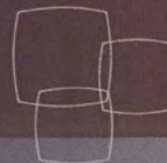




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Information and Communications Technologies (ICT)



ICT Sector Employment

Canada

Information and Communications Technologies Statistical Overview

(URL: <http://strategis.ic.gc.ca/ictso>)

Information and Communications Technologies Branch Spectrum, Information Technologies and Telecommunications Sector

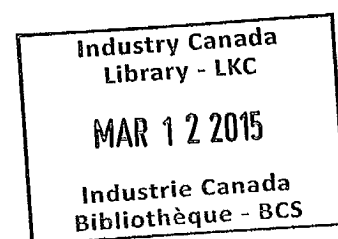
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ICT Sector Employment, 2011 Estimates

- ICT sector employment was estimated at almost 556,000 in 2011, an slight decrease of 0.4% over the 2010 level. The ICT sector accounted for 3.2% of Canadian employment, a decrease of 0.1 percentage point after remaining stable at 3.3% since 2007.
- ICT manufacturing employment decreased slightly by 0.4% in 2011, to 80,950, it was the fourth decline in a row. The largest nominal change was a decrease of about 1,200 employees in the instruments industry from about 23,900 in 2010 to about 22,700 in 2011. Since 2002, employment in the manufacturing industries has dropped by 20%, an annual average decline of 2.4%.
- ICT services employment decreased slightly by 0.3% in 2011, totalling to about 403,100 employees. This is the first annual decrease following three consecutive annual increases. The decline in services industries' employment was mainly attributed to a 1.0% drop in the computer systems design industry. Meanwhile, communications services employment increased by 1.2%. Since 2002, services industries' employment has grown by 8.4%, an average of 0.9% annually.
- ICT wholesaling employment decreased by 1.1% in 2011, amounting to about 71,900 employees.
- Overall, ICT sector employment has grown by 1.3% since 2002 or 0.1% on an annual basis.



ICT Sector Employment, 2002-2011
(Manufacturing and Services)

NAICS 2002	Industry	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
33331	Commercial and Service Industry Machinery Mfg ¹	12,155	10,133	10,616	12,652	12,972	14,079	14,668	14,036	13,638	14,450
33411	Computer and Peripheral Equipment Mfg ¹	11,390	10,067	9,146	8,549	8,119	8,214	7,559	5,882	6,091	6,300
33421	Telephone Apparatus Mfg (Wired Communications Equipment) ¹	8,862	8,209	9,371	8,831	7,454	8,593	2,971	1,526	604	550
33422	Radio and Television Broadcasting and Wireless Communications Equipment Mfg ¹	10,866	9,863	9,943	11,312	13,333	14,809	14,815	18,586	16,875	18,500
33431	Audio and Video Equipment Mfg ¹	1,373	1,449	1,406	1,190	1,500	1,408	1,044	1,234	1,405	1,400
33441	Semiconductor and Other Electronic Component Mfg ¹	24,281	21,306	21,246	19,726	20,102	18,784	17,325	15,023	15,098	15,600
33451	Navigational, Measuring, Medical and Control Instruments Mfg ¹	25,467	26,172	25,768	25,460	28,302	28,451	27,530	25,209	23,889	22,700
33592	Communication and Energy Wire and Cable Mfg ¹	8,797	5,827	6,390	6,384	5,791	4,604	4,135	3,646	3,499	3,450
	Total ICT Manufacturing ¹	101,181	93,026	93,886	94,104	97,573	98,942	90,047	83,142	81,299	80,950
51121	Software Publishers ²	24,146	22,599	23,088	26,026	28,482	30,800	31,326	29,990	30,625	30,570
517	Communications Services	121,833	119,633	119,338	121,486	119,474	119,496	119,249	119,308	116,636	118,001
51821	Data Processing, Hosting and Related Services	11,582	10,770	11,823	12,443	13,427	14,224	14,814	13,509	14,489	14,508
54151	Computer Systems Design and Related Services ²	214,419	215,310	208,248	217,009	219,826	216,634	226,110	230,258	242,497	240,015
	Total ICT Services ²	371,980	368,312	362,497	376,963	381,309	381,154	391,499	393,065	404,247	403,094
4173	Computer and Communications Equipment and Supplies Wholesaler-Distributors	51,729	52,834	51,538	50,603	51,913	54,719	56,418	54,289	53,823	52,934
41791	Office and Store Machinery and Equipment Wholesaler-Distributors	23,802	23,511	22,314	21,416	21,284	21,554	22,150	20,200	18,900	19,000
	Total ICT Wholesaling	75,531	76,345	73,852	72,018	73,197	76,273	78,568	74,489	72,723	71,934
	Total ICT Sector ²	548,692	537,683	530,235	543,085	552,079	556,369	560,114	550,696	558,269	555,978
	TOTAL EMPLOYMENT in CANADA (including self-employed)	15,297,900	15,662,900	15,921,800	16,124,700	16,410,200	16,805,600	17,087,400	16,813,100	17,041,000	17,306,200
	ICT EMPLOYMENT as a PERCENTAGE of CANADIAN EMPLOYMENT	3.6%	3.4%	3.3%	3.4%	3.4%	3.3%	3.3%	3.3%	3.3%	3.2%

