

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Welding Technology  
Certificate of Achievement

Curriculum Code: 0156 (Effective Fall 2011 – Summer 2016)

Students receive hands-on instruction in the basics of MIG, TIG, shielded metal arc, brazing and oxy-fuel cutting, and plasma cutting to prepare them for entry level positions.

### PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

### INFORMATION

Contact the Applied Manufacturing Technologies Program, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: [www.lcc.edu/manufacturing/welding/](http://www.lcc.edu/manufacturing/welding/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### REQUIREMENTS

CODE	TITLE	TOTAL: 31 CREDITS CREDIT HOURS
METM 190	Metallurgy and Heat Treatment	4
METS 140	Rigging (See Note 1)	3
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
WELD 120	Structural Fab & Inspection	4
WELD 125	Structural Blpt Reading/Weld	2
<b>MINIMUM TOTAL</b>		<b>31</b>

### NOTES:

1. Students who have already completed ELTE 102, HVAC 102, or METS 102 with a grade of 2.0 or higher may substitute one of these courses for WELD 102. Any of these four courses may also be used to fulfill the prerequisite for METS 140.
2. To receive a certificate of achievement 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 who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

I	II	III
WELD 102	METM 190	METS 140
WELD 103	WELD 105	WELD 120
WELD 110	WELD 111	WELD 125