



Welding Technology C.C.

Curriculum Code: 1356

Effective: Fall 2021 – Summer 2026

Description

This certificate is designed to provide the basic skills needed for entry-level welding. Students following this program will learn how to perform Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (MIG) and Gas Tungsten Arc Welding (TIG). Welders can be found in tool and die industries, automobile manufacturing, construction industries, oil refineries, pipeline and pressure vessel industries, aircraft industries, and many more metal-related industries. All of the coursework may be applied toward the Welding Technology, Certificate of Achievement and the Welding Technology, Associate in Applied Science Degree.

Additional Information

Students who have already completed DCTM 102, ELTE 102, HVAC 102, or METS 102 with a grade of 2.0 or higher may substitute one of these courses for WELD 102.

Contact Information

Contact the Center for Manufacturing Excellence at the West Campus Building, 5708 Cornerstone Drive, Lansing MI 48917, Room M103, telephone number 517-483-1104 or by [email](mailto:manufacturing@lcc.edu) (manufacturing@lcc.edu).

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
WELD 102	Industrial/Construction Safety	2 / 3
WELD 103	Combination Welding	4 / 6
WELD 105	Advanced ARC Welding	4 / 6
WELD 110	Gas Metal ARC Welding	4 / 6
WELD 111	Gas Tungsten ARC Welding	4 / 6

Total Credit Hours

18 credits / 27 billing hours

Recommended Course Sequence

Semester I	Semester II
WELD 102	WELD 105
WELD 103	WELD 111
WELD 110	