

#### **PROGRAM DESCRIPTION**

- Loyalist's well-rounded program combines classroom instruction, hands-on learning in the field, and lab work in our state-of-the-art Building Sciences Lab
- Get a strong foundation in surveying and drafting principles and computer applications including AutoCAD
- Second-year students gain skills in highway design, structural drafting, materials testing, municipal water and sewer systems, and estimating. Students produce surveys in the field with sophisticated GPS equipment
- The third year emphasizes design, structural components in steel and concrete, and the behaviour of fluids in open and closed conduits. Students learn supervisory techniques, and produce a technical report similar to the one required for professional certification

#### **APPROXIMATE COSTS (2013-2014)**

Domestic Tuition/Ancillary Fees: \$3,659 (two semesters) Consumables Fee: \$80 (Year One) Books and Supplies: \$1,500

#### **ADMISSION REQUIREMENTS**

#### **Required Academic Preparation**

- OSSD/OSSGD or equivalent with courses at the general, advanced, (C), (U) or (M) level, and
- Grade 12 English (C) level or equivalent OR
- Mature applicant (see loyalistcollege.com)

#### **Recommended Academic Preparation**

- Math MCT 4C
- MCF 3M

#### **DIPLOMA TO DEGREE OPTIONS**

Earn credit recognition at these institutions, or contact your university of choice to make individual arrangements. New agreements are added annually; visit loyalistcollege.com for the latest details.

#### Two or Three-Year Diploma

Algoma University College Athabasca University Davenport University Griffith University – Bachelor of Engineering

#### **Three-Year Diploma**

Lakehead University – Bachelor of Engineering
Laurentian University – Bachelor of Science in Liberal Science
McMaster University – Bachelor of Technology Civil Engineering
Infrastructure Technology
University of Ontario Institute of Technology – Nuclear Power Bridge

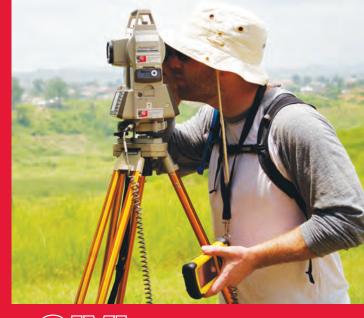


#### LOYALIST COLLEGE

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# CIVIL ENGINEERING





## CIVIL ENGINEERING TECHNICIAN/TECHNOLOGIST



Contact: civl@loyalistc.on.ca

#### **PROGRAM LENGTH**

Two-Year Ontario College Diploma (Technician)
Three-Year Ontario College Advanced Diploma (Technologist)

#### **HIGHLIGHTS**

- Skilled professionals in heavy construction and infrastructure rehabilitation are in high demand
- · Work inside, outdoors, or a combination of both
- · Get experience with current technologies and equipment
- A common first year allows easy transfer to the Survey Technician program (with some additional courses) or Construction Engineering
- Get an edge with the academic requirements for professional certification

#### **CAREER OPPORTUNITIES**

Loyalist grads are hired by consulting engineering firms, contractors, fabricators, municipalities and cities, and federal and provincial agencies. You could work in high-demand areas such as:

- Structural (superstructure) design, construction and rehabilitation
- Geotechnical (foundation) design, material testing, inspection and site supervision
- Municipal water supply (filtration and distribution systems) and sewage disposal (treatment and collection systems)
- Transportation roads and highways

Some employment opportunities require certification through the Ontario Association of Certified Engineering Technicians and Technologists.

- A diploma from Loyalist satisfies all the academic requirements for OACETT certification
- Additional requirements include work experience, peer references, a Professional Practice Examination and submission of a technology report (for Technologist graduates) to OACETT



### OUR GRADS GET GREAT JOBS

Augusta Township – Public Works Manager City of Belleville – Building Inspector Highway Construction Inspection Ontario – Highway Inspector Cornerstone Builders – Estimator

Bell Canada – Network Coordinator

Percentage of grads working:\* 100% Average starting salary:† \$40,000 - \$44,999

\*2011-12 three-year program. KPI Survey 2012 (Forum Research Inc. for Ministry of Training, College and Universities)

\*\*Source: Employment Profile 2012 Provincial Report (Ministry of Training, Colleges and Universities)

