



**CREDENTIAL**

Ontario College Certificate

**PROGRAM CODE**

Fall: O375

**AREA OF INTEREST**

Skilled Trades

**LOCATION**

Thunder Bay

**DURATION**

32-week

## Overview

Take your career into your own hands with a trade that is in high demand. You'll learn all the basics of conventional and new welding techniques, watching yourself progress as your projects come to life. After graduation and certification, you'll be ready to work in almost any industry you want, almost anywhere you want!

Confederation College's Welding Techniques certificate program gives you the knowledge and hands-on experience you need to get a start in this exciting and in-demand field. Using our conventional and state-of-the-art welding power sources, you'll get practical experience in various welding techniques. You'll also get the shop instruction required to work towards your four position Canadian Welding Bureau (CWB) certification – flat, horizontal, vertical, and overhead – that most employers use as the standard for employment. Courses include basic arc welding, blueprint reading, pipe to plate, T-joints, basic metallurgy, pressure plate, and advanced welding.



### Top Highlights

- Get hands-on training with our conventional and state-of-the-art welding equipment
- Program prepares you for your CWB certification, the standard for employment for most shops
- Personalized instruction provides plenty of opportunity for one-on-one learning
- Program meets industrial standards, principles, practices, and trade disciplines of today's job market



### Employment Opportunities

Graduates of the Welding Techniques program go on to entry-level roles in various positions and industries including construction trades, Ironworker Welder, Boilermaker Welder, Millwright Welder, Carpenter Welder, Maintenance Welder, heavy equipment repair, Forestry Welder, Transportation Welder, Sheet Metal Welder and Mining Welder. This in-demand skill is applicable in many different industries, and may be combined with other Skilled Trades to expand your skill set and ultimately give you a leg up at finding a good, well-paying job.



**Blair Bamford**  
**Program Coordinator**

(807) 475-6415

[blair.bamford@confederationcollege.ca](mailto:blair.bamford@confederationcollege.ca)



# Welding 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).

## Alternative Pathways

Students who do not meet the entrance requirements are encouraged to apply for the Pre Technology-Trades program to facilitate success in their technology path.

## First Semester

CS 030 Communications for the Trades  
WC 122 Basic Arc Welding  
WC 127 Blueprint Reading  
WC 128 Pipe to Plate  
WC 141 Welding Introduction  
WC 142 Oxy Fuel Welding and Cutting  
WC 143 T-Joints (Fillet Welds)

## Second Semester

WC 201 Advanced Welding  
WC 212 Pressure Plate  
WC 217 Basic Metallurgy  
WC 226 CWB Specifications  
WC 243 Blueprint Reading II



**Have questions? Want to apply?**

Contact [recruitment@confederationcollege.ca](mailto:recruitment@confederationcollege.ca)

