LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Welding Technology
Certificate of Achievement

Curriculum Code: 0156 (Effective Fall 2017 – Summer 2022)

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* 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: 31 CREDITS

| CODE | TITLE | 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 125 | Structural Blpt Reading/Weld | 2 |
| WELD 220 | Structural Fab & Inspection | 4 |
| | **MINIMUM TOTAL** | **31** |

## 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. Any of these 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 | WELD 105 | METM 190 |
| WELD 103 | WELD 111 | METS 140 |
| WELD 110 | WELD 125 | WELD 220 |