

# Careers in the Supply Chain

## Engineering Technician

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### National Occupational Classification Code – 2233

Alternative Titles:

- industrial engineering technician
- industrial engineering technologist
- manufacturing technician
- manufacturing technologist
- planning technician, textile technologist
- quality assurance technologist
- scheduling technician, manufacturing
- time study analyst



## Industry Description

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Engineering 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 in other industries.

## General Job Description

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Engineering Technicians perform work measurement and process improvement analysis.

## Job Functions

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Engineering Technicians perform some or all of the following duties:

- Complete observations in all areas of the operation.
- Perform work measurement in all areas of the operation.
- Guide Engineering Technician assistant in data collection.
- Provide operations with productivity goals and explanation of methodology used to obtain the numbers.
- Determine job-setup changes or process changes that will improve the productivity of each area of the operation.
- Assist operations with implementing process improvements (determined by self or others).
- Update work measurement to reflect improved process flows and changes specific to site.

## Physical Demands Analysis

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- Engineering Technicians deal with client information and specific business objectives and financial information of the company.
- Must handle multitasking and deliver a high-standard quality of work within the time target established.
- Frequent requirement for attention to detail and prolonged used of computer terminal equipment.
- Work in a typical office environment with regular exposure to the warehouse: operating environment, temperature variations, under conditions of minor risk of injury and low physical effort.

## Position Expectations

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Essential Skills	
Reading Text	2
Document Use	3
Computation	2
Writing	3
Oral Communication	2
Thinking Skills	2
Working with Others	2
Computers	3
Continuous Learning	3

Scale: 0 = n/a, 1 = minimal, 2 = moderate, 3 = high

## Salary Range

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Visit Working in Canada, at <http://workingincanada.gc.ca/welcome.do?lang=en>, to get current information about this position, including salary information.

## Pre-employment Skills

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- 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 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 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.
- Post-secondary education in business, logistics, engineering or project management.
- Detail-oriented. Proficient in handling spreadsheets (Excel) and databases.
- Experience in warehousing logistics environment, support services or quality assurance, or additional post-secondary studies.

Find information about supply chain-related educational offerings across Canada in the CSCSC's education compendium, at <http://www.supplychaincanada.org/en/education-information>.

## Career Levels/Years of Experience

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Career Levels	Position	Average Experience	
		From	To
5	Vice President	7 years	10 years+
4	Director	5 years +	6 years
3	Manager	4 years +	5 years+
2	Manager Trainee	3 years	4 years
1	Engineering Technician	2 years +	3 years +

## References

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- NOC (National Occupational Classification Codes), Government of Canada – <http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Welcome.aspx>
- Essential Skills – <http://www.hrsdc.gc.ca/eng/workplaceskills/LES/index.shtml>