¹ Due to methodological changes in 2000, and methodological changes and revisions in 2003, data are not strictly comparable to data for previous years.

² Including self-employed.

³ Including self-employed. Due to methodological changes and data revisions in 2003 for the manufacturing industries, data for these years are not strictly comparable to data for previous years.

Source: Statistics Canada. All italicised figures are Industry Canada estimates.

See Sources and Technical Notes for more details.

**Growth in ICT Sector Employment, 2002-2011
(Manufacturing and Services)**

<i>NAICS 2002</i>	<i>Industry</i>	<i>% Change 2010-2011</i>	<i>% Change 2002-2011</i>	<i>CAGR 2002-2011</i>
33331	Commercial and Service Industry Machinery Mfg ¹	4.4%	18.9%	1.9%
33411	Computer and Peripheral Equipment Mfg ¹	3.4%	-44.7%	-6.4%
33421	Telephone Apparatus Mfg (Wired Communications Equipment) ¹	-8.9%	-93.8%	-26.6%
33422	Radio and Television Broadcasting and Wireless Communications Equipment Mfg ¹	-2.2%	51.8%	4.8%
33431	Audio and Video Equipment Mfg ¹	-0.4%	2.0%	0.2%
33441	Semiconductor and Other Electronic Component Mfg ¹	3.3%	-35.8%	-4.8%
33451	Navigational, Measuring, Medical and Control Instruments Mfg ¹	-5.0%	-10.8%	-1.3%
33592	Communication and Energy Wire and Cable Mfg ¹	-1.4%	-49.2%	-7.3%
	Total ICT Manufacturing ¹	-0.4%	-20.0%	-2.4%
51121	Software Publishers ²	-0.2%	26.6%	2.7%
517	Communications Services	1.2%	-3.1%	-0.4%
51821	Data Processing, Hosting and Related Services ²	0.1%	25.3%	2.5%
54151	Computer Systems Design and Related Services ²	-1.0%	11.9%	1.3%
	Total ICT Services ²	-0.3%	8.4%	0.9%
4173	Computer and Communications Equipment and Supplies Wholesaler-Distributors	-1.7%	2.3%	0.3%
41791	Office and Store Machinery and Equipment Wholesaler-Distributors	0.5%	-20.2%	-2.5%
	Total ICT Wholesaling	-1.1%	-4.8%	-0.5%
	Total ICT Sector ¹	-0.4%	1.3%	0.1%
	TOTAL EMPLOYMENT in CANADA (including self-employed)	1.6%	13.1%	1.4%

¹ Due to methodological changes in 2000, and methodological changes and revisions in 2003, data are not strictly comparable to data for previous years.

