



Welding Technology C.A.

Curriculum Code: 0156

Effective: Fall 2020 – Summer 2025

Description

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.

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. Any of these courses may also be used to fulfill the prerequisite for METS 140.

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
METM 190	Metallurgy and Heat Treatment	4 / 6
METS 140	Rigging	3 / 4.5
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
WELD 125	Structural Blpt Reading/ Weld	2 / 2
WELD 220	Structural Fab & Inspection	4 / 6

Total Credit Hours

31 credits / 45.5 billing hours

Recommended Course Sequence

Semester I	Semester II
WELD 102	WELD 105
WELD 103	WELD 111
WELD 110	WELD 125

Semester III
METM 190
METS 140
WELD 220