LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Welding Technology
Certificate of Completion

Curriculum Code: 1356 (Effective Fall 2017 – Summer 2022)

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.

PREREQUISITES

Students should see *Course Descriptions* for course prerequisite information. See *Academic Assessment and Placement Testing for Student Success* for skills assessment and advising information.

INFORMATION

Contact the Center for Manufacturing Excellence, West Campus Building, 5708 Cornerstone Drive, Lansing MI 48917, Room M103, telephone number (517) 483-1104 or by email at manufacturing@lcc.edu. View our website at http://www.lcc.edu/cme/ for more information.

REQUIREMENTS — TOTAL: 18 CREDITS

CODE	TITLE	CREDIT HOURS
WELD 102	Industrial/Construction Safety (See Note 1)	2
WELD 103	Combination Welding	4
WELD 105	Advanced ARC Welding	4
WELD 110	Gas Metal ARC Welding	4
WELD 111	Gas Tungsten ARC Welding	4
	MINIMUM TOTAL	**18**

NOTES:

1. 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.
2. To receive a certificate of completion from Lansing Community College, a student must maintain a grade point average of 2.0 or above in the courses required for the certificate.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students wishing to complete this certificate in less than four semesters, or students who for any reason are unable to follow the course sequence suggested below, should contact a program advisor for help with adjustments.

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