manager	<b>72205</b> telephone system relay adjuster
<b>64409</b> telephone enquiries clerk	<b>12010</b> telephone system supervisor
<b>72205</b> telephone equipment installer and repairer	<b>72205</b> telephone technician - telecommunications
<b>72011</b> telephone equipment installers foreman/woman	<b>72205</b> telephone tester
<b>64101</b> telephone equipment sales representative - wholesale (non-technical)	<b>72205</b> telephone toll central office tester
<b>64100</b> telephone equipment salesperson - retail	<b>72205</b> telephone traffic inspector
<b>72205</b> telephone equipment tester	<b>51111</b> teleplay writer - screenwriter
<b>72205</b> telephone exchange distribution frame maintainer	<b>72205</b> teleprinter installer - telecommunications
<b>72205</b> telephone exchange repairer - telecommunications	<b>72205</b> teleprinter repairer
<b>72205</b> telephone exchange tester	<b>21232</b> teleprocessing software programmer
	<b>53111</b> teleprompt operator
	<b>14101</b> telereceptionist
	<b>72205</b> teletype installer - telecommunications
	<b>72205</b> teletype repairer - telecommunications

<b>72205</b> teletypewriter (TTY) installer - telecommunications	<b>52112</b> television switcher
<b>72205</b> teletypewriter (TTY) repairer	<b>21310</b> television systems engineer
<b>64101</b> television advertising time sales representative	<b>12102</b> television time buyer
<b>64101</b> television advertising time salesperson	<b>94201</b> television tube assembler
<b>60020</b> television and stereo equipment store manager	<b>51111</b> television writer
<b>73200</b> television antenna installer	<b>64400</b> teller - financial services
<b>94201</b> television assembler	<b>64400</b> teller trainee
<b>94201</b> television assembly chief inspector	<b>62023</b> tellers supervisor
<b>52112</b> television broadcasting equipment operator supervisor	<b>94100</b> temper mill roller - primary metal processing
<b>64100</b> television cable service salesperson	<b>95102</b> temperature regulator
<b>72205</b> television cable servicer	<b>94202</b> temperature-actuated controls tester
<b>52110</b> television camera operator	<b>94213</b> temperer - plating and metal spraying
<b>22311</b> television camera repairer	<b>94140</b> tempering bin operator - food and beverage processing
<b>51120</b> television director	<b>92010</b> tempering foreman/woman - primary metal processing
<b>51120</b> television director-producer	<b>94129</b> tempering plant tender
<b>41302</b> television evangelist	<b>94151</b> template engraver
<b>52114</b> television host/hostess	<b>72999</b> template maker - aeronautics
<b>22311</b> television installation and repair technician	<b>72999</b> template maker - shipbuilding
<b>51121</b> television musical director	<b>72101</b> template maker - tool and die
<b>51113</b> television news anchorperson	<b>72999</b> template maker
<b>52110</b> television news camera operator	<b>94143</b> tenderometer tender - food and beverage processing
<b>52114</b> television newscaster	<b>94219</b> tennis ball maker operator
<b>94201</b> television picture tube gun assembler	<b>94219</b> tennis ball maker tender
<b>94201</b> television picture tube laminator	<b>53201</b> tennis coach
<b>94201</b> television picture tube rim bander	<b>65211</b> tennis court attendant
<b>94201</b> television picture tube tester - electronic equipment manufacturing	<b>70012</b> tennis court manager
<b>51120</b> television producer	<b>54100</b> tennis instructor - recreation
<b>72205</b> television receive only (TVRO) technician	<b>54100</b> tennis instructor - sports
<b>94201</b> television receiver inspector and tester - electronic equipment manufacturing	<b>53200</b> tennis player
<b>22311</b> television repair supervisor	<b>94124</b> tenoner operator - woodworking
<b>22311</b> television repairer	<b>51122</b> tenor
<b>51113</b> television researcher	<b>22231</b> tensile strength inspector
<b>64100</b> television salesperson - retail	<b>94130</b> tension drying machine tender - textile manufacturing
<b>22311</b> television servicer	<b>94201</b> tension meter assembler - electronic equipment manufacturing
<b>94201</b> Television set inspector and tester - electronic equipment manufacturing	<b>94219</b> tent finisher
<b>50011</b> television station manager	<b>94107</b> tent frame machine operator
<b>22311</b> television studio equipment repairer	<b>94219</b> tent maker

<b>94130</b> tenter machine tender	<b>20010</b> test engineering manager - engineering
<b>94130</b> tenterframe tender	<b>20012</b> test engineering manager - software
<b>53124</b> tepee maker	<b>22310</b> test equipment repairer - oil exploration
<b>72601</b> terminal air traffic controller	<b>72600</b> test pilot
<b>72205</b> terminal and repeater tester - telecommunications	<b>92021</b> test supervisor - electronic equipment manufacturing
<b>14112</b> terminal operator	<b>92021</b> test supervisor - electronics manufacturing
<b>72024</b> terminal supervisor - motor transport	<b>22310</b> test technician
<b>51114</b> terminologist	<b>94104</b> tester and inspector - primary metal and mineral products processing
<b>51114</b> terminology advisor	<b>92012</b> testing and grading foreman/woman - food, beverage and tobacco processing
<b>72320</b> terra cotta mason	<b>13100</b> testing coordinator
<b>75110</b> terrazzo finisher helper	<b>92021</b> testing foreman/woman - electronic equipment manufacturing
<b>73101</b> terrazzo finisher	<b>94201</b> testing machine operator - electronic equipment manufacturing
<b>72014</b> terrazzo finishing contractor	<b>13100</b> testing supervisor
<b>73101</b> terrazzo floor layer	<b>92012</b> testing, grading and sampling foreman/woman - food and beverage processing
<b>75110</b> terrazzo layer helper	<b>14301</b> tests clerk
<b>73101</b> terrazzo layer	<b>64101</b> textbook sales representative
<b>75110</b> terrazzo machine grinder	<b>41403</b> textile and clothing consultant - home economics
<b>73101</b> terrazzo mason	<b>21101</b> textile chemist
<b>75110</b> terrazzo mechanic helper	<b>22100</b> textile colour technologist
<b>73101</b> terrazzo mechanic	<b>94130</b> textile colourist
<b>75110</b> terrazzo polisher helper	<b>51101</b> textile conservator
<b>73101</b> terrazzo polisher	<b>53123</b> textile designer
<b>72014</b> terrazzo polisher-contractor	<b>22100</b> textile dye technician
<b>72014</b> terrazzo polishing contractor	<b>22100</b> textile dyeing technician
<b>73101</b> terrazzo setter	<b>94130</b> textile dyer
<b>72014</b> terrazzo setters foreman/woman	<b>21399</b> textile engineer
<b>73101</b> terrazzo worker	<b>72400</b> textile fixer
<b>73101</b> terrazzo, tile and marble setter	<b>94130</b> textile fleecer - textile manufacturing
<b>00011</b> territorial commissioner	<b>94133</b> textile grader
<b>41407</b> territorial council officer	<b>53125</b> textile identification mark remover
<b>41401</b> territorial resources economist	<b>94133</b> textile inspector
<b>60010</b> territory manager - sales	<b>95105</b> textile machine cleaner
<b>13100</b> test administrator	<b>95105</b> textile machine feeder
<b>94201</b> test and trim operator - electronic equipment manufacturing	<b>72400</b> textile machine mechanic
<b>21231</b> test automation engineer - software	<b>72020</b> textile machine mechanics foreman/woman
<b>94143</b> test baker - food and beverage processing	<b>72020</b> textile machine mechanics supervisor
<b>22222</b> test coordination analyst	
<b>72205</b> test desk operator - telecommunications	
<b>94200</b> test driver - automobile assembly	

<b>95105</b> textile machine offbearer	<b>32201</b> Thai massage therapist
<b>72400</b> textile machine overhauler	<b>94100</b> thallium recoverer
<b>72020</b> textile machinery assembly foreman/woman	<b>65329</b> theatre attendant
<b>72405</b> textile machinery fitter	<b>62029</b> theatre attendants supervisor
<b>72400</b> textile machinery fixer	<b>65100</b> theatre cashier
<b>72400</b> textile machinery mechanic	<b>50011</b> theatre company director
<b>72400</b> textile machinery repairer	<b>50011</b> theatre company manager
<b>62100</b> textile machinery salesperson	<b>51113</b> theatre critic
<b>53125</b> textile mark remover	<b>53123</b> theatre designer
<b>53125</b> textile marker-down	<b>50011</b> theatre director
<b>90010</b> textile mill manager	<b>53111</b> theatre high rigger
<b>94130</b> textile napper - textile manufacturing	<b>41409</b> theatre historian
<b>94130</b> textile printer	<b>52119</b> theatre technician
<b>92015</b> textile processing foreman/woman	<b>65329</b> theatre usher
<b>92015</b> textile processing supervisor	<b>11202</b> theatrical agent
<b>94130</b> textile product bleacher	<b>11202</b> theatrical business agent
<b>95105</b> textile product labourer	<b>64410</b> theft prevention officer
<b>94133</b> textile product sampler	<b>41200</b> theology department chairman/woman - university
<b>94133</b> textile products inspector	<b>41200</b> theology department chairperson - university
<b>94132</b> textile products mender	<b>41200</b> theology department head - university
<b>53125</b> textile products patternmaker	<b>21101</b> theoretical chemist
<b>94132</b> textile products sewer	<b>21100</b> theoretical nuclear physicist
<b>94133</b> textile sampler	<b>63200</b> therapeutic diet cook
<b>94133</b> textile shader	<b>31121</b> therapeutic dietitian
<b>94130</b> textile spinner	<b>31121</b> therapeutic nutritionist
<b>90010</b> textile spinning-mill manager	<b>32121</b> therapeutic radiological technician
<b>90010</b> textile spinning-plant manager	<b>31204</b> therapeutic recreationist
<b>22302</b> textile technician	<b>30010</b> therapeutic services administrator
<b>22302</b> textile technologist	<b>30010</b> therapeutic services director - psychiatric hospital
<b>94133</b> textile tester	<b>30010</b> therapeutic services director
<b>94110</b> textile treatment solution mixer	<b>32109</b> therapist assistant
<b>94130</b> textile washer	<b>33109</b> therapy aide
<b>94131</b> textile weaver	<b>32109</b> therapy assistant
<b>94130</b> textile wringer	<b>93101</b> thermal acid equipment operator
<b>94219</b> textile-bags-turner operator	<b>21301</b> thermal design engineer
<b>94130</b> textile-dyeing and finishing machine operator	<b>21100</b> thermal physicist
<b>72400</b> textile-printing machine roller repairer - garment manufacturing	<b>92100</b> thermal plant operator
<b>94130</b> textile-twisting-frame operator	<b>21301</b> thermal power engineer
<b>52120</b> texture artist	<b>22301</b> thermal station technician
<b>94130</b> texturing machine tender - textile manufacturing	

<b>72106</b> thermite welder	<b>94130</b> thread spooler
<b>92013</b> thermoforming foreman/woman - plastic manufacturing	<b>95109</b> thread trimmer - garment manufacturing
<b>94111</b> thermoforming operator	<b>94130</b> thread winder
<b>92013</b> thermoforming supervisor - plastic products manufacturing	<b>94106</b> threader - metal machining
<b>22230</b> thermographer-tester	<b>94105</b> threader - metal products manufacturing
<b>73401</b> thermographic printer	<b>94131</b> threader - textiles
<b>63211</b> thermology and electrolysis technician	<b>94106</b> thread-grinder operator
<b>94121</b> thermomechanical pulp assistant operator	<b>94106</b> threading machine operator
<b>94121</b> thermomechanical pulp operator	<b>94106</b> thread-milling machine set-up operator
<b>94219</b> thermometric systems capillary tube charger	<b>92012</b> threshing department foreman/woman - tobacco processing
<b>94219</b> Thermos bottle assembler	<b>84120</b> threshing machine operator
<b>94213</b> thermospray operator	<b>55109</b> thrill performer
<b>94219</b> thermostat and pressure switch calibrator	<b>31101</b> throat specialist
<b>94202</b> thermostat assembler - electrical equipment manufacturing	<b>94201</b> through-hole assembler - electronic equipment manufacturing
<b>92024</b> thermostat assembly foreman/woman	<b>94201</b> through-hole assembler
<b>94202</b> thermostat calibrator - electrical equipment manufacturing	<b>64313</b> ticket agent - bus line
<b>94202</b> thermostat calibrator	<b>64313</b> ticket agent - cruise line
<b>95109</b> thermostat capillary sealer	<b>64313</b> ticket agent - transit station
<b>94202</b> thermostat inspector	<b>64313</b> ticket agent (except airline)
<b>73209</b> thermostat repairer	<b>64313</b> ticket and customer service clerk (except airline)
<b>94100</b> thickener equipment tender - primary metal processing	<b>64312</b> ticket and information agent - airline
<b>84111</b> thinning saw operator - forestry	<b>64313</b> ticket and information clerk (except airline)
<b>84111</b> thinning saw operator	<b>95106</b> ticket checker - tobacco processing
<b>63200</b> third cook	<b>64313</b> ticket clerk - railway
<b>72603</b> third engineer - water transport	<b>64313</b> ticket clerk (except airline)
<b>94121</b> third hand - pulp and paper	<b>62029</b> ticket clerks supervisor
<b>41407</b> third secretary - foreign service	<b>14100</b> ticket preparer - manufacturing
<b>92100</b> third-class power engineer	<b>62029</b> ticket sales supervisor
<b>92100</b> third-class stationary engineer	<b>65100</b> ticket seller - cashier
<b>31101</b> thoracic surgeon	<b>65329</b> ticket taker and usher
<b>95103</b> thrasher feeder	<b>62029</b> ticket taker supervisor
<b>94106</b> thread cutter - metal machining	<b>65329</b> ticket taker
<b>94130</b> thread doubler	<b>94123</b> tie and timber inspector
<b>94106</b> thread grinder set-up operator	<b>74200</b> tie axe unit operator - railway
<b>94133</b> thread inspector - textiles	<b>74200</b> tie crane operator - railway
<b>95109</b> thread laster - shoe manufacturing	<b>95109</b> tie maker
<b>94130</b> thread spinner	<b>74200</b> tie plate jack operator - railway
	<b>74200</b> tie saw operator - railway
	<b>74200</b> tie shear operator - railway

