

Occupational Certificate Academic Degree Map

Welding Technology Level I - Certificate A 2026-2027

This is a suggested sequence of classes based on the average student load and course prerequisites. Not all courses are offered every semester. Milestones, courses, and special requirements necessary for timely progress to complete an area of study are noted. Missing any of these could delay completion of the program. Consult with your advisor for more information.

*Corequisite Course (if needed, must be taken with college level required course)		
(ENG098 +ENG176), (MTH078 +MTH178), (MTH081 + MTH181)		
ENG098	Support for English Composition I	2 cr hrs
MTH078	Support for College Algebra	2 cr hrs
MTH081	Support for Elementary Statistics	2 cr hrs

1ST SEMESTER		
Course	Hrs	Milestones/Notes
WLD136 Industrial Safety and OSHA 10	1	
WLD112 Oxy-Acetylene Welding & Cutting Processes	3	
WLD111 Blueprint Reading & Welding Symbols	2	
WLD110 Material Handling & Plant Layout	1	
TOTAL	7	

*Area of Study: A minimum of 12 hrs must be taken from the courses listed below (in prerequisite order)					
SMAW	Hrs	GMAW	Hrs	GTAW	Hrs
WLD104 Shielded Metal Arc Welding I (SMAW I)	3	WLD114 Gas Metal Arc Welding I (GMAW I)	3	WLD115 Gas Tungsten Arc Welding I (GTAW I)	3
WLD204 Shielded Metal Arc Welding II (SMAW II)	3	WLD214 Gas Metal Arc Welding II (GMAW II)	3	WLD215 Gas Tungsten Arc Welding II (GTAW II)	3
Certificate Total:					19

Effective Fall 2026