

SURVEYOR

N.O.C. 2154



DESCRIPTION:

Land surveyors plan, direct and conduct legal surveys to establish the location of real property boundaries, contours and other natural or human-made features, and prepare and maintain cross-sectional drawings, plans, records and documents related to these surveys. They also analyze engineering plans, survey data, photographs, computer and other info. They stake boundaries and underground facilities, documenting data as directed. They are employed by governments, private sector land surveying establishments, engineering and construction firms, or they may be self-employed.

ONE OUT OF EVERY 17 CANADIAN WORKERS

EARN A LIVING IN CONSTRUCTION

SKILLS

- Excellent communication skills for maintaining relationships with employees and public
- Knowledge of GPS equipment, transit, theodolite, level, and other equipment
- Knowledge of mathematics to complete surveying calculations
- Ability to read blueprints, maps, plans and layout sheets and keep legible survey notes

DUTIES

- Help to develop survey plans, methods and procedures for conducting legal surveys
- Conduct surveys to establish and mark legal boundaries of different land masses, roadways and highways
- Survey and layout subdivisions for rural and urban development
- Determine precise locations using electronic distance measuring equipment and GPS
- Assist in locating property corners, section corners, and other structures
- Set up and operate level, transit and distance meter and record all measurements

EDUCATION

- Completion of a post-secondary program related to Geomatics/Civil Engineering
- Completion of High School
- Experience in the construction industry is an asset

SALARY RANGE:

50,000 TO 100,000+

Visit www.constructU.ca and take our career survey. To construct U!

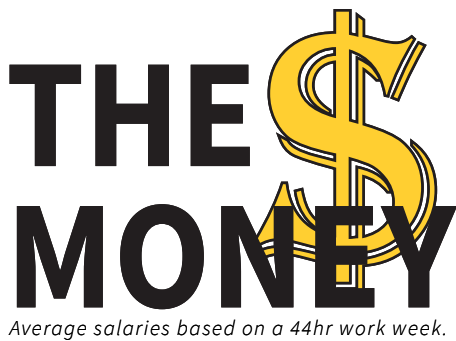
PROGRAM DESCRIPTION:

THE COURSE COVERS BASICS IN GEOMATICS, SURVEYING AND MAPPING, NAVIGATION, SENSORS, AND MEASUREMENTS TO ASSIST IN BUILDING A STRONG FOUNDATION IN THE DISCIPLINE. IN THIRD AND FOURTH YEAR, YOU WILL TAKE GEODESY, ADVANCED SURVEYING, GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS), MEASUREMENT THEORY AND ESTIMATION, GEOGRAPHIC INFORMATION SYSTEMS (GIS), REMOTE SENSING AND PHOTOMETRY, SURVEY LAW AND LAND REGISTRATION SYSTEMS, ADVANCED 3D TECHNIQUES, MOBILE GIS AND LOCATION-BASED SERVICES, SENSOR INTEGRATION AND ADVANCED FIELD SURVEYS COURSES. YOU WILL USE ADVANCED STATE OF THE-ART INSTRUMENTS WHILE PUTTING YOUR PROFESSIONAL SKILLS TO THE TEST.

WHERE TO STUDY IN ONTARIO:

YORK UNIVERSITY-EARTH SCIENCE & GEOMATICS
WESTERN UNIVERSITY GEOMATICS
WILFRID LAURIER UNIVERSITY GEOMATICS
NIPPISSING UNIVERSITY GEOMATICS

CARLETON UNIVERSITY GEOMATICS
BROCK UNIVERSITY GEOMATICS
RYERSON UNIVERSITY GEOMATICS
UNIVERSITY OF WATERLOO GEOMATICS



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| Sheet Metal Worker | 58,000 | 84,000 |
| Site Superintendent | 63,000 | 125,000+ |
| Surveyor | 50,000 | 100,000+ |
| Technical Sales Rep. | 45,000 | 125,000+ |
| Truck Driver | 45,000 | 86,500 |
| Quality Control Officer | 50,000 | 100,000+ |
| Welder | 45,000 | 75,000 |

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 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.
- 3** 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.

IF YOU ARE INTERESTED IN A CAREER IN CONSTRUCTION PLEASE CONTACT:
info@myOCCA.ca

www.myocca.ca
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OCCA

Ontario Construction Careers Alliance