<b>74200</b> tie tamper operator - railway	<b>22112</b> timber scaler
<b>74200</b> tie-bed-scarifier operator - railway	<b>22112</b> timber technician
<b>74200</b> tie-cutter operator - railway	<b>94129</b> timber treating tank operator
<b>74200</b> tie-cutting machine operator - railway	<b>85110</b> timbering and steel prop setting helper
<b>53124</b> tie-dye artisan	<b>84100</b> timberman/woman - mines
<b>74200</b> tie-end-remover operator - railway	<b>84100</b> timberman/woman - underground mining
<b>74200</b> tie-injector operator - railway	<b>85110</b> timberman/woman helper - underground mining
<b>74200</b> tie-placer operator - railway	<b>95103</b> timber-treating tank helper
<b>74200</b> tie-plate-placer operator - railway	<b>72999</b> time lock expert
<b>75101</b> tier lift truck operator	<b>11201</b> time study analyst - services to management firms
<b>72014</b> tile and marble contractor	<b>22302</b> time study analyst
<b>94103</b> tile burner - clay products	<b>22302</b> time study technologist
<b>95109</b> tile cutter	<b>13102</b> timekeeper - payroll
<b>53123</b> tile designer	<b>21321</b> time-study engineer
<b>73101</b> tile fitter	<b>94213</b> tin can dipping enameller
<b>73101</b> tile floor layer	<b>94107</b> tin can inspector
<b>73101</b> tile installer	<b>94104</b> tin plate inspector and grader
<b>94103</b> tile kilnman/woman - clay products	<b>94213</b> tin plater
<b>75110</b> tile layer helper	<b>94213</b> tinned sheet coating machine operator
<b>73101</b> tile layer	<b>94219</b> tinsel maker operator
<b>94103</b> tile maker - clay products	<b>72102</b> tinsmith - sheet metal work
<b>73101</b> tile mason	<b>75110</b> tinsmith helper - construction
<b>73101</b> tile mechanic	<b>72102</b> tinsmith roofer
<b>73110</b> tile roofer	<b>72102</b> tinsmith
<b>75110</b> tile setter helper	<b>94102</b> tinted glassware maker
<b>72014</b> tile, terrazzo and marble setting contractor	<b>94110</b> tinter - chemical processing
<b>73101</b> tilesetter	<b>94107</b> tinware beader
<b>72014</b> tilesetters foreman/woman	<b>94213</b> tinware dipper and enameller
<b>73101</b> tilesetters lead hand	<b>94213</b> tinware dipping enameller
<b>72014</b> tilesetters supervisor	<b>75101</b> tipman/woman - surface coal mining
<b>72014</b> tilesetting contractor	<b>92012</b> tipping department foreman/woman - tobacco processing
<b>72014</b> tilesetting supervisor	<b>94140</b> tipping machine tender - tobacco processing
<b>94120</b> tilt-hoist operator - sawmill	<b>95104</b> tire and inner tube pressroom worker - rubber products manufacturing
<b>94100</b> tilting table tender - metal processing	<b>94112</b> tire assembler
<b>85110</b> timber and steel prop salvager	<b>94112</b> tire bagger
<b>85110</b> timber and steel prop setter helper	<b>95104</b> tire balance checker - rubber products manufacturing
<b>62101</b> timber buyer	<b>95104</b> tire band wrapper - rubber products manufacturing
<b>22112</b> timber cruiser	
<b>94120</b> timber cut-off sawyer - sawmill	
<b>22112</b> timber marker	
<b>22112</b> timber rider	



<b>95104</b> tire bead picker - rubber products manufacturing	<b>95104</b> tire tube checker - rubber products manufacturing
<b>94112</b> tire breaker operator	<b>95104</b> tire tube inserter - rubber products manufacturing
<b>94112</b> tire buffer	<b>95104</b> tire tube repairer - rubber products manufacturing
<b>94112</b> tire builder	<b>94112</b> tire valve worker
<b>92013</b> tire building foreman/woman	<b>94112</b> tire vulcanizer
<b>92013</b> tire building supervisor	<b>94112</b> tire-bagging machine tender
<b>74203</b> tire changer - automotive service	<b>94112</b> tire-retreading machine tender
<b>94112</b> tire classifier	<b>94110</b> tital liquor plant operator
<b>95104</b> tire cleaner - rubber products manufacturing	<b>22100</b> titanium pigment test analyst
<b>95104</b> tire cleaner and painter - rubber products manufacturing	<b>42200</b> title and lease clerk
<b>94112</b> tire coverer	<b>52120</b> title artist
<b>94112</b> tire curer	<b>42200</b> title examiner
<b>60020</b> tire dealer	<b>41101</b> title lawyer
<b>94112</b> tire finisher	<b>42200</b> title searcher
<b>92013</b> tire finishing foreman/woman	<b>94202</b> toaster assembler
<b>92013</b> tire finishing supervisor	<b>95106</b> tobacco baler
<b>92013</b> tire inspection foreman/woman	<b>94140</b> tobacco blender
<b>92013</b> tire inspection supervisor	<b>94140</b> tobacco blending line attendant
<b>94112</b> tire inspector	<b>62101</b> tobacco buyer
<b>94112</b> tire maker	<b>94140</b> tobacco casing fluid blender
<b>95104</b> tire measurer - rubber products manufacturing	<b>94140</b> tobacco casing fluid cooker - tobacco processing
<b>72101</b> tire mould repairer	<b>94140</b> tobacco conditioner tender
<b>90010</b> tire plant manager	<b>85101</b> tobacco curer
<b>94112</b> tire rebuilder	<b>92012</b> tobacco curing room foreman/woman
<b>94112</b> tire recapper	<b>85101</b> tobacco cutter - tobacco harvesting
<b>95104</b> tire repair cementer - rubber products manufacturing	<b>94140</b> tobacco cutter - tobacco processing
<b>74203</b> tire repairer	<b>94140</b> tobacco dryer - tobacco processing
<b>94112</b> tire repairer-vulcanizer	<b>82030</b> tobacco farm foreman/woman
<b>92013</b> tire retread foreman/woman	<b>85101</b> tobacco farm worker
<b>94112</b> tire retreader	<b>80020</b> tobacco farmer
<b>94112</b> tire retreading inspector	<b>94140</b> tobacco flavourer
<b>92013</b> tire retreading supervisor	<b>94143</b> tobacco grader
<b>64100</b> tire salesperson - retail	<b>84120</b> tobacco harvesting machine operator
<b>92013</b> tire stock preparation foreman/woman	<b>95106</b> tobacco hogshead liner
<b>92013</b> tire stock preparation supervisor	<b>94140</b> tobacco leaf blender
<b>94112</b> tire touch-up and buff worker	<b>94140</b> tobacco leaf cutter
<b>94112</b> tire tread moulder	<b>94143</b> tobacco leaf grader
<b>92013</b> tire tube building supervisor	<b>94140</b> tobacco leaf grinder

<b>94140</b> tobacco leaf twister	<b>72204</b> toll line repairman/woman - telecommunications
<b>94140</b> tobacco packaging machine tender	<b>72204</b> toll lineman/woman - telecommunications
<b>95106</b> tobacco packer	<b>14101</b> toll operator
<b>85101</b> tobacco picker	<b>72205</b> toll switchman/woman - telecommunications
<b>85101</b> tobacco primer	<b>72205</b> toll telephone exchange tester
<b>92012</b> tobacco processing foreman/woman	<b>12011</b> tollgate supervisor
<b>95106</b> tobacco processing labourer	<b>80020</b> tomato grower
<b>92012</b> tobacco processing supervisor	<b>94140</b> tomato juice extractor
<b>64100</b> tobacco product clerk	<b>85101</b> tomato picker
<b>64101</b> tobacco product sales representative - wholesale	<b>75110</b> tombstone erector
<b>94140</b> tobacco roller	<b>75110</b> tombstone setter
<b>94143</b> tobacco sample puller	<b>94219</b> tool and cutlery assembly inspector
<b>64100</b> tobacco shop clerk	<b>22301</b> tool and die designer
<b>94140</b> tobacco shredder	<b>72100</b> tool and die inspector
<b>85101</b> tobacco stripper - tobacco harvesting	<b>72010</b> tool and die inspectors foreman/woman
<b>94140</b> tobacco stripper - tobacco processing	<b>72010</b> tool and die inspectors supervisor
<b>70012</b> tobacco warehouse manager	<b>72101</b> tool and die maker apprentice
<b>95106</b> tobacco weigher	<b>72101</b> tool and die maker
<b>94140</b> tobacco-blending machine operator	<b>72010</b> tool and die makers foreman/woman
<b>94140</b> tobacco-cutting machine tender	<b>72010</b> tool and die makers supervisor
<b>94140</b> tobacco-dressing machine operator - tobacco processing	<b>72010</b> tool and die making supervisor
<b>95106</b> tobacco-packing machine tender	<b>41210</b> tool and die making teacher - community college
<b>72400</b> tobacco-processing machine mechanic	<b>72101</b> tool and die preparer
<b>92012</b> tobacco-processing machine operator supervisor	<b>72101</b> tool and die repairer
<b>94140</b> tobacco-processing machine operator	<b>72106</b> tool and die welder
<b>92012</b> tobacco-processing workers foreman/woman	<b>64100</b> tool and equipment rental clerk
<b>92012</b> tobacco-stemming room foreman/woman	<b>72100</b> tool and gauge inspector
<b>95109</b> toe and heel sprayer - shoe manufacturing	<b>22212</b> tool checker - drafting
<b>94202</b> toggle switch assembler - electrical equipment manufacturing	<b>14401</b> tool clerk
<b>94110</b> toiletries moulder and compressor - chemical processing	<b>12013</b> tool clerks foreman/woman
<b>53124</b> tole painter	<b>12013</b> tool crib supervisor
<b>65329</b> toll booth attendant	<b>22212</b> tool design draftsman
<b>62029</b> toll bridge attendants supervisor	<b>22301</b> tool designer
<b>65329</b> toll collector	<b>21301</b> tool engineer
<b>72205</b> toll communication electrician	<b>72101</b> tool fitter
<b>72205</b> toll equipment man/woman - telecommunications	<b>94106</b> tool grinder - metal machining
<b>72204</b> toll line inspector - telecommunications	<b>94106</b> tool grinder set-up operator
	<b>12013</b> tool keepers supervisor
	<b>94106</b> tool lapper - metal machining
	<b>72101</b> tool maintainer

<b>72101</b> tool maintenance man/woman	<b>73209</b> torque wrench calibrator
<b>72400</b> tool oiler and maintenance mechanic	<b>22311</b> totalizator systems technician
<b>72400</b> tool oiler and repairer	<b>53124</b> totem pole carver
<b>90010</b> tool production department manager	<b>95109</b> touch-up cleaner - furniture finishing and refinishing
<b>22302</b> tool programming technologist	<b>94210</b> touch-up person - furniture finishing
<b>72101</b> tool repairer	<b>94210</b> touch-up worker - furniture finishing
<b>72101</b> tool repairman/woman	<b>73301</b> tour bus operator
<b>14401</b> tool room attendant	<b>64320</b> tour director
<b>14401</b> tool room storeman/woman	<b>64320</b> tour escort
<b>14401</b> tool store clerk	<b>92014</b> tour foreman/woman - pulp and paper
<b>94106</b> tool-dresser operator	<b>62022</b> tour guide supervisor
<b>94204</b> tooling and metalworking machine try-out tester	<b>64320</b> tour guide
<b>72010</b> tooling foreman/woman	<b>64101</b> tour operator - wholesale
<b>72100</b> tooling inspector	<b>60040</b> tour operator
<b>72010</b> tooling inspectors foreman/woman	<b>64101</b> tour package sales representative - wholesale
<b>72010</b> tooling inspectors supervisor	<b>40020</b> tourism and hotel school manager
<b>72010</b> tooling supervisor	<b>41402</b> tourism consultant - government
<b>72101</b> toolmaker	<b>40011</b> tourism development director - government services
<b>82021</b> toolpusher - oil and gas well drilling and offshore drilling	<b>40011</b> tourism development manager - government services
<b>82021</b> toolpusher	<b>41402</b> tourism development officer - government
<b>72010</b> toolroom foreman/woman	<b>41402</b> tourism development officer
<b>72100</b> toolroom inspector	<b>41402</b> tourism industry consultant
<b>72100</b> toolroom machinist	<b>41402</b> tourism industry specialist
<b>72999</b> toolsmith	<b>64409</b> tourism information officer
<b>94219</b> toothbrush maker operator	<b>64409</b> tourism information technician
<b>94124</b> toothpick lathe operator	<b>40011</b> tourism policy director
<b>94124</b> toothpick-chopping machine tender	<b>40011</b> tourism promotion director - government services
<b>84100</b> top cager - underground mining	<b>40011</b> tourism research manager - government services
<b>94130</b> top dyer - textile manufacturing	<b>41402</b> tourism services coordinator - government
<b>94131</b> top knitter	<b>41210</b> tourism trainer
<b>94205</b> top-capping machine tender - electrical equipment manufacturing	<b>64409</b> tourist booth attendant
<b>72600</b> topographic survey pilot	<b>65211</b> tourist camp attendant
<b>22213</b> topographic survey technician	<b>65310</b> tourist camp cleaner
<b>22213</b> topographic survey technologist	<b>64320</b> tourist guide
<b>62100</b> topographical equipment salesperson	<b>60031</b> tourist home operator
<b>94131</b> topper - textiles	<b>64409</b> tourist information clerk
<b>72106</b> torch brazer	<b>64310</b> tourist information counsellor
<b>72106</b> torch brazing machine setter	
<b>72106</b> torch welder	

