

DUTIES

Reading Text
Document Use
Measurements &
Calculations
Problem Solving
Read Blueprints

SKILLS

- Develop engineering designs and drawings from preliminary concepts and sketches
- Prepare construction specifications, cost and material estimates, project schedules and reports
- Supervise data collection, conducting field surveys, inspections or technical investigations of infrastructure systems, buildings and structures.
- Conduct or supervise inspection and testing of construction materials
- Assist in developing engineering specifications and drawings

EDUCATION

- A high school diploma is required
- 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 the association of professional engineers is required to approve drawings, and create reports



MUNICIPAL ENGINEER

Municipal Engineers perform engineering duties in planning, designing, supervising construction, maintenance of structures and facilities such as roads, railways, airports, bridges, dams, pipelines, power plants, water and sewer system. Municipal Engineers typically work for municipalities, cities or townships.

Program:

Civil Engineering is a broad branch of engineering and you are free to specialize in area of Civil Engineering such as structures, hydraulics and eco-hydraulics, transportation systems, flood forecasting, urban storm water management, waste water treatment, water supply, construction management, bio-engineering and many more. You can also enhance your degree in water resources, environmental engineering and bio-mechanics.

Colleges :

- McMASTER UNIVERSITY-CIVIL ENGINEERING
- RYERSON UNIVERSITY-CIVIL ENGINEERING
- UNIVERSITY OF TORONTO-CIVIL ENGINEERING
- UNIVERSITY OF TORONTO-CIVIL ENGINEERING
- UNIVERSITY OF TORONTO-CIVIL ENGINEERING
- UNIVERSITY OF WESTERN ONTARIO-CIVIL ENGINEERING

HAND ASSOCIATION

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