



# CIVIL ENGINEERING TECHNOLOGIST

**Civil Engineering Technologists complete research, design, construction and maintenance of projects such as houses, roads, bridges, dams and water supply systems. They estimate costs and prepare specifications for materials, inspect civil engineering works, ensuring finished works are within specifications, contract terms and regulations.**

## **Program:**

In the Civil Engineering Technology program, you gain an education in civil engineering theory, combined with practical work in laboratories and in the field. You become familiar with the structural properties of timber, steel, masonry and concrete and study the design of roads, buildings, structures water distribution and sewage and drainage systems. Technical communication is covered in this course.

## **Colleges :**

- CONESTOGA COLLEGE-CIVIL ENGINEERING TECHNOLOGY
- FANSHAWE COLLEGE-CIVIL ENGINEERING TECHNOLOGY
- MOHAWK COLLEGE-CIVIL ENGINEERING TECHNOLOGY
- SENECA COLLEGE-CIVIL ENGINEERING TECHNOLOGY



## N.O.C. 2231

### DUTIES

Reading Text  
Document Use  
Measurements &  
Calculations Problem Solving  
Critical Thinking  
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
- Completion of a 3 year college program in civil engineering technology or a closely related discipline
- Certification in civil engineering technology is available through OACETT and may be required

## HAND ASSOCIATION

370 York Blvd, Unit 104

Hamilton, On

L8R 3L1