<b>64409</b> tourist information office attendant	<b>53201</b> track and field team coach
<b>64409</b> tourist information officer	<b>53200</b> track athlete
<b>75101</b> tow motor driver (except air transport)	<b>72021</b> track boss - railway
<b>70020</b> tow truck company manager	<b>82020</b> track boss - underground mining
<b>14404</b> tow truck dispatcher	<b>74200</b> track broom machine operator - railway
<b>73300</b> tow truck driver	<b>74200</b> track dresser - railway
<b>72601</b> tower controller - air traffic	<b>84100</b> track equipment operator - underground mining
<b>72105</b> tower crane erector	<b>74200</b> track fitter - railway
<b>72500</b> tower crane operator	<b>72021</b> track foreman/woman - railway
<b>72203</b> tower line maintainer - electric power systems	<b>75211</b> track greaser - railway
<b>72203</b> tower lineman/woman - electric power systems	<b>53202</b> track judge
<b>74200</b> tower operator - railway transport	<b>74200</b> track layer - railway
<b>94110</b> tower operator - soap	<b>82020</b> track layer boss - underground mining
<b>75100</b> tower-loader operator - marine cargo handling	<b>74200</b> track maintenance worker - railway
<b>74200</b> towerman/woman - railway transport	<b>74200</b> track repairman/woman - railway
<b>00011</b> town clerk	<b>75211</b> track sweeper - railway
<b>74102</b> town messenger driver	<b>74200</b> track tamper - railway
<b>21202</b> town planner	<b>74200</b> track-liner operator - railway
<b>00011</b> township clerk	<b>73400</b> track-loader operator
<b>21110</b> toxicologist	<b>74200</b> track-maintenance-machine operator - railway
<b>94219</b> toy assembler	<b>74200</b> trackman/woman - railway yard
<b>92024</b> toy assembly foreman/woman	<b>84100</b> trackman/woman - underground mining
<b>53123</b> toy designer - arts and crafts	<b>74200</b> trackmobile operator - railway
<b>22211</b> toy designer - industrial design	<b>84100</b> trackperson - underground mining
<b>94219</b> toy inspector	<b>74200</b> track-surfacing machine operator - railway
<b>94219</b> toy maker	<b>74200</b> trackwalker - railway
<b>92024</b> toy manufacturing foreman/woman	<b>94112</b> traction belt builder - rubber products manufacturing
<b>92024</b> toy manufacturing supervisor	<b>94204</b> tractor assembler
<b>60020</b> toy store manager	<b>72500</b> tractor crane operator
<b>64100</b> toy store salesperson	<b>72401</b> tractor mechanic
<b>94219</b> toy-stuffing machine operator	<b>73400</b> tractor operator - construction
<b>72204</b> tracer - telecommunications	<b>84120</b> tractor operator - farm
<b>94110</b> tracer powder blender	<b>73400</b> tractor-excavator operator
<b>94219</b> tracer-bullet-loading machine operator	<b>92023</b> tractor-trailer assembly foreman/woman
<b>53125</b> tracer-patternmaker	<b>92023</b> tractor-trailer assembly supervisor
<b>94151</b> tracer-transferrer	<b>73300</b> tractor-trailer truck driver
<b>53201</b> track and field athletes coach	<b>41401</b> trade analyst
<b>53201</b> track and field coach	<b>40030</b> trade association manager
<b>50012</b> track and field director	<b>00011</b> trade commissioner
<b>54100</b> track and field instructor	<b>22303</b> trade contractor estimator - construction
<b>53202</b> track and field judge	

<b>40011</b> trade development director - government services	<b>10030</b> traffic manager - telephone system
<b>40011</b> trade development director	<b>70020</b> traffic manager - transport
<b>41401</b> trade economist	<b>70020</b> traffic manager - transportation
<b>60010</b> trade expansion manager	<b>70020</b> traffic manager - water transport
<b>41210</b> trade instructor - community college	<b>21300</b> traffic operations engineer
<b>40011</b> trade liaison director - government services	<b>42100</b> traffic patrol officer
<b>41402</b> trade promotion officer	<b>14200</b> traffic rate clerk
<b>40020</b> trade school director	<b>52114</b> traffic reporter
<b>00013</b> trade school general manager	<b>40010</b> traffic safety administrator - government services
<b>40020</b> trade school manager	<b>52111</b> traffic sign painter
<b>12103</b> trade show organizer	<b>73200</b> traffic signal installer
<b>12103</b> trade show planner	<b>40040</b> traffic superintendent - police
<b>13111</b> trademark administrative assistant	<b>43202</b> traffic supervisor - by-law enforcement
<b>42200</b> trademark agent	<b>72024</b> traffic supervisor - motor transport
<b>41101</b> trademark lawyer	<b>14400</b> traffic technician - Canadian Armed Forces
<b>13111</b> trademark secretary	<b>22300</b> traffic technician - civil engineering
<b>75110</b> trades helper - construction	<b>22300</b> traffic technologist
<b>41220</b> trades instructor - secondary school	<b>94204</b> trailer assembler
<b>72311</b> tradesman/woman cabinetmaker	<b>92023</b> trailer assembly foreman/woman
<b>10020</b> trading floor manager	<b>65211</b> trailer campsite attendant
<b>32200</b> traditional Chinese medicine practitioner and acupuncturist	<b>94204</b> trailer frame assembler
<b>32200</b> traditional Chinese medicine practitioner	<b>72410</b> trailer mechanic
<b>32209</b> traditional naturopath	<b>72410</b> trailer mechanical systems repairer
<b>12013</b> traffic and distribution supervisor	<b>65211</b> trailer park attendant
<b>70020</b> traffic and transportation assistant manager	<b>62029</b> trailer park supervisor
<b>14110</b> traffic checker	<b>73311</b> train conductor
<b>10030</b> traffic chief - telecommunications	<b>72604</b> train dispatcher
<b>14402</b> traffic clerk - broadcasting	<b>72604</b> train dispatchers supervisor
<b>14402</b> traffic clerk	<b>73310</b> train engineer
<b>14402</b> traffic control clerk	<b>72604</b> train operator
<b>12013</b> traffic control supervisor	<b>14405</b> train scheduler
<b>14110</b> traffic counter	<b>65210</b> train service attendant
<b>21300</b> traffic engineer	<b>12201</b> trainee adjuster - insurance
<b>20010</b> traffic engineering service manager - telecommunications	<b>41210</b> trainee instructor
<b>40040</b> traffic inspector - police	<b>11200</b> training adviser
<b>72024</b> traffic inspector - public transit system	<b>11200</b> training and development consultant
<b>73200</b> traffic light installer	<b>10011</b> training and development manager
<b>72203</b> traffic light repairer	<b>10011</b> training chief
<b>10030</b> traffic manager - cable systems	<b>14102</b> training clerk
	<b>41210</b> training consultant - industry

<b>64100</b> training course salesperson	<b>94203</b> transformer core assembler
<b>41210</b> training development officer - Canadian Armed Forces	<b>94203</b> transformer core lapper
<b>42101</b> training firefighter	<b>94203</b> transformer core maker
<b>40020</b> training institute director	<b>94203</b> transformer core stacker
<b>41210</b> training instructor - college level	<b>94203</b> transformer department lead hand
<b>41210</b> training officer - company	<b>94203</b> transformer fitter
<b>11200</b> training programs supervisor	<b>94203</b> transformer fitter-wirer
<b>74200</b> trainman/woman - railway yard	<b>94203</b> transformer gas detector relay assembler
<b>84100</b> trainman/woman - underground mining	<b>94203</b> transformer inspector
<b>72023</b> trainmaster	<b>94203</b> transformer maker
<b>84100</b> trammerman/woman	<b>72020</b> transformer repair shop foreman/woman
<b>12110</b> transcriber	<b>72422</b> transformer repairer
<b>73209</b> transcribing machine servicer	<b>72422</b> transformer repairman/woman
<b>12110</b> transcriptionist	<b>94202</b> transformer static plate assembler
<b>94100</b> transfer bed operator - primary metal processing	<b>95102</b> transformer stockroom attendant
<b>14200</b> transfer clerk	<b>94203</b> transformer subassembler
<b>64101</b> transfer company agent	<b>94203</b> transformer tapgear assembler
<b>70020</b> transfer company manager	<b>94203</b> transformer tester
<b>95103</b> transfer equipment tender - wood processing	<b>94203</b> transformer winder
<b>84100</b> transfer hoist operator	<b>94201</b> transistor assembler
<b>73310</b> transfer hostler - railway	<b>22213</b> transit man/woman - surveying
<b>94131</b> transfer knitter	<b>72024</b> transit mobile inspector
<b>94106</b> transfer machine tender - metal machining	<b>22213</b> transit operator - surveying
<b>94150</b> transfer machine tender - printing	<b>73301</b> transit operator - transportation
<b>95103</b> transfer man/woman - wood processing	<b>14405</b> transit planner
<b>94120</b> transfer operator - sawmill	<b>14405</b> transit scheduler
<b>94150</b> transfer press operator	<b>64313</b> transit station ticket agent
<b>74200</b> transfer table operator - railway yard	<b>00015</b> transit system general manager
<b>42200</b> transfer-of-title clerk	<b>72024</b> transit system inspector
<b>94151</b> transferrer	<b>42201</b> transition home worker - social services
<b>94203</b> transformer accessories assembler	<b>42201</b> transition house worker - social services
<b>94203</b> transformer assembler	<b>11201</b> transition management consultant
<b>94203</b> transformer assembly clamper	<b>14301</b> translation clerk
<b>94203</b> transformer assembly coil clamper	<b>51114</b> translator adaptor
<b>94203</b> transformer builder	<b>51114</b> translator
<b>94202</b> transformer coil impregnator operator - electrical equipment manufacturing	<b>51114</b> translator-reviser
<b>94205</b> transformer coil impregnator	<b>51114</b> transliterator
<b>72422</b> transformer coil repairer	<b>94204</b> transmission assembler
<b>94203</b> transformer coil winder	<b>94204</b> transmission assembly inspector
	<b>94204</b> transmission assembly tester

<b>94200</b> transmission installer - motor vehicle manufacturing	<b>13201</b> transportation logistics coordinator
<b>94200</b> transmission installer	<b>70020</b> transportation logistics manager
<b>72203</b> transmission lineman/woman - electric power systems	<b>12013</b> transportation logistics supervisor
<b>90011</b> transmission lines manager	<b>70020</b> transportation management director
<b>72410</b> transmission mechanic	<b>70020</b> transportation manager
<b>90011</b> transmission operations director - utilities	<b>21202</b> transportation planner
<b>52112</b> transmission operator	<b>13201</b> transportation planning coordinator
<b>52112</b> transmission studio control operator	<b>40011</b> transportation policy director - government services
<b>72410</b> transmission technician	<b>41400</b> transportation program analyst
<b>94200</b> transmission tester - motor vehicle manufacturing	<b>40011</b> transportation programs manager - government services
<b>72205</b> transmission tester - telecommunications	<b>21202</b> transportation route planning analyst
<b>10030</b> transmission traffic manager - telecommunications	<b>14405</b> transportation route scheduler
<b>92023</b> transmission-rebuilding shop foreman/woman	<b>12013</b> transportation route schedulers supervisor
<b>52112</b> transmitter operator	<b>14405</b> transportation routes scheduler
<b>52112</b> transmitting operator	<b>41400</b> transportation safety analyst
<b>94112</b> Transmix operator - rubber products manufacturing	<b>14405</b> transportation schedule clerk
<b>85121</b> transplanter - landscape maintenance	<b>14405</b> transportation schedule maker
<b>00015</b> transport and communications general manager	<b>14405</b> transportation schedules writer
<b>43202</b> transport compliance officer	<b>70020</b> transportation superintendent
<b>70020</b> transport department manager	<b>65311</b> transportation vehicle scrubber
<b>73300</b> transport driver	<b>83121</b> trap boss - fishing
<b>41401</b> transport economist	<b>83121</b> trap fisherman/woman
<b>13201</b> transport logistician	<b>53121</b> trapeze artist
<b>13201</b> transport logistics technician	<b>85104</b> trapper
<b>72402</b> transport refrigeration mechanic	<b>64322</b> trapping guide
<b>72402</b> transport refrigeration technician	<b>00014</b> travel agency chief executive officer (CEO)
<b>73300</b> transport truck driver	<b>60020</b> travel agency manager
<b>72410</b> transport truck mechanic	<b>64310</b> travel agent
<b>72410</b> transport truck trailer mechanic	<b>70020</b> travel and relocation department manager
<b>64313</b> transportation agent (except airline)	<b>64310</b> travel centre counsellor
<b>70020</b> transportation and traffic manager	<b>62022</b> travel clerk supervisor
<b>14405</b> transportation clerk	<b>64310</b> travel consultant
<b>13201</b> transportation coordinator	<b>64310</b> travel counsellor
<b>70020</b> transportation director	<b>64320</b> travel escort
<b>43202</b> transportation enforcement officer	<b>64320</b> travel guide
<b>21300</b> transportation engineer	<b>64310</b> travel information agent
<b>70020</b> transportation fleet manager	<b>64310</b> travel specialist
	<b>73200</b> travel trailer installer-servicer
	<b>95105</b> traveller changer

<b>64100</b> travelling salesperson - retail	<b>73400</b> trenching machine operator
<b>64101</b> travelling salesperson - wholesale	<b>31301</b> triage nurse
<b>83120</b> trawler captain	<b>41100</b> trial court judge
<b>84121</b> trawlerman/woman	<b>21301</b> tribologist
<b>65201</b> tray carrier attendant - hospital	<b>41407</b> tribunal chairperson
<b>94112</b> tread cutter machine operator - rubber products manufacturing	<b>41407</b> tribunal member
<b>94112</b> tread-cutting machine operator - rubber products manufacturing	<b>41407</b> tribunal officer - government services
<b>94124</b> treadle saw operator - woodworking	<b>41407</b> tribunal officer
<b>10010</b> treasurer and controller - finances	<b>63211</b> trichologist
<b>10010</b> treasurer	<b>94200</b> trim and final production operator - motor vehicle manufacturing
<b>11101</b> treasury analyst	<b>94200</b> trim and hardware inspector - motor vehicle manufacturing
<b>00010</b> Treasury Board president	<b>92020</b> trim and hardware supervisor - motor vehicle manufacturing
<b>14200</b> treasury clerk	<b>94112</b> trim lathe operator - rubber products manufacturing
<b>11101</b> treasury manager	<b>94107</b> trim machine adjuster
<b>00012</b> treasury vice-president - banking institution	<b>94120</b> trim saw operator - sawmill
<b>94123</b> treated pole tester - wood processing	<b>94124</b> trim saw operator - woodworking
<b>95102</b> treater helper - chemical processing	<b>94120</b> trim sawyer - sawmill
<b>92014</b> treating plant foreman/woman - wood processing	<b>94142</b> trimmer - fish processing
<b>72400</b> treatment plant maintenance mechanic	<b>94210</b> trimmer - furniture finishing
<b>22114</b> tree and shrub specialist	<b>95105</b> trimmer - leather products manufacturing
<b>85103</b> tree grafter - nursery	<b>94141</b> trimmer - meat packing plant
<b>80021</b> tree grower - nursery	<b>95101</b> trimmer - metal products manufacturing
<b>83110</b> tree harvester operator	<b>95103</b> trimmer loader - wood processing
<b>80021</b> tree nursery operator	<b>94112</b> trimmer operator - rubber products manufacturing
<b>83110</b> tree processor operator - logging	<b>94120</b> trimmer operator - sawmill
<b>84111</b> tree pruner - forestry	<b>94124</b> trimmer operator - woodworking
<b>85121</b> tree pruner - landscaping	<b>94120</b> trimmer tender - sawmill
<b>82031</b> tree removal contractor	<b>94120</b> trimmerman/woman - sawmill
<b>82031</b> tree service contractor	<b>94120</b> trimmerman/woman
<b>82031</b> tree service supervisor	<b>94124</b> trimming and boring machine operator - woodworking
<b>22114</b> tree service technician	<b>94120</b> trimming machine operator - sawmill
<b>84111</b> tree spacer - forestry	<b>94124</b> trimming machine operator - woodworking
<b>85121</b> tree sprayer	<b>94120</b> trimming machine tender - sawmill
<b>85121</b> tree surgeon helper	<b>94133</b> trimming material inspector
<b>85121</b> tree trimmer - landscaping	<b>94105</b> trip hammer operator - metal forging
<b>83110</b> treelength forwarder operator	<b>94140</b> tripe cooker - food and beverage processing
<b>83110</b> tree-length harvester operator	<b>83121</b> troller fisherman/woman
<b>75110</b> trench digger	
<b>73400</b> trench-digging machine operator	



