WELDING TECHNOLOGY - ADVANCED WELDING, SHORT-TERM TECHNICAL CERTIFICATE

Curriculum Code #6011

Effective May 2026

Division of Engineering, Business and Information Technologies (http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/)

The welding short-term technical certificate recognizes the student who has completed a core group of welding courses. This collection of courses will provide the student with specialized knowledge and skills to be prepared for entry-level employment in a variety of industries that utilize advanced welding positions and processes. Students that excel in the program may be qualified to take certain welding certification tests. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

Preferred Sequence

Semester I		**Hours**
WTEC 108	OXY-FUEL WELDING AND CUTTING [1]	2
WTEC 111	WELDING SPECIFICATIONS/PRINT READING	2
WTEC 116	BASIC SHIELDED METAL ARC WELDING [1]	3
WTEC 216	WIRE FED PROCESSES [2]	3
	Hours	**10**
Semester II		
WTEC 212	WELDING FABRICATION, LAYOUT/DESIGN [2,3]	4
WTEC 217	GAS TUNGSTEN ARC WELDING [2]	3
WTEC 219	ADVANCED ARC WELDING	3
	Hours	**10**
	Total Hours	**20**

1. Indicates that this course requires a prerequisite or may be taken concurrently.
2. Indicates that this course requires a prerequisite.
3. Indicates that a student may substitute work-based learning (WTEC 287, WTEC 288, and/or WTEC 289) for the equivalent number of credit hours for this course.

Note: This program can be taken as part of the Boilermakers training program. Welding Technology (WTEC) courses should be taken under the subject code of Boilermakers (BMKR).

Program Contact(s):

Taylor Sabo
440-366-7029
tsabo@lorainccc.edu

For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/).

More program information can be found on our website. (https://www.lorainccc.edu/engineering/advanced-welding-short-term-technical-certificate/)

Credit for Prior Learning (PLA) options may be available for your program. For more information, please visit our website: www.lorainccc.edu/PLA (http://www.lorainccc.edu/PLA)

Program Learning Outcomes

1. Demonstrate an ability to weld using Oxi-fuel welding and cutting, wire fed processes, and gas tungsten arc welding techniques.
2. Demonstrate an ability in welding fabrication layout design.