

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

**Curriculum Code: 1356
(Effective Fall 2018 –
Summer 2023)**

Welding Technology C.C. Pathway

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.

For More 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 at manufacturing@lcc.edu.

Semester I	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
<i>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.</i>			
WELD 102	Industrial/Construction Safety	Reading Level 3 and Writing Level 2	2 / 3
WELD 103	Combination Welding	Reading Level 3 and Writing Level 2	4 / 6
WELD 110	Gas Metal ARC Welding	Reading Level 3 and Writing Level 2	4 / 6
Credits			10 / 15
Semester II	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
WELD 105	Advanced ARC Welding	Minimum 2.0 in WELD 103 and Reading Level 3 and Writing Level 2	4 / 6
WELD 111	Gas Tungsten ARC Welding	Minimum 2.0 in (WELD 103 or AUTO 100 or AUTB 114) and Reading Level 3 and Writing Level 2	4 / 6
Credits			8 / 12
Total Credits			18 / 27