

CIVIL ENGINEERING TECHNOLOGIST

DESCRIPTION

Assist Civil Engineers in the overall safety to society by research, design, and maintenance of projects. If you want to work in this exciting and essential career you will assist in estimating costs, prepare specs for materials and delivery and equipment needed.

SKILLS

- Ability to work as a team, communicating technical information in an organized manner
- Ability to work within a time line and deal with unexpected situations effectively
- Good oral and communication skills

DUTIES

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

EDUCATION

- **Completion of a three-year college program in civil engineering technology or a closely related discipline**
- Certification in civil engineering 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

RELATED PATHWAY OPTIONS

Civil Engineer
Estimator
CAD Technician

SALARY RANGE \$45,000 to \$100,000

VISIT WWW.MYOCCA.CA FOR MORE CAREERS IN CONSTRUCTION

WHERE TO TRAIN

N/A

EDUCATION OPTIONS

CARLTON UNIVERSITY CIVIL ENGINEERING

UNIVERSITY OF WESTERN ONTARIO

LAKEHEAD UNIVERSITY CIVIL ENGINEERING

CIVIL ENGINEERING UNIVERSITY OF WINDSOR

MCMASTER UNIVERSITY CIVIL ENGINEERING

UNIVERSITY OF OTTAWA CIVIL ENGINEERING

RYERSON UNIVERSITY CIVIL ENGINEERING

UNIVERSITY OF WATERLOO CIVIL ENGINEERING

UNIVERSITY OF TORONTO CIVIL ENGINEERING

GETTING STARTED

THE OCCA CAN HELP YOU EXPLORE THESE THREE PATHWAYS:

1

You can begin by applying for a job directly in the Construction Industry. Once you begin working with a Construction Company or Contractor you will quickly gain the necessary skills needed to advance yourself through in-house, work-as-you-learn training.

2

You can get started through an apprenticeship program by combining on the job training with technical in-class training, gaining experience and increased responsibility. You can work in the industry, get paid, and work towards earning credits .

3

You can enroll in a University, Community College or a Private Technical School to study and prepare yourself for a Career in Construction. All of this information may be found through our website.

