



CREDENTIAL

Ontario College
Certificate

PROGRAM CODE

Fall: 0394

AREA OF INTEREST

Skilled Trades

LOCATION

Thunder Bay

DURATION

34-week

Overview

Like working with your hands and love the idea of learning a trade, but not quite sure where to start? Confederation College's Mechanical Techniques certificate program lets you try different trades to see what you might like best.

Mechanical Techniques Ontario College Certificate program combines in-class learning with practical demonstrations and hands-on instruction. You start building in the first semester, taking your new skills and using them to design and create assigned projects. Topics include mechanical practices, machine shop, welding practices, engineering graphics and industrial design. Not only will you start developing skills in all areas of trades, you'll quickly learn what area of skilled trades appeals to you most.



Top Highlights

- Course follows the first year of the Mechanical Engineering Technician program, so you can transfer into Year 2 of that program after completion of this certificate
- Program stresses multi-skills learning, which many employers are looking for today
- Combines class work with hands-on learning to improve your skills



Employment Opportunities

Graduates of the Mechanical Techniques program go on to entry-level positions in various trades including Millwright, Industrial Mechanic, Machinist, pipe fitting, plumbing, Welder/Fitter and Sheet Metal Worker



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Mechanical Techniques

Admission Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

Required Courses

Grade 11 MCF3M Functions and Applications or MCR3U Functions or Grade 12 MAP4C Foundations for College Math or MCT4C Mathematics for College Technology or University Preparation.

Alternative Pathways

Applicants who do not possess the Math requirement might consider our Pre-Technology-Trades program, which will provide the necessary preparation to enter a technology program.

First Semester

CS 050 College Writing
MA 115 Applied Math for Technology 1
MC 165 Microsoft Office
MX 111 Engineering Graphics
MX 121 Mechanical Practices
MX 131 Machine Shop I
MX 141 Welding Practices I
SC 110 Pre-Tech Physics I

Second Semester

GE General Elective
MA 215 Applied Math for Technology II
MX 231 Machine Shop II
MX 241 Welding Practices II
MX 261 Power Transmission I
MX 271 Industrial Design I
MX 460 Introduction to Electricity
SC 210 Pre-Tech Physics II

Note: to continue into the Mechanical Engineering Technician program from the Mechanical Techniques program, students must take MA 231 in the spring semester, or the online equivalent OL 895.



Have questions? Want to apply?
Contact recruitment@confederationcollege.ca

