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## Essential Skills and Apprenticeship

# Essential Skills for Success as an Industrial Electrician

Industrial electricians use Essential Skills to complete trade-related tasks. Use this fact sheet to:

- learn how Essential Skills are used on the job;
- find out the skills you need to succeed in your trade; and
- help prepare yourself for your career.



Industrial Electrician

## Reading



- Read notices and Material Safety Data Sheets (MSDS) about health and safety policies.
- Read emails from supervisors and co-workers that include information about work to be done and malfunctions that require troubleshooting.
- Read manuals to install, maintain and repair equipment.
- Read, understand and interpret the Canadian Electrical Code for information on regulations to apply to job site situations.

## Document Use



- Read meters and digital readouts to record the number of hours equipment has been operating at the time of maintenance.
- Identify Workplace Hazardous Materials Information System (WHMIS) labels on materials.
- Interpret diagrams to determine where to drill holes to mount panels on a wall.
- Read information from icons, lights, numbers and short text entries on equipment display panels.
- Take information from pre-maintenance work orders to determine the location and type of work to be completed.
- Scan tables in the Canadian Electrical Code for specifications.
- Examine construction drawings to plan the routing of electrical and control wiring when installing new equipment.
- Interpret schematic drawings to troubleshoot and repair equipment.





