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[Welding Techniques](#)

[Ontario College Certificate](#)

[Program Code: WT111](#)

[Campus: North](#)

[Length: 2 semesters](#)

Humber's Welding Techniques certificate program is designed to help introduce prospective welders to the trade. The program aims to provide students with the skills and knowledge needed to enter the welding industry.

You will be exposed to topics including health and safety, blueprint reading and sketching, applied math, communication, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and gas tungsten arc welding (GTAW).

Upon completion, students are eligible to be tested for the Canadian Welding Bureau (CWB) certification. A separate fee applies for the CWB certification exam.

[Courses](#)

[Semester 1](#)

[TMTM 125: Essentials of Technical Mathematics](#)

[WELD 100: Trades Health and Safety](#)

[WELD 101: Thermal Cutting and Brazing](#)

[WELD 102: Blueprint Reading for Welders](#)

[WELD 103: Welding and Cutting Processes](#)

[WELD 104: Welding Shop 1 \(SMAW and GMAW\)](#)

[Semester 2](#)

[WELD 150: Metallurgy for Welding](#)

[WELD 153: Welding 2 \(Theory\)](#)

[WELD 154: Welding Shop 2 - GMAW/GTAW/FCAW](#)

[WRIT 108: English 1 for Skilled Trade Professionals](#)

[Admission Requirements](#)

Admission selection is based on the following 3 requirements:

[. Academic](#)

To be eligible for admission, you must possess the following:

Ontario Secondary School Diploma (OSSD) or equivalent including these required courses:

Grade 12 English (ENG4C or ENG4U or equivalent)

Grade 12 Mathematics (MAP4C, MCT4C, MDM4U, MCB4U, MGA4U, MCB4U, MHF4U or equivalent)

Two Grade 11 or Grade 12 C, M or U courses in addition to those listed above

or

Mature student status

or

College or university transfer status

[Mature Applicants](#)

[Diplomas and Certificates](#)

An applicant is considered a mature applicant if they have not completed secondary school or other postsecondary school, and wish to enter the workforce.

[Degrees](#)

An applicant is considered a mature applicant if they have not completed secondary school or attended postsecondary studies, and wish to enter the workforce.

[College Transfer Applicants](#)

[Diplomas and Certificates](#)

An applicant is considered a college transfer applicant if they have completed some or all of a college-level credential. Humber may accept credit for completed college-level courses.

[Degrees](#)

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[University Transfer Applicants](#)

[Diplomas and Certificates](#)

An applicant is considered a university transfer applicant if they have completed some or all of a university-level credential. Humber may accept credit for completed university-level courses.

[Degrees](#)

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[. English Language Proficiency](#)

All applicants whose first language is not English must meet Humber's English Language Proficiency Policy.

[. International Credit Evaluation](#)

Canadian citizens or permanent residents with international education are required to provide a credential evaluation. Note, for international students, a credential evaluation is required for admission.

[How to Apply](#)

Applications are made through ontariocolleges.ca. See program page for details.

[International Academic Equivalency](#)

Admission equivalencies for Humber depend on your country of study. Please see admission requirements on the program page for details.

[FAQs](#)