<b>73301</b> trolley bus operator	<b>73300</b> truck operator
<b>73301</b> trolley coach driver	<b>73300</b> truck owner operator
<b>72410</b> trolley engine mechanic	<b>64100</b> truck rental clerk
<b>51122</b> trombonist	<b>64100</b> truck salesperson
<b>94219</b> trophy assembler	<b>14405</b> truck scheduler
<b>53123</b> trophy designer	<b>94112</b> truck tire builder
<b>80020</b> tropical fish breeder	<b>94112</b> truck tire tread cutter
<b>31100</b> tropical medicine physician	<b>94204</b> truck trailer assembler
<b>72011</b> trouble foreman/woman - telecommunications	<b>92023</b> truck trailer assembly foreman/woman
<b>74204</b> troubleshooter - pipeline	<b>92023</b> truck trailer assembly supervisor
<b>72011</b> troubleshooter foreman/woman - telecommunications	<b>94204</b> truck trailer builder
<b>14404</b> troubleshooting services dispatcher	<b>94204</b> truck trailer final inspector
<b>80022</b> trout farmer	<b>72410</b> truck trailer mechanic
<b>72410</b> truck and coach technician	<b>72410</b> truck trailer repairer apprentice
<b>72410</b> truck and trailer repairer	<b>72410</b> truck trailer service technician
<b>64101</b> truck and trailer sales representative - wholesale (non-technical)	<b>60040</b> truck wash manager
<b>72410</b> truck and transport mechanic	<b>65311</b> truck washer
<b>72410</b> truck and transport service technician	<b>73300</b> trucker
<b>72410</b> truck and transport vehicle mechanic apprentice	<b>00015</b> trucking company general manager
<b>72410</b> truck and transport vehicle repairer	<b>72024</b> trucking contractor
<b>94204</b> truck assembler	<b>73300</b> truck-trailer driver
<b>92023</b> truck assembly foreman/woman	<b>72410</b> truck-trailer repairer
<b>94204</b> truck assembly inspector	<b>51122</b> trumpeter
<b>94204</b> truck body builder	<b>94124</b> trunk panel finisher - woodworking
<b>72500</b> truck crane operator	<b>94211</b> truss assembler
<b>14404</b> truck dispatcher	<b>94211</b> truss builder
<b>75211</b> truck driver helper	<b>10021</b> trust company branch manager
<b>41210</b> truck driver trainer - community college	<b>00012</b> trust company general manager
<b>73300</b> truck driver	<b>10021</b> trust company investment manager
<b>72024</b> truck drivers foreman/woman	<b>10021</b> trust company manager
<b>72024</b> truck drivers supervisor	<b>00012</b> trust company regional vice-president
<b>72024</b> truck driver-supervisor	<b>64400</b> trust company teller
<b>43109</b> truck driving instructor	<b>11109</b> trust officer
<b>72024</b> truck fleet foreman/woman	<b>11103</b> trust services salesman/woman
<b>64100</b> truck leasing representative	<b>95106</b> tub filler - food and beverage processing
<b>75101</b> truck load weigher	<b>51122</b> tuba player
<b>75101</b> truck loader	<b>94201</b> tube assembler - electronic equipment manufacturing
<b>72410</b> truck mechanic	<b>94100</b> tube drawer - primary metal processing
<b>73300</b> truck mixer driver - construction	<b>95100</b> tube drawer helper - primary metal processing
	<b>94112</b> tube finisher - rubber products manufacturing

<b>72104</b> tube fitter - structural metal and platework	<b>94213</b> tumbling barrel painter
<b>94122</b> tube machine operator - paper converting	<b>95101</b> tumbling barrel tender - metal products manufacturing
<b>95100</b> tube roller helper - primary metal processing	<b>94213</b> tumbling barrel tender
<b>94100</b> tube rolling mill operator - primary metal processing	<b>95101</b> tumbling machine tender - metal products manufacturing
<b>94112</b> tube skiver - rubber	<b>12111</b> tumour registrar
<b>94112</b> tube sorter - rubber reclaiming	<b>72410</b> tune-up mechanic - motor vehicle
<b>94100</b> tube straightener operator - primary metal processing	<b>72410</b> tune-up specialist - motor vehicle
<b>94201</b> tube tester	<b>72106</b> tungsten inert gas (TIG) welder
<b>94112</b> tube vulcanizer tender - rubber products manufacturing	<b>22233</b> tunnel construction inspector
<b>94105</b> tube-bending machine operator - metal fabrication	<b>21300</b> tunnel engineer
<b>94219</b> tube-cutting machine tender	<b>94103</b> tunnel kiln operator - clay products
<b>94112</b> tuber operator - rubber products manufacturing	<b>94103</b> tunnel kilnman/woman - clay products
<b>95105</b> tubing folder - textile processing	<b>75110</b> tunnelling machine operator helper - construction
<b>85111</b> tubing helper - oil field services	<b>73400</b> tunnelling machine operator
<b>94100</b> tubing machine tender - primary metal processing	<b>72020</b> turbine assembly foreman/woman
<b>94202</b> tubular heating element maker	<b>94204</b> turbine assembly inspector and tester
<b>94105</b> tubular metal products fabricator	<b>72100</b> turbine blade machinist
<b>95109</b> tubulating machine feeder - glass products manufacturing	<b>72405</b> turbine fitter
<b>94132</b> tufted carpet mender	<b>92100</b> turbine operator - stationary engines
<b>92015</b> tufted-carpet weaver supervisor	<b>72301</b> turbine pipefitter
<b>94131</b> tufting machine operator - textiles	<b>80020</b> turf farmer
<b>94131</b> tufting machine operator, carpets	<b>22114</b> turfgrass management specialist
<b>94131</b> tufting operator	<b>82030</b> turkey farm foreman/woman
<b>92015</b> tufting supervisor - textiles	<b>80020</b> turkey producer
<b>72602</b> tugboat captain	<b>95109</b> turner - garment manufacturing
<b>74201</b> tugboat deckhand	<b>94124</b> turner - woodworking
<b>14404</b> tugboat dispatcher	<b>94124</b> turning machine operator - woodworking
<b>72603</b> tugboat engineer	<b>94124</b> turning sander tender - woodworking
<b>72602</b> tugboat master	<b>94140</b> turnip waxer - food and beverage processing
<b>72602</b> tugboat skipper	<b>65329</b> turnstile attendant
<b>65320</b> tumble dryer tender - laundry and dry cleaning	<b>74200</b> turntable operator - railway yard
<b>94112</b> tumbler operator - rubber products manufacturing	<b>55109</b> turntablist
<b>95106</b> tumbler tender - food and beverage processing	<b>94106</b> turret lathe operator - metal machining
<b>95101</b> tumbler tender - metal products manufacturing	<b>94106</b> turret lathe set-up operator
<b>94112</b> tumbler tender - rubber products manufacturing	<b>94140</b> turret machine tender - tobacco processing
<b>94130</b> tumbler tender - textile manufacturing	<b>94105</b> turret press operator
	<b>94105</b> turret press set-up operator
	<b>94105</b> turret punch press operator - metal fabrication
	<b>43109</b> tutor - elementary school subjects

<b>41201</b> tutor - post-secondary teaching assistant	<b>22230</b> ultrasonic tester
<b>43109</b> tutor - secondary school subjects	<b>22230</b> ultrasonic testing technician
<b>64321</b> twenty-one croupier	<b>32122</b> ultrasonographer - medical
<b>94130</b> twine dyer	<b>32122</b> ultrasonography technician
<b>94130</b> twine maker	<b>32122</b> ultrasonography technologist
<b>94130</b> twine-cropping machine tender	<b>32122</b> ultrasound supervisor
<b>94130</b> twine-shearing machine tender	<b>32122</b> ultrasound technician
<b>95105</b> twisted end finder - textile processing	<b>32122</b> ultrasound technologist
<b>94219</b> twisted wire brush assembler	<b>22230</b> ultraviolet light testing technician
<b>94219</b> twisted wire brush maker	<b>94219</b> umbrella inspector
<b>94130</b> twister operator - textile manufacturing	<b>94219</b> umbrella maker
<b>94130</b> twister tender - textile manufacturing	<b>53202</b> umpire
<b>92015</b> twisting foreman/woman - textiles	<b>94121</b> unbleached pulp washer - pulp and paper
<b>94130</b> twisting frame operator - textile manufacturing	<b>94112</b> uncured tire inspector
<b>94219</b> twisting machine tender	<b>94112</b> uncured tire lubricator
<b>94130</b> twisting operator - textile manufacturing	<b>94112</b> uncured tire repairer
<b>95109</b> tying machine tender	<b>94213</b> undercoater - motor vehicle manufacturing
<b>14112</b> type compositor	<b>83100</b> undercutter operator - underground mining
<b>94201</b> type-bar-and-segment assembler	<b>94203</b> undercutting machine operator - industrial electrical equipment
<b>14112</b> typecasting machine operator	<b>75119</b> underground cable helper
<b>14112</b> typesetter - typesetting	<b>72203</b> underground cable splicer - electric power systems
<b>72022</b> typesetters foreman/woman - printing	<b>72204</b> underground cable splicer - telecommunications
<b>72022</b> typesetters supervisor - printing	<b>75119</b> underground cable splicer helper
<b>14112</b> typesetting machine operator	<b>22310</b> underground distribution technologist - electrical power
<b>14112</b> typesetting machine tender	<b>72011</b> underground electrical conduit foreman/woman
<b>72106</b> type-soldering machine tender	<b>21310</b> underground electrical distribution engineer
<b>94201</b> typewriter aligner	<b>85110</b> underground helper - mining
<b>94219</b> typewriter assembly tester	<b>75110</b> underground labourer - construction
<b>94201</b> typewriter parts salvager	<b>85110</b> underground labourer - mining
<b>94219</b> typewriter tester	<b>72203</b> underground lineman/woman - electric power systems
<b>14100</b> typist	<b>74204</b> underground lines inspector - utilities
<b>14112</b> typographer apprentice	<b>82020</b> underground mine foreman/woman
<b>14112</b> typographer	<b>85110</b> underground mine labourer
<b>72022</b> typographers supervisor	<b>80010</b> underground mine superintendent
	<b>80010</b> underground mining superintendent
	<b>14401</b> underground tool crib attendant
	<b>00011</b> undersecretary of state
	<b>62201</b> undertaker assistant
<b>94219</b> ultrasonic cleaning machine tender	
<b>62100</b> ultrasonic equipment salesperson	
<b>22230</b> ultrasonic immersion tester	
<b>22230</b> ultrasonic technician - non-destructive testing	

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**94219** ultrasonic cleaning machine tender  
**62100** ultrasonic equipment salesperson  
**22230** ultrasonic immersion tester  
**22230** ultrasonic technician - non-destructive testing

<b>62201</b> undertaker	<b>72400</b> upgrading plant mechanic
<b>72999</b> underwater contractor	<b>95109</b> upholsterer helper
<b>72999</b> underwater worker	<b>63221</b> upholsterer
<b>94132</b> underwear sewer	<b>92015</b> upholsterers foreman/woman - fabric, fur and leather products manufacturing
<b>12202</b> underwriter - insurance	<b>62029</b> upholsterers supervisor
<b>10020</b> underwriting department manager	<b>64100</b> upholstery and furniture repair salesperson
<b>11200</b> union adviser	<b>95109</b> upholstery cleaner and finisher
<b>00013</b> union association president	<b>65311</b> upholstery cleaner
<b>11200</b> union organizer	<b>95105</b> upholstery marker and cutter
<b>11200</b> union representative	<b>63221</b> upholstery mechanic
<b>33102</b> unit aide - medical	<b>94212</b> upholstery moulder - plastic manufacturing
<b>33102</b> unit assistant - medical	<b>95109</b> upholstery parts sorter
<b>14100</b> unit clerk	<b>94212</b> upholstery presser - plastic manufacturing
<b>12010</b> unit clerks supervisor	<b>63221</b> upholstery repairer
<b>21111</b> unit forester	<b>95109</b> upholstery trimmer
<b>51100</b> unit head librarian	<b>92015</b> upholstery-cutting and sewing foreman/woman
<b>52119</b> unit manager - motion pictures and broadcasting	<b>95101</b> upsetter helper - metal fabrication
<b>62020</b> unit supervisor - food services	<b>94105</b> upsetter operator - metal forging
<b>33102</b> unit support technician - medical	<b>94105</b> upsetting machine operator - metal forging
<b>94106</b> universal grinder set-up operator	<b>94130</b> uptwister operator - textile manufacturing
<b>13100</b> university admissions officer	<b>94130</b> uptwister tender - textile manufacturing
<b>41320</b> university counsellor	<b>94100</b> uranium classifier operator
<b>41200</b> university department head	<b>94104</b> uranium ore evaluator
<b>41201</b> university laboratory assistant	<b>92010</b> uranium processing foreman/woman
<b>41200</b> university lecturer	<b>21202</b> urban and regional planner
<b>70012</b> university maintenance manager	<b>21111</b> urban forester
<b>00013</b> university president	<b>41409</b> urban geographer
<b>41200</b> university professor	<b>21202</b> urban planner
<b>40020</b> university registrar	<b>20011</b> urban planning and development assistant director - government services
<b>40012</b> university research assistant director	<b>20011</b> urban planning and development director - government services
<b>41201</b> university research assistant	<b>20011</b> urban planning and renewal director - government services
<b>60031</b> university residence manager	<b>41200</b> urban planning professor - university
<b>41201</b> university teaching assistant	<b>22300</b> urban planning technician
<b>22301</b> unmanned aerial system (UAS) maintainer	<b>21202</b> urban renovation planner
<b>22301</b> unmanned aerial vehicle (UAV) operator - Canadian Armed Forces	<b>21300</b> urban road system engineer
<b>65329</b> unmanned aerial vehicle (UAV) pilot	<b>74205</b> urban snow removal equipment operator - public works
<b>22301</b> unmanned aerial vehicle (UAV) technician	<b>41409</b> urban sociologist
<b>94210</b> upfitter - furniture manufacturing	
<b>93101</b> upgrader process operator - petroleum	

