

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

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

Welding Technology C.A. Pathway

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. Any of these courses may also be used to fulfill the prerequisite for METS 140.</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
WELD 125	Structural Blpt Reading/Weld	Reading Level 3 and Writing Level 2 and Math Level 4	2 / 2
Credits			10 / 14

Semester III	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
METM 190	Metallurgy and Heat Treatment	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
METS 140	Rigging	Minimum 2.0 in (METS 102 or DCTM 102 or ELTE 102 or HVAC 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 4	3 / 4.5
WELD 220	Structural Fab & Inspection	Minimum 2.5 in (WELD 105 and WELD 110 and WELD 125) and Reading Level 3 and Writing Level 2 and Math Level 4	4 / 6
Credits			11 / 16.5
Total Credits			31 / 45.5