

Welding

Award Granted Upon Completion: Certificate

Credits Required: 33

Contacts Required: 45

Program Description

This program provides the student with specialized classroom and shop experiences concerned with all types of metal welding, brazing, and flame cutting. Students are required to purchase safety glasses, gloves, cutting goggles, leather boots, helmet, striker, pliers, tip cleaners, and wear denim type clothing or overalls.

Types of Jobs: The Certificate Program provides individuals with a wide array of skills applicable to construction welding, ship building, fitting, and industrial and production welding.

General Education Requirements

None

Program Requirements

WE 110, WE 120, WE 220, MT 101, MA 102, WE 210, WE 260, TE 105, MT 100.

Suggested Sequence Per Semester

First Semester

WE 110	Intro. to Oxygen-Acetylene Welding	3/4
WE 120	Basic Arc Welding	4/6
WE 220	Gas Metal Arc Welding (MIG)	4/6
MT 101	Blueprint Reading	2/3
MA 102	Introduction to Tech Math	4/4
	Total	17/23

Second Semester

WE 210	Advanced Arc Welding	4/6
WE 260	Gas Tungsten Arc Welding	4/6
TE 105	Materials of Industry	4/4
MT 100	Basic Machine Tool Operation	4/6
	Total	16/22

Note: The following classes are not part of the certificate degree but are offered for those who are interested in pursuing a career in the pipe welding field.

WE 240 Basic Pipe Welding 4 (2-4)
WE 280 Advanced Pipe Welding 4 (2-4)