<b>73301</b> urban transit operator	<b>94219</b> vacuum bottle assembler
<b>72024</b> urban transit system foreman/woman	<b>95109</b> vacuum bottle exhaust machine feeder
<b>70020</b> urban transit system manager	<b>94202</b> vacuum cleaner assembler
<b>31101</b> urologist	<b>72421</b> vacuum cleaner repairer
<b>75101</b> used building materials yard attendant	<b>72421</b> vacuum cleaner repairman/woman
<b>72411</b> used car renovator	<b>72421</b> vacuum cleaner servicer
<b>64100</b> used-car salesperson - retail	<b>94201</b> vacuum evaporation process plater - electronic equipment manufacturing
<b>22222</b> user acceptance tester	<b>93100</b> vacuum furnace operator - primary metal processing
<b>52120</b> user experience designer	<b>93100</b> vacuum-degasser process operator - primary metal processing
<b>22221</b> user support technician	<b>94213</b> vacuum-metallizer tender
<b>62029</b> ushers supervisor	<b>65329</b> valet
<b>14200</b> utilities billing clerk	<b>14201</b> valuation clerk - financial sector
<b>14100</b> utilities clerk	<b>12203</b> valuation consultant
<b>75119</b> utilities instrument mechanic helper	<b>12203</b> valuator-appraiser
<b>14404</b> utilities maintenance crew dispatcher	<b>94112</b> valve buffer - rubber products manufacturing
<b>74205</b> utility arborist	<b>94107</b> valve spring coiler
<b>14100</b> utility clerk	<b>94107</b> valve spring winder
<b>74205</b> utility forester	<b>94132</b> vamp stitcher
<b>95100</b> utility labourer - primary metal and mineral products processing	<b>94200</b> van assembler
<b>74204</b> utility locator	<b>75101</b> van loader
<b>95100</b> utility machine worker - primary metal and mineral products processing	<b>75110</b> vanity and kitchen cupboard installer helper
<b>74204</b> utility maintenance worker	<b>73200</b> vanity and kitchen cupboard installer
<b>95103</b> utility man/woman - pulp and paper	<b>94111</b> vaporizer - plastic manufacturing
<b>94201</b> utility operator - electronic equipment manufacturing	<b>94201</b> variable capacitor tester
<b>94200</b> utility operator - motor vehicle manufacturing	<b>94201</b> variable resistor assembler
<b>72400</b> utility plant maintenance mechanic	<b>94124</b> variety saw operator - woodworking
<b>74204</b> utility plant maintenance worker	<b>60020</b> variety store manager
<b>74204</b> utility pole inspector	<b>14112</b> VariTyper operator
<b>75119</b> utility pole installer	<b>95102</b> varnish maker helper
<b>74204</b> utility pole tester	<b>94110</b> varnish maker
<b>94200</b> utility repairer - motor vehicle manufacturing	<b>94122</b> varnishing machine tender
<b>74205</b> utility tree trimmer	<b>32122</b> vascular sonographer
<b>74205</b> utility tree worker	<b>31101</b> vascular surgeon
	<b>32123</b> vascular technologist
	<b>65311</b> vat washer
	<b>14201</b> vault attendant - financial sector
	<b>14300</b> vault clerk - film library
	<b>14200</b> vault clerk
	<b>64410</b> vault custodian
<b>V</b>	
<b>54100</b> vacation camp counsellor	
<b>54100</b> vacation camp leader	
<b>22110</b> vaccine technician	

<b>72999</b> vault repairer	<b>94123</b> veneer and plywood grader - wood processing
<b>72999</b> vault servicer	<b>94129</b> veneer clipper - wood processing
<b>92013</b> V-belt building supervisor - rubber products manufacturing	<b>94129</b> veneer cutter - wood processing
<b>92013</b> V-belt foreman/woman - rubber manufacturing	<b>95103</b> veneer dryer feeder
<b>94143</b> veal grader	<b>94129</b> veneer dryer tender
<b>55109</b> veejay (VJ) - video performance artist	<b>92014</b> veneer foreman/woman - wood processing
<b>94140</b> vegetable canner - food and beverage processing	<b>94123</b> veneer grader - wood processing
<b>92012</b> vegetable canning supervisor	<b>94123</b> veneer grader
<b>94140</b> vegetable dryer tender - food and beverage processing	<b>92014</b> veneer inspection foreman/woman - wood processing
<b>82030</b> vegetable farm foreman/woman	<b>94129</b> veneer jointer - wood processing
<b>85101</b> vegetable farm worker	<b>94129</b> veneer jointer operator - wood processing
<b>80020</b> vegetable gardener	<b>94129</b> veneer lathe operator
<b>94140</b> vegetable grinder - food and beverage processing	<b>94129</b> veneer matcher - wood processing
<b>80020</b> vegetable grower	<b>94129</b> veneer patcher - wood processing
<b>22111</b> vegetable inspector	<b>94129</b> veneer reel tender - wood processing
<b>94140</b> vegetable oil extractor	<b>94124</b> veneer sander - woodworking
<b>85101</b> vegetable packer - farm	<b>94129</b> veneer slicer-lather - wood processing
<b>92012</b> vegetable packing supervisor	<b>94129</b> veneer splicer tender - wood processing
<b>85101</b> vegetable picker	<b>94129</b> veneer strip cut-off sawyer - wood processing
<b>85101</b> vegetable sorter - farm	<b>94129</b> veneer taper - wood processing
<b>85101</b> vegetable thinner	<b>92022</b> veneering foreman/woman - furniture and fixtures manufacturing
<b>65311</b> vehicle cleaner	<b>92022</b> veneering shop foreman/woman - furniture and fixtures manufacturing
<b>94213</b> vehicle cleaner-coater	<b>94129</b> veneer-slicing machine operator - wood processing
<b>14110</b> vehicle counter	<b>94219</b> Venetian blind assembler
<b>14402</b> vehicle servicing clerk	<b>73200</b> Venetian blind installer
<b>94105</b> vehicle spring repairer - metal forging	<b>94219</b> Venetian blind maker
<b>72410</b> vehicle technician - Canadian Armed Forces	<b>65311</b> venetian blinds cleaner and repairer
<b>63221</b> vehicle upholstery repairer	<b>84100</b> ventilation man/woman - underground mining
<b>65320</b> velvet steamer - laundry and dry cleaning	<b>65311</b> ventilation system cleaner
<b>94204</b> vending machine assembler	<b>55109</b> ventriloquist
<b>92023</b> vending machine assembly foreman/woman	<b>51101</b> vertebrate zoology curator
<b>75201</b> vending machine driver-supplier	<b>51101</b> vertebrate zoology museum curator
<b>73209</b> vending machine mechanic	<b>94106</b> vertical boring mill operator - metal machining
<b>73209</b> vending machine repairer	<b>94106</b> vertical machining centre operator
<b>64101</b> vending machine sales representative	<b>94105</b> vertical press operator - metal fabrication
<b>64101</b> vending machine services sales representative	<b>94105</b> vertical press operator
<b>94204</b> vending machine tester	<b>94124</b> vertical resaw operator - woodworking
<b>65109</b> vendor	<b>94105</b> vertical roll operator - metal fabrication

<b>94106</b> vertical-spindle milling machine operator - metal machining	<b>22301</b> vibration technologist
<b>94101</b> vessel operator - foundry	<b>72106</b> vibration welder
<b>42201</b> veteran services officer	<b>85111</b> vibrator operator - seismic prospecting
<b>42201</b> veterans' affairs field officer	<b>75110</b> vibrator roller operator
<b>40030</b> veterans' services director	<b>75110</b> vibratory compactor operator
<b>32104</b> veterinarian assistant	<b>73400</b> vibratory road roller operator
<b>31103</b> veterinarian practitioner	<b>73400</b> vibratory roller operator
<b>31103</b> veterinarian	<b>40042</b> vice admiral
<b>31103</b> veterinary anatomist	<b>41310</b> vice squad detective
<b>31103</b> Veterinary anesthesiologist	<b>00011</b> vice-consul
<b>65220</b> veterinary attendant	<b>40020</b> vice-president - college or university
<b>31103</b> veterinary bacteriologist	<b>00012</b> vice-president - financial, communications and other business services
<b>31103</b> veterinary dentist	<b>00015</b> vice-president - goods production, utilities, transportation and construction
<b>31103</b> veterinary dermatologist	<b>00011</b> vice-president - government services
<b>31103</b> veterinary epidemiologist	<b>00013</b> vice-president - health, education, social and community services and membership organizations
<b>62100</b> veterinary equipment and supplies salesperson	<b>00014</b> vice-president - trade, broadcasting and other services
<b>65220</b> veterinary helper	<b>00014</b> vice-president and general sales manager - trade, broadcasting and other services
<b>31103</b> veterinary inspector	<b>31301</b> Victoria Order nurse
<b>31103</b> veterinary internist	<b>31301</b> Victorian Order of Nurses (VON) nurse
<b>31103</b> veterinary laboratory diagnostician	<b>52113</b> video and sound recorder
<b>32104</b> veterinary laboratory technician	<b>51102</b> video archivist
<b>41200</b> veterinary medicine professor - university	<b>53122</b> video artist
<b>31103</b> veterinary microbiologist	<b>52110</b> video camera operator
<b>31103</b> veterinary neurologist	<b>22311</b> video camera repairer - household and business equipment
<b>31103</b> veterinary oncologist	<b>22311</b> video cassette recorder repairer
<b>31103</b> veterinary ophthalmologist	<b>52112</b> video control operator
<b>31103</b> veterinary parasitologist	<b>51120</b> video director
<b>21110</b> veterinary parasitology biologist	<b>52113</b> video editor
<b>31103</b> veterinary pathologist	<b>22311</b> video equipment installation and repair technician - household and business equipment
<b>31103</b> veterinary pharmacologist	<b>64100</b> video equipment salesperson - retail
<b>31103</b> veterinary physiologist	<b>51120</b> video game art director
<b>31103</b> veterinary radiologist	<b>52111</b> video game artist
<b>31103</b> veterinary surgeon	<b>51120</b> video game producer
<b>32104</b> veterinary technician supervisor	<b>22222</b> video game tester
<b>32104</b> veterinary technician	<b>51120</b> video games project manager
<b>32104</b> veterinary technologist	
<b>31103</b> veterinary theriogenologist	
<b>31103</b> veterinary virologist	
<b>22230</b> vibration analysis technician - non-destructive testing	

<b>51120</b> video illustrator - multimedia work	<b>53124</b> violin maker
<b>51113</b> video journalist	<b>73209</b> violin repairer
<b>51120</b> video maker	<b>51122</b> violin teacher - private, conservatory or studio lessons
<b>51120</b> video producer	<b>51122</b> violinist
<b>50011</b> video production company manager	<b>21110</b> virologist
<b>52113</b> video recorder	<b>22110</b> virology technologist
<b>52113</b> video recording technician	<b>94110</b> viscose filter operator
<b>64100</b> video rental clerk	<b>92011</b> viscose filtration foreman/woman - chemical processing
<b>60020</b> video rental store manager	<b>94110</b> viscose maker
<b>52113</b> video sound mixer	<b>94110</b> viscose solution mixer
<b>60020</b> video store manager	<b>41403</b> visible minorities policy officer
<b>52113</b> video technician	<b>44101</b> visiting homemaker
<b>52112</b> video transmission operator	<b>31301</b> visiting nurse
<b>52112</b> video transmission studio control operator	<b>41200</b> visiting professor - university
<b>52113</b> video-editing equipment operator	<b>41200</b> visiting scholar - university
<b>52110</b> videographer	<b>41221</b> visiting teacher - elementary school
<b>51113</b> videojournalist	<b>64310</b> visitor information counsellor
<b>52113</b> video-recording equipment operator	<b>41402</b> visitor interpretation services coordinator - government
<b>52113</b> videotape editor	<b>53122</b> visual arts artist
<b>52113</b> videotape postproduction editor	<b>41200</b> visual arts department chairman/woman - university
<b>52113</b> videotape recording (VTR) editor	<b>41200</b> visual arts department chairperson - university
<b>52113</b> videotape recording (VTR) operator	<b>41200</b> visual arts department head - university
<b>52113</b> videotape technician	<b>53122</b> visual arts teacher (except primary, secondary, post-secondary education)
<b>14112</b> videotext operator	<b>64100</b> visual display stylist
<b>95106</b> vinegar maker helper	<b>52111</b> visual effects (VFX) artist
<b>94140</b> vinegar maker	<b>51120</b> visual effects (VFX) production manager
<b>82030</b> vineyard foreman/woman	<b>52111</b> visual effects artist
<b>82030</b> vineyard foreman	<b>51120</b> visual effects producer
<b>80020</b> vineyard manager	<b>51120</b> visual effects project manager
<b>85101</b> vineyard pruner	<b>51120</b> visual effects technical director - motion pictures
<b>85101</b> vineyard worker	<b>72601</b> visual flight rules air traffic controller
<b>94110</b> vinyl and asbestos-blending machine tender	<b>52120</b> visual graphic designer
<b>94110</b> vinyl fabrics inspector	<b>22230</b> visual inspection technician - welding
<b>73113</b> vinyl floor installer	<b>51114</b> visual language interpreter
<b>73113</b> vinyl floor layer	<b>64100</b> visual merchandiser
<b>52111</b> vinyl lettering artist	<b>32100</b> visual orthosis technician
<b>73200</b> vinyl pool installer	<b>32100</b> visual orthotic device technician
<b>94200</b> vinyl roof installer - motor vehicle manufacturing	
<b>73113</b> vinyl tile layer	
<b>51122</b> viola teacher - private, conservatory or studio lessons	



