



PROGRAM DESCRIPTION

- Programmable Logic Controllers (PLCs) make it possible for technicians at a computer to control events on the factory floor. To succeed in today's industrial environment, graduates need a combination of mechanical and electronic expertise
- Loyalist's program offers many opportunities for computer-based design, including AutoCAD, PLC programming, Autodesk Inventor (CAD-based mechanical design) and CAD/CAM
- Students gain a solid understanding of machine design, tool control and development, numerical control programming and statistical quality control
- The positive learning environment includes well-lit, roomy labs with a brand new CNC turning machine, brand new CNC milling machine, new engine lathes and design simulation software

APPROXIMATE COSTS (2013-2014)

Domestic Tuition/Ancillary Fees: \$3,659 (two semesters)

Consumables Fee: \$1

Books and Supplies: \$1,450

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

- Grade 12 Mathematics
- Courses in CADD, Chemistry, Manufacturing, Welding and Computers

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.

Algoma University College
Davenport University
Griffith University
Laurentian University
University of Ontario Institute of Technology

LOYALIST

LOYALIST COLLEGE

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MANU MANUFACTURING ENGINEERING TECHNICIAN



MANUFACTURING ENGINEERING TECHNICIAN



Contact: mech@loyalistc.on.ca

PROGRAM LENGTH

Two-Year Ontario College Diploma

HIGHLIGHTS

- The manufacturing sector accounts for one in five jobs in Ontario; employers need skilled worker to compete globally
- Invest in your future with a strong combination of mechanical and electronic skills
- Entry-level salaries range from the mid-\$30,000s to over \$40,000
- Earn a certificate in Mechanical Techniques after one year of study
- Enjoy using leading-edge industry tools and technologies in Loyalist's well-equipped labs including the latest CNC mills, lathes with automated tool changing technology, and 3D printing equipment

CAREER OPPORTUNITIES

- Graduates are employed as maintenance planners, performance lab coordinators, design verification technicians, CNC programmers, CAD technicians, buyers, and quality control and continuous improvement technicians
- You could work in a variety of industries, from large machine shops to large manufacturing, design/build facilities and food processing
- Graduates are also involved in fabrication and improvement of PLC-based equipment



OUR GRADS GET GREAT JOBS

Atomic Energy of Canada Ltd.

– Field Fabrication Specialist

Billet Precision – Machinist

Beclawat Manufacturing – Engineering Technician

Transformix Engineering – CNC Operator

St. Lawrence Cement – Quality Control

Sciens Industries – General Machinist

Indsale Ltd.

– Coating Operator/Manufacturing Technician

Average starting salary:† \$40,000 - \$44,999

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