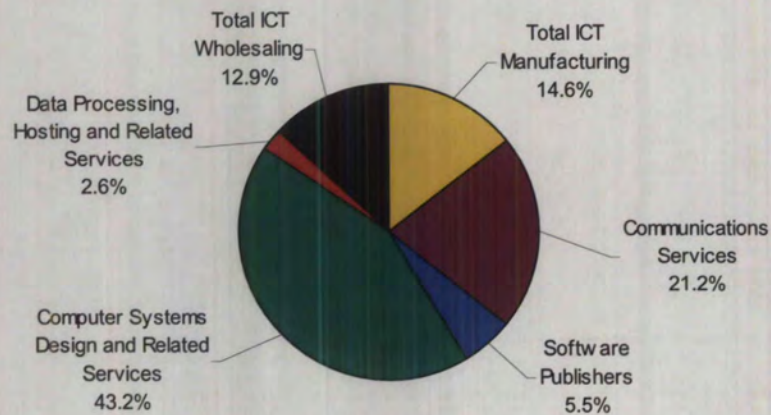
² Including self-employed.

³ Including self-employed. Due to methodological changes and data revisions in 2003 for the manufacturing industries, data for these years are not strictly comparable.

Source: Statistics Canada. All italicised figures are Industry Canada estimates.

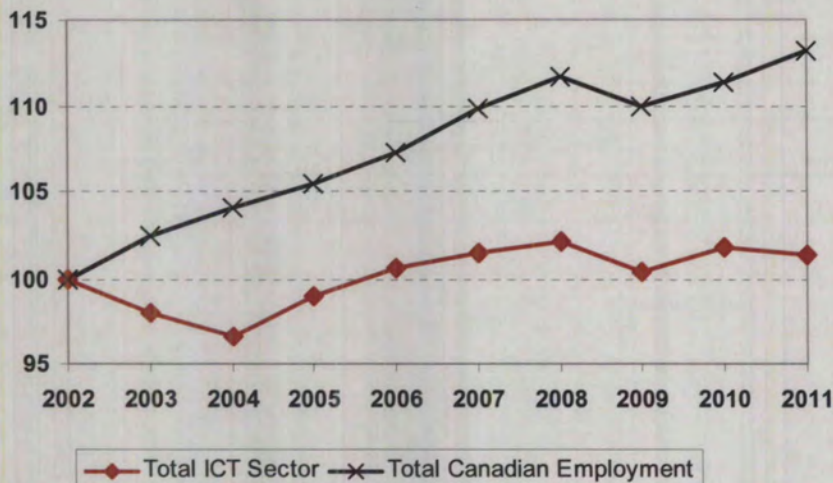
See Sources and Technical Notes for more details.

**Distribution of Employment by ICT Industry,
2011 (Total: 555,978 Workers)***

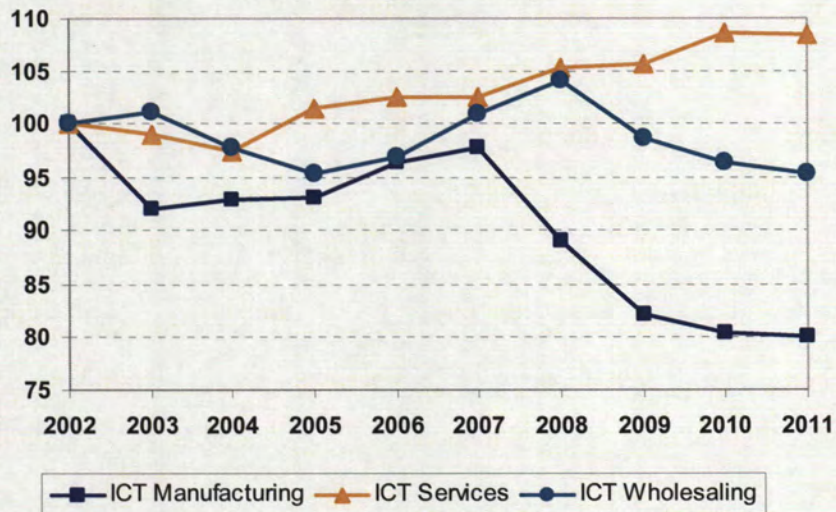


* Industry Canada estimate based on Statistics Canada data (including self-employed).

**Indexed Growth in Employment for the ICT Sector
and the Canadian Economy, 2002-2011 (2002=100)**



***Indexed Growth in Employment by ICT Segment,
2002-2011 (2002=100)***



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Information and communications technologies (ICT) ICT sector employees

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