<b>21210</b> vital statistician	<b>72202</b> voltage regulator maintainer - electrical power system
<b>80020</b> viticulturist	<b>64401</b> volume counter - mail and postal services
<b>52114</b> VJ (video jockey) - television broadcast	<b>00013</b> voluntary organization executive director
<b>51122</b> vocal music teacher - private, conservatory or studio lessons	<b>42201</b> volunteer manager
<b>51122</b> vocal soloist	<b>40030</b> volunteer services director
<b>51122</b> vocalist	<b>94140</b> Votator heat exchanger tender - food and beverage processing
<b>41320</b> vocational counsellor - education	<b>14200</b> voucher clerk
<b>41321</b> vocational counsellor (except education)	<b>92013</b> vulcanization supervisor - rubber products manufacturing
<b>40010</b> vocational education director - government services	<b>95104</b> vulcanization worker - rubber products manufacturing
<b>31203</b> vocational evaluator occupational therapist	<b>94112</b> vulcanizer - rubber products manufacturing
<b>41321</b> vocational evaluator	<b>92013</b> vulcanizing foreman/woman - rubber manufacturing
<b>41320</b> vocational guidance counsellor - education	
<b>41321</b> vocational guidance counsellor (except education)	
<b>40021</b> vocational high school principal	
<b>41220</b> vocational high school teacher	
<b>41210</b> vocational institute teacher	
<b>41321</b> vocational rehabilitation consultant	
<b>41321</b> vocational rehabilitation counsellor	
<b>41321</b> vocational rehabilitation professional	
<b>41321</b> vocational rehabilitation specialist	
<b>40030</b> vocational rehabilitation unit manager	
<b>40020</b> vocational school administrator	
<b>40020</b> vocational school director	
<b>40020</b> vocational school manager	
<b>41220</b> vocational secondary school teacher	
<b>41220</b> vocational teacher - secondary school	
<b>41210</b> vocational trainer	
<b>40010</b> vocational training director - government services	
<b>10011</b> vocational training director - human resources	
<b>53121</b> voice coach	
<b>14101</b> voice communication system operator	
<b>51122</b> voice teacher - music	
<b>51122</b> voice teacher - private, conservatory or studio lessons	
<b>53121</b> voice-over actor	
<b>21102</b> volcanologist	
<b>53201</b> volleyball coach	
<b>53200</b> volleyball player	
	<b>W</b>
	<b>94122</b> wad compressor operator
	<b>94201</b> wafer fabrication lab technician - electronic equipment manufacturing
	<b>94201</b> wafer fabrication operator - electronic equipment manufacturing
	<b>94201</b> wafer fabrication operator
	<b>94205</b> wafer machine tender - electrical equipment manufacturing
	<b>94201</b> wafer technician - electronic equipment manufacturing
	<b>92014</b> waferboard foreman/woman
	<b>92014</b> waferboard making foreman/woman - wood processing
	<b>94129</b> waferboard press operator
	<b>94205</b> wafering machine operator - electrical equipment manufacturing
	<b>41401</b> wage analyst - economic policy
	<b>11200</b> wage analyst
	<b>10011</b> wage and salary administration manager
	<b>83100</b> wagon drill operator - underground mining
	<b>65200</b> waiter/waitress - drive-in restaurant
	<b>65200</b> waiter/waitress - food and beverage services
	<b>65200</b> waiter/waitress
	<b>72500</b> walking bridge crane operator
	<b>64320</b> walking tour guide
	<b>73102</b> wall and ceiling installer

<b>65310</b> wall washer	<b>70012</b> warehouse operations manager
<b>73102</b> wallboard installer	<b>14401</b> warehouse person - parts and equipment
<b>75110</b> wallboard sander	<b>14400</b> warehouse receiver
<b>73102</b> wallboard taper	<b>14400</b> warehouse shipper
<b>94110</b> wallpaper colour mixer helper	<b>14400</b> warehouse shipping clerk
<b>52120</b> wallpaper colourist	<b>70012</b> warehouse superintendent
<b>52120</b> wallpaper designer	<b>12013</b> warehouse supervisor
<b>73401</b> wallpaper gravure proof press operator	<b>74100</b> warehouse worker - mail and parcel sorting
<b>94219</b> wallpaper inspector	<b>74100</b> warehouse worker - mail and postal services
<b>94122</b> wallpaper lapper - paper converting	<b>75101</b> warehouse worker - material handling
<b>94122</b> wallpaper lapper	<b>75101</b> warehouseman/woman
<b>95109</b> wallpaper printer helper	<b>75101</b> warehouseperson
<b>94150</b> wallpaper printer	<b>70012</b> warehousing manager
<b>94122</b> wallpaper reeler - paper converting	<b>94130</b> warp beamer - textile manufacturing
<b>94122</b> wallpaper reeler	<b>95105</b> warp beamer helper - textile processing
<b>73401</b> wallpaper rotogravure press operator	<b>94131</b> warp drawer - textiles
<b>64100</b> wallpaper salesperson - retail	<b>94131</b> warp drawer-in helper - textiles
<b>94150</b> wallpaper sample sheet cutter-marker	<b>94130</b> warp dresser - textile manufacturing
<b>94150</b> wallpaper sample sheet marker	<b>94130</b> warp end dresser - textile manufacturing
<b>33102</b> ward aide - medical	<b>94130</b> warp end dyer - textile manufacturing
<b>14100</b> ward clerk - hospital	<b>94131</b> warp knitting machine tender
<b>31301</b> ward nurse	<b>94131</b> warp placer - textiles
<b>13112</b> ward secretary - hospital	<b>94130</b> warp spinner - textile manufacturing
<b>13112</b> ward secretary	<b>94133</b> warp tension tester - textiles
<b>31300</b> ward supervisor - nursing	<b>94131</b> warp tier-in - textiles
<b>53111</b> wardrobe assistant	<b>94131</b> warp tier-in
<b>53111</b> wardrobe attendant	<b>94130</b> warp twister tender - textile manufacturing
<b>64201</b> wardrobe consultant	<b>94131</b> warp tying machine tender - textiles
<b>52119</b> wardrobe coordinator	<b>94130</b> warper - textile manufacturing
<b>52119</b> wardrobe master/mistress	<b>94130</b> warper operator - textile manufacturing
<b>52119</b> wardrobe supervisor	<b>14100</b> warranty clerk
<b>95100</b> ware cleaner - clay products manufacturing	<b>92012</b> wash house foreman/woman - food and beverage processing
<b>94103</b> ware dresser - concrete, clay and stone products	<b>94111</b> wash line operator - plastic recycling
<b>70012</b> warehouse and distribution centre manager	<b>94110</b> washer and dryer - chemical processing
<b>14401</b> warehouse checker	<b>94121</b> washerman/woman - pulp and paper
<b>14401</b> warehouse clerk - parts and equipment	<b>94110</b> wash-house and recovery equipment operator - chemical processing
<b>12013</b> warehouse distribution supervisor	<b>95106</b> washing and waxing machine tender - food and beverage processing
<b>12013</b> warehouse foreman/woman	<b>94202</b> washing machine assembler - electrical equipment manufacturing
<b>75101</b> warehouse keeper helper	
<b>70012</b> warehouse manager	

<b>65320</b> washing machine extractor operator - laundry and dry cleaning	<b>62202</b> watch repairer
<b>65320</b> washing machine extractor tender - laundry and dry cleaning	<b>62202</b> watch repairman/woman
<b>65320</b> washing machine operator - laundry and dry cleaning	<b>64100</b> watch sales clerk
<b>72421</b> washing machine repairman/woman	<b>64100</b> watch salesperson - retail
<b>72421</b> washing machine servicer	<b>72602</b> watchkeeping officer - water transport
<b>94130</b> washing machine tender - textile manufacturing	<b>62202</b> watchmaker
<b>94121</b> washing-screening operator - pulp and paper	<b>92011</b> water and sanitation-utilities equipment operating occupations foreman/woman
<b>94210</b> wash-off operator - furniture finishing	<b>21300</b> water and sewer engineer
<b>65310</b> washroom cleaner	<b>92011</b> water and sewer foreman/woman
<b>41400</b> waste diversion consultant	<b>92101</b> water and wastewater technician
<b>41400</b> waste diversion program coordinator	<b>72600</b> water bomber pilot
<b>41400</b> waste diversion program manager	<b>75210</b> water bus captain
<b>95105</b> waste machine feeder - textile processing	<b>75210</b> water bus master
<b>95105</b> waste machine feeder	<b>75210</b> water bus operator
<b>90011</b> waste management director	<b>21101</b> water chemist
<b>41400</b> waste management program coordinator	<b>73200</b> water conditioner repairer
<b>41400</b> waste reduction and recycling officer	<b>73200</b> water conditioner servicer
<b>41400</b> waste reduction education program officer	<b>90011</b> water department director
<b>41400</b> waste reduction program coordinator	<b>90011</b> water distribution manager
<b>21320</b> waste treatment engineer	<b>22300</b> water distribution systems technician
<b>94100</b> waste treatment operator - metal processing	<b>90011</b> water filtration plant manager
<b>92101</b> waste treatment plant operator	<b>72400</b> water filtration plant mechanic
<b>92011</b> waste treatment supervisor	<b>92101</b> water filtration plant operator
<b>21120</b> waste water treatment plant inspector	<b>92011</b> water filtration plant supervisor
<b>90011</b> waste water treatment system director	<b>92101</b> water gate operator
<b>92101</b> wastewater collection operator	<b>73200</b> water heater installer
<b>92101</b> wastewater collection systems operator	<b>73200</b> water heater servicer
<b>92101</b> wastewater treatment operator	<b>21120</b> water inspector
<b>92101</b> wastewater treatment plant operator	<b>95102</b> water intake tender - utilities
<b>92101</b> wastewater treatment plant worker	<b>95102</b> water intake tender
<b>94219</b> watch assembler	<b>94200</b> water leak examiner - motor vehicle manufacturing
<b>94219</b> watch assembly inspector	<b>94200</b> water leak inspector - motor vehicle manufacturing
<b>94219</b> watch balance wheel adjuster	<b>74204</b> water main maintenance man/woman
<b>94219</b> watch crystal edge grinder	<b>74204</b> water main maintenance worker
<b>94219</b> watch escapement put-in-beat adjuster	<b>21300</b> water management engineer
<b>94219</b> watch final assembly inspector	<b>74204</b> water meter installer
<b>94219</b> watch inspector	<b>73209</b> water meter repairer
<b>94219</b> watch movement tester	<b>75110</b> water pipe installer
<b>62202</b> watch repairer apprentice	<b>92101</b> water plant pump operator

<b>90011</b> water pollution control director	<b>72021</b> water well drilling contractor
<b>92011</b> water pollution control foreman/woman	<b>72021</b> water well drilling foreman/woman
<b>94204</b> water pump assembler	<b>72021</b> water well drilling supervisor
<b>21101</b> water purification chemist	<b>72501</b> water well drilling technician
<b>92011</b> water purification plant foreman/woman	<b>92101</b> water, fuels and environment technician - Canadian Armed Forces
<b>92101</b> water purification plant operator	<b>53122</b> watercolourist
<b>22100</b> water purification technician	<b>53201</b> water-polo coach
<b>21300</b> water resources engineer	<b>53200</b> water-polo player
<b>14404</b> water service dispatcher	<b>75110</b> waterproofer - construction
<b>73200</b> water softener installer	<b>73110</b> waterproofer and roofer
<b>73200</b> water softener repairer	<b>75110</b> waterproofer helper
<b>73200</b> water softener servicer	<b>94219</b> waterproofer
<b>73200</b> water softening system servicer	<b>72014</b> waterproofers foreman/woman
<b>90011</b> water supply director	<b>72014</b> waterproofing foreman/woman
<b>74204</b> water supply maintenance worker	<b>65211</b> waterslide attendant
<b>74204</b> water system maintenance worker	<b>73200</b> water-softening system installer
<b>21300</b> water systems engineer	<b>73200</b> water-softening system repairer
<b>75210</b> water taxi captain	<b>72604</b> waterway traffic checker
<b>75210</b> water taxi master	<b>72021</b> waterworks construction foreman/woman
<b>75210</b> water taxi operator	<b>22233</b> waterworks construction inspector
<b>70020</b> water transport manager	<b>90011</b> waterworks director
<b>92011</b> water treatment chief operator	<b>95102</b> waterworks labourer
<b>21300</b> water treatment engineer	<b>74204</b> waterworks maintenance worker
<b>92011</b> water treatment lead operator	<b>90011</b> waterworks manager
<b>92011</b> water treatment operations supervisor	<b>92101</b> waterworks pump house operator
<b>92101</b> water treatment operator	<b>92101</b> waterworks pumping station operator
<b>92011</b> water treatment plant foreman/woman	<b>74204</b> waterworks repairman/woman
<b>72400</b> water treatment plant mechanic	<b>90011</b> waterworks superintendent
<b>94100</b> water treatment plant operator - primary metal processing	<b>74204</b> waterworks utility servicer
<b>92101</b> water treatment plant operator	<b>94201</b> wave soldering machine operator - electronic equipment manufacturing
<b>92101</b> water treatment plant process technician	<b>94201</b> wave soldering machine operator
<b>92011</b> water treatment plant superintendent	<b>94110</b> wax bleacher
<b>92011</b> water treatment plant supervisor	<b>63211</b> wax depilation specialist
<b>92101</b> water treatment systems operator	<b>63211</b> wax depilator
<b>74204</b> water utilities plant maintenance man/woman	<b>95102</b> wax moulder
<b>92101</b> water utility operator	<b>95109</b> waxer - explosives manufacturing
<b>72501</b> water well driller apprentice	<b>94130</b> waxer - textile manufacturing
<b>75110</b> water well driller helper	<b>94101</b> wax-pattern assembler and repairer - foundry
<b>72501</b> water well driller journeyman/woman	<b>94101</b> wax-pattern assembler and repairer
<b>72501</b> water well driller	

<b>94101</b> wax-pattern mouldmaker - foundry	<b>52120</b> Web page designer
<b>11102</b> wealth advisor	<b>73401</b> Web press operator - printing
<b>42102</b> weapons engineering technician	<b>73401</b> Web pressman/woman - printing
<b>42102</b> weapons technician	<b>21234</b> Web programmer
<b>64100</b> wearing apparel salesperson - retail	<b>22220</b> Web site administrator
<b>22214</b> weather briefer	<b>21233</b> Web site designer
<b>22214</b> weather chart plotter	<b>21234</b> Web site developer
<b>22214</b> weather forecast presentation technician	<b>51110</b> Web site editor
<b>21103</b> weather forecaster	<b>22220</b> Web technician
<b>52114</b> weather reporter	<b>21234</b> Webmaster
<b>22214</b> weather station operations technician	<b>63202</b> wedding cake decorator
<b>73200</b> weather strip installer	<b>64201</b> wedding consultant
<b>73200</b> weather stripper	<b>64201</b> wedding services consultant
<b>72400</b> weave changer - textile manufacturing	<b>82031</b> weed control foreman/woman
<b>92015</b> weave room foreman/woman - textile processing	<b>82030</b> weed control service contractor - agriculture
<b>92015</b> weave room supervisor - textile processing	<b>94130</b> weft straightener - textile manufacturing
<b>92015</b> weave room supervisor	<b>43202</b> weigh station operator - by-law enforcement
<b>53124</b> weaver - arts and crafts	<b>94140</b> weigh tank tender - food and beverage processing
<b>94107</b> weaver - metal products manufacturing	<b>94110</b> weigher - chemical processing
<b>94131</b> weaver - textiles	<b>95104</b> weigher - plastic and rubber manufacturing
<b>94107</b> weaver, wire lattices	<b>95109</b> weigher-counter
<b>92015</b> weaving foreman/woman	<b>95109</b> weigher-manufacturing
<b>92015</b> weaving inspector foreman/woman - textile processing	<b>21390</b> weight and balance engineer - aerospace
<b>94133</b> weaving inspector	<b>64201</b> weight loss adviser
<b>53124</b> weaving instructor (except education)	<b>64201</b> weight loss consultant
<b>92015</b> weaving room supervisor - textile processing	<b>53200</b> weight-lifter
<b>92015</b> weaving room supervisor - textiles	<b>54100</b> weightlifting instructor
<b>92015</b> weaving supervisor	<b>60040</b> weight-loss clinic manager
<b>21234</b> web application developer	<b>22231</b> weights and measures inspector
<b>10022</b> Web communications manager	<b>83121</b> weir fisherman/woman
<b>51111</b> Web content specialist	<b>22230</b> weld tester
<b>51113</b> Web critic	<b>93200</b> welded assemblies fitter-tester - aircraft assembly
<b>52120</b> Web designer - graphic design	<b>72106</b> welder apprentice
<b>21233</b> Web designer	<b>72010</b> welder foreman/woman
<b>21234</b> Web developer	<b>95101</b> welder helper
<b>52120</b> Web graphic designer	<b>72106</b> welder operator
<b>21234</b> Web integrator	<b>72010</b> welder supervisor
<b>21234</b> Web manager	<b>72106</b> welder
<b>10022</b> Web marketing manager	<b>72106</b> welder-assembler

