



NIAGARA COUNTY COMMUNITY COLLEGE

Welding Technology, A.A.S.

Overview

The Welding Technology curriculum includes coursework in welding that is designed to prepare the student for various welding certifications. In addition, the degree offers coursework in some of the soft skilled and tangible areas of liberal arts. The laboratory approach provides the student with ample opportunity to develop welding skill sets that are marketable in the workforce.

Careers

Careers related to your program of study:

- Pipefitter
- Production Manager
- Welder
- Welding Manager
- Welding Procurement
- Welding Sales

Contact

Program Coordinator

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Division

Business & STEM

716-614-6410

Visit full catalog for specific course offerings for each semester:

www.niagaracc.suny.edu/programs/weld

The Welding Technology program is designed in conjunction with Orleans/Niagara BOCES programming.

The state-of-the-art welding facilities and equipment at the Niagara BOCES campus are used for all welding instruction. The two campuses (NCCC and BOCES) are in close proximity being next door to each other. Commuting between the two campuses is well under one mile.

The information provided is subject to change throughout the academic year.

Program Requirements

First Semester

	Credits
Health/Physical Education elective	1
TEC 105 - Basic Skills for Technology	3
WLD 100 - Introduction to Welding and Blueprints	3
WLD 110/L - Electrical Arc Welding Process w/ Lab	4
WLD 120/L - Thermal Cutting w/ Lab	2
WLD 130/L - Welding Safety - OSHA w/ Lab	2
Total Credit Hours:	15 Cr.

Second Semester

ENG 101 - Writing I	3
MAT 110 - Intermediate Algebra	4
MET 125 - Processes	3
TEC 110 - Introduction to Technical Calculations	1
WLD 140/L - Gas Metal Arc Welding Processes w/ Lab	2
WLD 150 - Welding Metallurgy	3
Total Credit Hours:	16 Cr.

Third Semester

CHE 100 - Fundamentals of Chemistry	3
CHE 101L - Fundamentals of Chemistry Lab	1
ECO 102 - Microeconomics	3
WLD 210/L - Tig Welding Processes w/ Lab	3
WLD 220/L - Metal Fabrication w/ Lab	2
WLD 230/L - Welding Inspections and Quality Control w/ Lab	2
Total Credit Hours:	14 Cr.

Fourth Semester

ART 100 - Exploring the Arts	3
ENG 102 - Writing II & Introduction to Literature OR	
ENG 103 - Writing for STEM	3
WLD 240/L - Adv. Electric Arc Welding Processes w/ Lab	4
WLD 250/L - Welding Certification w/ Lab	4
WLD 260/L - Capstone Project w/ Lab	2
Total Credit Hours:	16 Cr.