<b>75110</b> welder-fitter helper - construction	<b>72021</b> well drilling contractor
<b>95101</b> welder-fitter helper - manufacturing	<b>72021</b> well drilling supervisor
<b>95101</b> welder-fitter helper	<b>21332</b> well logging engineer
<b>72106</b> welder-fitter	<b>83101</b> well puller - oil field services
<b>72010</b> welding contractor	<b>85111</b> well puller helper - oil field services
<b>21322</b> welding engineer	<b>82021</b> well services crew supervisor - oil and gas drilling
<b>72400</b> welding equipment mechanic	<b>82021</b> well services crew supervisor - oil field services
<b>72400</b> welding equipment repairer	<b>82021</b> well site consultant - oil and gas
<b>62100</b> welding equipment salesperson	<b>83101</b> well testing operator - oil and gas drilling
<b>72106</b> welding lay-out man/woman	<b>83101</b> well testing operator
<b>72400</b> welding machine mechanic	<b>84101</b> well treatment blender operator - oil field services
<b>95101</b> welding machine operator helper	<b>85111</b> well treatment helper - oil field services
<b>72106</b> welding machine operator	<b>85111</b> well treatment helper
<b>72301</b> welding pipefitter	<b>84101</b> well treatment pump operator - oil field services
<b>94107</b> welding rod-extruder operator	<b>41404</b> wellness consultant
<b>94107</b> welding rod-extruder tender	<b>41404</b> wellness coordinator
<b>72010</b> welding supervisor	<b>41404</b> wellness program coordinator
<b>41210</b> welding teacher - technical institute	<b>92101</b> well-point pump operator
<b>22101</b> welding technician - mining	<b>21102</b> wellsite coordinator - geology
<b>22101</b> welding technologist	<b>95109</b> welt butter and tacker - shoe manufacturing
<b>95100</b> welding-rod-extruder operator helper - primary metal processing	<b>95105</b> welt maker - hat manufacturing
<b>42201</b> welfare and compensation officer	<b>95105</b> welt-trimming machine tender - hat manufacturing
<b>41401</b> welfare economist	<b>93101</b> wet explosives mixer
<b>21120</b> welfare institute inspector - public health	<b>94100</b> wet plant recovery equipment tender - primary metal processing
<b>40030</b> welfare manager	<b>94140</b> wet process miller - food and beverage processing
<b>41301</b> welfare organization counsellor	<b>94219</b> wet suit maker
<b>40030</b> welfare organization department director	<b>92012</b> wet-starch foreman/woman - food and beverage processing
<b>40030</b> welfare organization director	<b>14200</b> wharf clerk
<b>40030</b> welfare organization manager	<b>14200</b> wharfinger
<b>42201</b> welfare organization supervisor	<b>75100</b> wharfman/woman - marine cargo handling
<b>41403</b> welfare policy analysts supervisor	<b>80020</b> wheat farmer
<b>40010</b> welfare services administration director - government services	<b>80020</b> wheat grower
<b>40010</b> welfare services administrator - government services	<b>80020</b> wheat producer
<b>40010</b> welfare services director - government services	<b>72410</b> wheel alignment and brake mechanic
<b>42201</b> welfare worker	<b>72410</b> wheel alignment and brake specialist
<b>12102</b> well and facilities asset analyst	<b>94200</b> wheel and tire installer - automobile assembly
<b>10029</b> well and facilities asset manager	
<b>72021</b> well digging contractor	
<b>72021</b> well digging supervisor	

<b>72020</b> wheel shop foreman/woman - railway equipment	<b>73209</b> wind instrument repairer
<b>95101</b> wheelabrator operator - metal products manufacturing	<b>22301</b> wind tunnel test technician
<b>95101</b> wheelabrator operator	<b>22301</b> wind tunnel test technologist
<b>94204</b> wheelchair lift assembler	<b>95105</b> winder cleaner - textile processing
<b>74201</b> wheelsman/woman	<b>72400</b> winder fixer - textile manufacturing
<b>94219</b> whisk assembler	<b>94121</b> winder operator - pulp and paper
<b>94110</b> white lead mixer	<b>94130</b> winder tender - textile manufacturing
<b>94101</b> white-metal caster - foundry	<b>72422</b> winder-electrician
<b>94210</b> whitener - furniture finishing and refinishing	<b>94121</b> winderman/woman - pulp and paper
<b>64322</b> whitewater rafting guide	<b>95105</b> winding frame cleaner - textile processing
<b>62101</b> wholesale buyer	<b>72400</b> winding machine fixer - textile manufacturing
<b>60020</b> wholesale establishment manager	<b>94130</b> winding machine operator - textile manufacturing
<b>64101</b> wholesale purveyor	<b>94219</b> winding machine tender - other products manufacturing
<b>64101</b> wholesale trade representative	<b>94130</b> winding machine tender - textile manufacturing
<b>64101</b> wholesale trade representatives supervisor	<b>92014</b> winding room foreman/woman - pulp and paper
<b>00014</b> wholesaler - broadcasting	<b>94203</b> windings inspector - large electric motors manufacturing
<b>60020</b> wholesaler	<b>94212</b> windmill blade assembler
<b>22220</b> Wide area network (WAN) administrator	<b>94212</b> windmill blade inspector
<b>22220</b> wide area network (WAN) technician	<b>72400</b> windmill repairer
<b>53111</b> wig assistant - motion pictures, broadcasting and performing arts	<b>73200</b> window air conditioner installer
<b>94219</b> wig hair preparer	<b>72421</b> window air conditioner mechanic
<b>52119</b> wig hairdresser - motion pictures, broadcasting and performing arts	<b>75119</b> window air conditioner repairer helper
<b>94219</b> wig maker	<b>72421</b> window air conditioner repairer
<b>63210</b> wig stylist	<b>94219</b> window and door assembler - PVC window and door manufacturing
<b>53100</b> wilderness interpreter	<b>94219</b> window and screen assembler
<b>21110</b> wildlife biologist	<b>94219</b> window blind mounter
<b>22110</b> wildlife biology technician	<b>75110</b> window caulker
<b>21110</b> wildlife helminthologist	<b>65311</b> window cleaner
<b>21110</b> wildlife naturalist	<b>64100</b> window display designer
<b>53110</b> wildlife photographer	<b>73200</b> window film installer
<b>22110</b> wildlife resources technician	<b>73200</b> window installer
<b>22110</b> wildlife technician	<b>73111</b> window sash and frame glazier
<b>22110</b> wildlife technologist	<b>73200</b> window shade installer
<b>94130</b> willow operator - textile manufacturing	<b>94219</b> window shade mounter
<b>42200</b> wills and estates law clerk	<b>62024</b> window washer supervisor
<b>13111</b> wills and estates legal assistant	<b>65311</b> window washer
<b>42200</b> wills and estates paralegal	<b>60040</b> window washing service manager
<b>41400</b> wind energy analyst	<b>62024</b> window washing supervisor

<b>54100</b> windsurfing instructor	<b>94100</b> wire drawing machine operator
<b>14401</b> wine cellar attendant	<b>73200</b> wire fence erector
<b>94140</b> wine fermenter - food and beverage processing	<b>95101</b> wire finisher
<b>94140</b> wine pasteurizer	<b>94107</b> wire lampshade frame maker
<b>64101</b> wine sales representative - wholesale	<b>73102</b> wire lather
<b>65200</b> wine server	<b>94107</b> wire lattice and wire mesh weaver
<b>65200</b> wine steward	<b>94107</b> wire lattice weaver
<b>60020</b> wine store manager	<b>95101</b> wire loom helper
<b>64100</b> wine store sales clerk	<b>94107</b> wire loom operator
<b>94143</b> wine tester	<b>94107</b> wire loom setter
<b>65200</b> wine waiter/waitress	<b>94107</b> wire loop machine operator
<b>94140</b> winemaker - food and beverage processing	<b>94107</b> wire mesh fence-making machine operator
<b>94143</b> wineries fermentation inspector	<b>94107</b> wire mesh gate assembler
<b>94143</b> wineries gauger	<b>94107</b> wire mesh knitter
<b>92012</b> winery cellar master	<b>75110</b> wire mesh setter
<b>94140</b> winery cellarman/woman - food and beverage processing	<b>94107</b> wire netting weaver
<b>90010</b> winery manager	<b>94104</b> wire products inspector
<b>94140</b> winery-press operator	<b>72400</b> wire repairer - textile manufacturing
<b>93200</b> wing inspector - aircraft assembly	<b>94100</b> wire roller operator - primary metal processing
<b>93200</b> wing marry-up mechanic - aircraft assembly	<b>94107</b> wire rope maker
<b>93200</b> wing tank mechanic - aircraft assembly	<b>94107</b> wire rope sling and cable splicer
<b>64322</b> winter camping guide	<b>94100</b> wire sample former
<b>94140</b> winterizer tender - food and beverage processing	<b>94103</b> wire saw operator - concrete, clay and stone products
<b>94201</b> wire and harness assembler	<b>94107</b> wire screen cutter and trimmer
<b>94107</b> wire basket maker	<b>94107</b> wire screen former
<b>94201</b> wire bonder - electronic equipment manufacturing	<b>94107</b> wire screen maker
<b>95109</b> wire border assembler - furniture assembly	<b>94107</b> wire screen weaver
<b>94107</b> wire bundle machine operator	<b>94100</b> wire sheather - primary metal processing
<b>94107</b> wire cable assembler and tester	<b>94201</b> wire soldering operator
<b>94107</b> wire cable stretcher and tester	<b>72203</b> wire splicer - electric power systems
<b>94213</b> wire coater	<b>95101</b> wire spooler - metal products manufacturing
<b>94202</b> wire connector - electrical equipment manufacturing	<b>94205</b> wire stripper - electrical equipment manufacturing
<b>95100</b> wire drawer helper	<b>94104</b> wire tester and inspector - primary metal processing
<b>94100</b> wire drawer operator	<b>94213</b> wire tinner
<b>94100</b> wire drawer	<b>95101</b> wire weaver helper
<b>92010</b> wire drawing foreman/woman - primary metal processing	<b>94107</b> wire weaver
<b>95100</b> wire drawing helper	<b>72106</b> wire welder
	<b>94201</b> wire wound resistor calibrator - electronic equipment manufacturing



<b>94201</b> wire wound resistor calibrator	<b>42201</b> women's centre program supervisor - social services
<b>94201</b> wire wound resistor inspector - electronic equipment manufacturing	<b>42201</b> women's centre supervisor - social services
<b>94213</b> wire-coating equipment operator	<b>64100</b> women's clothing sales clerk
<b>94107</b> wire-coiner operator	<b>41403</b> women's employment policy consultant
<b>94107</b> wire-crimping machine operator	<b>53123</b> women's fashion designer
<b>94201</b> wire-cutting machine operator - electronic equipment manufacturing	<b>64200</b> women's garment alterations seamstress
<b>72101</b> wire-drawing die maker	<b>64200</b> women's garment custom seamstress
<b>21311</b> wireless communications network engineer	<b>64200</b> women's hat maker - milliner
<b>82021</b> wireline field supervisor - oil field services	<b>41403</b> women's issues lobbyist
<b>85111</b> wireline helper - oil field services	<b>41403</b> women's program coordinator
<b>85111</b> wireline helper	<b>41403</b> women's shelter program coordinator
<b>83101</b> wireline operator - oil field services	<b>42201</b> women's shelter supervisor - social services
<b>83101</b> wireline operator trainee	<b>42201</b> women's shelter supervisor
<b>83101</b> wireline operator	<b>41403</b> women's status policy consultant
<b>94203</b> wireman/woman - industrial electrical equipment	<b>64100</b> women's wear sales clerk
<b>72205</b> wireman/woman - telecommunications	<b>94211</b> wood barrel stave assembler
<b>94107</b> wire-netting machine operator	<b>94124</b> wood blank sawyer
<b>94205</b> wire-numbering machine tender - electrical equipment manufacturing	<b>53122</b> wood block artist
<b>94213</b> wire-paint-coating machine tender	<b>94211</b> wood box blank former
<b>94107</b> wire-pairing machine tender	<b>94211</b> wood box maker
<b>72205</b> wirer - telecommunications	<b>72420</b> wood burner installer
<b>94203</b> wirer/woman - industrial electrical equipment	<b>72420</b> wood burner maintainer
<b>94107</b> wire-rewinding machine tender	<b>94211</b> wood case maker
<b>94107</b> wire-weaving loom setter	<b>94211</b> wood casket frame assembler
<b>94205</b> wireworker - electrical equipment manufacturing	<b>94210</b> wood casket maker
<b>94107</b> wireworks weaver - metal products manufacturing	<b>94211</b> wood casket moulding setter
<b>94201</b> wire-wrapping machine operator - electronic equipment manufacturing	<b>94211</b> wood casket top frame fitter
<b>94201</b> wiring and assembly operator	<b>21101</b> wood chemist
<b>94201</b> wiring and soldering operator - electronic equipment manufacturing	<b>95103</b> wood chip unloader
<b>72200</b> wiring electrician	<b>94211</b> wood crate maker
<b>22233</b> wiring inspector - domestic installation	<b>84110</b> wood cutter - logging
<b>22233</b> wiring inspector - industrial installation	<b>94110</b> wood distillation and charcoal distiller
<b>94124</b> wobble saw operator - woodworking	<b>94211</b> wood door patcher - wood products manufacturing
<b>42201</b> women's centre coordinator - social services	<b>94124</b> wood driller - woodworking
<b>40030</b> women's centre manager	<b>94210</b> wood finisher - furniture finishing and refinishing
	<b>72421</b> wood fireplace servicer
	<b>94211</b> wood flask maker - foundry
	<b>73113</b> wood floor covering layer
	<b>73113</b> wood floor installer

<b>94129</b> wood flour miller	<b>94124</b> wood products flarer
<b>72013</b> wood frame building foreman/woman	<b>92024</b> wood products foreman/woman
<b>72310</b> wood frame carpenter	<b>94211</b> wood products gluer
<b>72310</b> wood frame house carpenter	<b>94211</b> wood products inspector - wood products manufacturing
<b>72420</b> wood furnace installer	<b>95109</b> wood products machine feeder
<b>72311</b> wood furniture and fixtures patternmaker	<b>94124</b> wood products machine tender
<b>94210</b> wood furniture assembler	<b>94121</b> wood pulp caustic liquor maker
<b>94210</b> wood furniture frame assembler	<b>95103</b> wood room labourer - pulp and paper
<b>94211</b> wood furniture repairer - wood products manufacturing	<b>94124</b> wood sander - woodworking
<b>94211</b> wood golf club head finisher	<b>92022</b> wood sanders foreman/woman - furniture and fixtures manufacturing
<b>94210</b> wood grainer - furniture finishing and refinishing	<b>94211</b> wood sash and door grader
<b>94219</b> wood heel finisher - footwear manufacturing	<b>94124</b> wood saw operator - woodworking
<b>94124</b> wood lathe turner - woodworking	<b>92022</b> wood sawing foreman/forewoman
<b>73102</b> wood lather	<b>53122</b> wood sculptor
<b>94211</b> wood machining inspector	<b>73110</b> wood shingle roofer
<b>92022</b> wood machining workers foreman/woman - furniture and fixtures manufacturing	<b>72014</b> wood shingle roofers foreman/woman
<b>94123</b> wood marker - wood processing	<b>72014</b> wood shingle roofing contractor
<b>94123</b> wood measurer - wood processing	<b>73110</b> wood shingler
<b>94123</b> wood measurer	<b>72310</b> wood shipwright
<b>72311</b> wood model maker	<b>73200</b> wood siding applicator
<b>94211</b> wood modular housing fabricator	<b>94211</b> wood stave inspector
<b>72311</b> wood mould maker	<b>94211</b> wood tank assembler
<b>94129</b> wood particle dryer tender	<b>94129</b> wood treater operator
<b>94129</b> wood particles mixer-dryer tender	<b>94129</b> wood treating worker - wood preserving
<b>72311</b> wood pattern inspector	<b>94124</b> wood turner - woodworking
<b>72311</b> wood pattern repairman/woman - foundry	<b>94124</b> wood turning lathe operator - woodworking
<b>72311</b> wood patternmaker	<b>72420</b> wood-burning appliance installer
<b>72013</b> wood patternmakers foreman/woman	<b>72420</b> wood-burning system installer
<b>94211</b> wood prefab housing assembler	<b>53124</b> woodcarver
<b>94123</b> wood processing grader	<b>94124</b> wood-carving machine operator
<b>94123</b> wood processing inspector	<b>94211</b> wooden barrel builder
<b>95103</b> wood processing labourer	<b>94211</b> wooden barrel end fitter
<b>94211</b> wood products assembler	<b>94124</b> wooden barrel header - woodworking
<b>94211</b> wood products assembling inspector	<b>94211</b> wooden barrel header
<b>94211</b> wood products assembly inspector	<b>94211</b> wooden barrel heading fitter
<b>94211</b> wood products assembly lead hand	<b>94211</b> wooden barrel heading matcher and assembler
<b>94211</b> wood products bench assembler	<b>92024</b> wooden barrel maker foreman/woman
<b>94211</b> wood products factory assembler	<b>94211</b> wooden barrel maker
<b>95109</b> wood products finisher - furniture manufacturing	<b>94124</b> wooden barrel-header fitter - woodworking

<b>94211</b> wooden basket maker	<b>94211</b> wooden prefabricated housing production worker
<b>94219</b> wooden boat assembly inspector	<b>94211</b> wooden reel assembler
<b>94219</b> wooden boat inspector	<b>94211</b> wooden sash and door assembler
<b>72310</b> wooden boatbuilder	<b>94211</b> wooden sash and door inspector
<b>94211</b> wooden box assembler	<b>94211</b> wooden shuttle inspector
<b>95109</b> wooden box bander	<b>94124</b> wooden stave turner - woodworking
<b>94211</b> wooden box bench hand	<b>94210</b> wooden table assembler
<b>94211</b> wooden box builder	<b>94211</b> wooden tank bottom sawyer and assembler
<b>94211</b> wooden box inspector	<b>94211</b> wooden tank stave assembler
<b>92024</b> wooden box maker foreman/woman	<b>94211</b> wooden truss maker
<b>94211</b> wooden bucket stave assembler	<b>92024</b> wooden truss making foreman/woman - manufacturing
<b>94211</b> wooden case assembler	<b>73200</b> wooden window sash installer
<b>94211</b> wooden case builder	<b>92024</b> woodenware assembler foreman/woman
<b>94210</b> wooden casket assembler	<b>94211</b> woodenware assembler
<b>94211</b> wooden casket inspector	<b>80010</b> woodlands manager
<b>94211</b> wooden casket top frame setter	<b>92022</b> wood-machining quality-control inspectors foreman/woman - furniture and fixtures manufacturing
<b>95109</b> wooden coat hanger shaper feeder	<b>94129</b> wood-oiling machine operator - wood processing
<b>94211</b> wooden crate assembler	<b>95103</b> wood-preserving plant labourer
<b>94211</b> wooden crate builder	<b>82010</b> woods foreman/woman
<b>94211</b> wooden door assembler	<b>80010</b> woods superintendent
<b>94211</b> wooden door inspector	<b>94124</b> woodsawyer - woodworking
<b>94211</b> wooden door maker	<b>92014</b> wood-treating machine foreman/woman
<b>94211</b> wooden door repairer - wood products manufacturing	<b>92014</b> wood-treating plant foreman/woman
<b>73200</b> wooden fence erector	<b>94124</b> wood-turning lathe operator - woodworking
<b>94210</b> wooden furniture assembly repairer	<b>92022</b> woodworking machine department foreman/woman - furniture and fixtures manufacturing
<b>94210</b> wooden furniture polisher - furniture finishing	<b>95109</b> woodworking machine feeder
<b>94211</b> wooden golf club facer	<b>92022</b> woodworking machine operator foreman/woman - furniture and fixtures manufacturing
<b>94211</b> wooden hoop maker	<b>94124</b> woodworking machine operator
<b>94219</b> wooden hull caulker - boat assembly	<b>92022</b> woodworking machine operators supervisor - furniture and fixtures manufacturing
<b>94211</b> wooden keg builder	<b>94124</b> woodworking machine setter
<b>94211</b> wooden keg maker	<b>94124</b> woodworking machine set-up operator
<b>94211</b> wooden ladder assembler	<b>95109</b> woodworking shop helper
<b>94211</b> wooden ladder builder	<b>94130</b> wool batcher
<b>94211</b> wooden manufactured home production worker	<b>94130</b> wool blender
<b>94211</b> wooden manufactured housing production worker	
<b>94211</b> wooden pallet assembler	
<b>94211</b> wooden pallet maker	
<b>73200</b> wooden panel installer	
<b>94211</b> wooden panel matcher	

<b>94133</b> wool fleece grader	<b>65320</b> wrapper - laundry and dry cleaning
<b>94133</b> wool grader	<b>95109</b> wrapper - manufacturing
<b>94130</b> wool mixer	<b>94112</b> wrapper operator - rubber products
<b>94130</b> wool opener and duster	<b>94205</b> wrapper-stacker operator - electrical equipment manufacturing
<b>95109</b> wool puller - hide and pelt processing	<b>95101</b> wrapping machine operator - wire products manufacturing
<b>94130</b> wool scourer	<b>94205</b> wrapping machine tender - electrical equipment manufacturing
<b>82030</b> wool shearing contractor	<b>53124</b> wreath maker
<b>92015</b> wool sorter and grader foreman/woman - textile processing	<b>72500</b> wrecking crane operator
<b>94130</b> wool sorter	<b>72021</b> wrecking crew foreman/woman
<b>92015</b> wool sorting and grading foreman/woman	<b>53200</b> wrestler
<b>94130</b> wool washer	<b>94130</b> wringer operator - textile manufacturing
<b>95105</b> woollen mill labourer	<b>94130</b> wringer tender - textile manufacturing
<b>12010</b> word processing service coordinator	<b>95109</b> wrinkle remover - shoe manufacturing
<b>12010</b> word processing unit supervisor	<b>43200</b> writ server - bailiff
<b>14100</b> word processor clerk	<b>51111</b> writer
<b>21321</b> work measurement engineer	<b>51121</b> writer-composer-performer
<b>11201</b> work reorganization consultant	<b>51110</b> writer-editor
<b>41400</b> work site analyst	
<b>41400</b> work site auditor	
<b>11201</b> work study analyst	
<b>11201</b> work study analysts supervisor	
<b>75210</b> workboat operator	
<b>12201</b> workers' compensation adjuster - insurance	
<b>41403</b> workers' compensation officer	
<b>41403</b> workers' compensation policy analyst	
<b>41321</b> workforce adjustment officer	
<b>41321</b> workforce development officer	
<b>72999</b> working model maker - aircraft	
<b>62200</b> working sous-chef	
<b>83101</b> workover rig operator - oil field services	
<b>41210</b> workplace trainer	
<b>85101</b> worm harvester	
<b>85101</b> worm packer	
<b>85101</b> worm picker	
<b>85101</b> worm picker-packer	
<b>94140</b> wort cooler - food and beverage processing	
<b>94140</b> wort maker - food and beverage processing	
<b>92015</b> woven fabric inspection foreman/woman - textile processing	
<b>94121</b> wrapline operator - papermaking	
	<b>X</b>
	<b>32121</b> X-ray (radiology) technician
	<b>62100</b> X-ray equipment salesperson
	<b>94153</b> X-ray film developer
	<b>32121</b> X-ray machine operator - medical
	<b>21100</b> X-ray physicist
	<b>94153</b> X-ray plate developer
	<b>32121</b> X-ray technician
	<b>Y</b>
	<b>13200</b> yacht broker
	<b>82020</b> yard boss - mining and quarrying
	<b>14404</b> yard clerk
	<b>74200</b> yard coupler - railway
	<b>73310</b> yard engineer - railway
	<b>92014</b> yard foreman/woman - pulp and paper
	<b>72023</b> yard foreman/woman - railway
	<b>64100</b> yard goods salesperson - retail
	<b>95103</b> yard labourer - pulp and paper

<b>75211</b> yard labourer - railway transport	<b>95106</b> yeast-processing plant labourer
<b>73310</b> yard locomotive engineer - railway	<b>50012</b> YMCA (Young Men's Christian Association) general director
<b>82020</b> yard supervisor - mining and quarrying	<b>50012</b> YMCA (Young Men's Christian Association) general secretary
<b>74200</b> yard switchman/woman - railway transport	<b>50012</b> YMCA (Young Men's Christian Association) programs director
<b>74200</b> yard trainman/woman	<b>54100</b> yoga instructor
<b>74200</b> yard worker - railway	<b>94140</b> yogurt maker
<b>94102</b> yardage controller - glass products manufacturing	<b>00013</b> young men's christian association (YMCA) executive director
<b>83110</b> yarder operator - logging	<b>40030</b> young offender services director
<b>83110</b> yarding engineer - logging	<b>31301</b> youth centre nurse
<b>74200</b> yardman/woman - railway	<b>14103</b> youth court clerk
<b>72023</b> yardmaster - railway	<b>41100</b> youth court judge
<b>94133</b> yarn and spun yarn inspector	<b>42201</b> youth development coordinator
<b>94130</b> yarn conditioner	<b>42201</b> youth hostel coordinator
<b>94130</b> yarn doubler - textile manufacturing	<b>60031</b> youth hostel manager
<b>94130</b> yarn dryer	<b>41406</b> youth recreational and leisure activities consultant
<b>94130</b> yarn dyer	<b>41406</b> youth recreational and leisure activities counsellor
<b>94133</b> yarn examiner	<b>41406</b> youth recreational and leisure activities program coordinator
<b>94130</b> yarn finisher	<b>42201</b> youth services worker
<b>95105</b> yarn handler	<b>42201</b> youth worker - social services
<b>94133</b> yarn inspector	<b>42201</b> youth worker
<b>94130</b> yarn mercerizer	
<b>92015</b> yarn preparation supervisor - textiles	
<b>95105</b> yarn salvager	
<b>94130</b> yarn soaker	
<b>94130</b> yarn spinner	
<b>94130</b> yarn spooler	
<b>94133</b> yarn tester	
<b>94130</b> yarn winder tender	
<b>94130</b> yarn-drying machine tender	
<b>94130</b> yarn-plaiting equipment tender	
<b>94130</b> yarn-texturing machine tender - textile manufacturing	
<b>94140</b> yeast cutter	
<b>94140</b> yeast dryer	
<b>94140</b> yeast emulsifier tender - food and beverage processing	
<b>94140</b> yeast maker	
<b>95106</b> yeast processing labourer	
<b>94140</b> yeast room operator	
<b>95106</b> yeast sampler - food and beverage processing	
<b>94140</b> yeast separator - food and beverage processing	
	<b>Z</b>
	<b>65211</b> zamboni driver
	<b>94100</b> zinc billet caster
	<b>95100</b> zinc cathode puller
	<b>94100</b> zinc cell operator
	<b>94100</b> zinc chloride separator tender
	<b>95100</b> zinc drosser
	<b>95100</b> zinc dust maker
	<b>95100</b> zinc electrolysis lead burner helper
	<b>94213</b> zinc galvanizer
	<b>94100</b> zinc pressure leach operator
	<b>72010</b> zinc roofers foreman/woman
	<b>94100</b> zinc vapour condenser
	<b>64322</b> zipline guide

**94219** zipper assembler  
**94219** zipper chain assembler  
**94219** zipper chain machine tender  
**94219** zipper inspector  
**94107** zipper links machine tender  
**94107** zipper links maker  
**94219** zipper machine operator  
**94219** zipper machine tender (except plastic products)  
**94219** zipper manufacturing inspector  
**95109** zipper repairer  
**94219** zipper-cutting machine operator  
**94212** zipper-forming machine tender - plastic products manufacturing  
**94132** zipper-sewing machine operator  
**60010** zone manager - sales  
**43202** zoning enforcement officer  
**43202** zoning examiner  
**43202** zoning inspector  
**21202** zoning officer - land use  
**65220** zoo animal attendant  
**65220** zoo attendant  
**22110** zoo foreman/woman  
**53100** zoo interpreter  
**22110** zoo supervisor  
**31103** zoo veterinarian  
**20011** zoological garden director  
**20011** zoological park director  
**22110** zoological technician  
**22110** zoological technologist  
**21110** zoologist  
**41200** zoology professor - university  
**41301** zootherapist