

Welding

2018-2019 Catalog

Award Granted Upon Completion: Certificate in Welding

Credits/Contacts Required: **33/45**

Major code: 04/485

CIP Code: 480508

Description

This program provides the student with specialized classroom and shop experiences concerned with all types of metal welding, brazing, and flame cutting. The Certificate Program provides individuals with a wide array of skills applicable to construction welding, ship building, fitting, and industrial and production welding.

Equipment: Students are required to purchase safety glasses, gloves, cutting goggles, leather boots, helmet, striker, pliers, tip cleaners, and to wear overalls or denim type clothing.

General Education Requirements

None

Requirements – Min 33 credits

	<u>Cr</u>
MATH-102 Introduction to Technical Math	4
TECH-100 Basic Machine Tool Operation	4
TECH-101 Blueprint Reading	2
TECH-105 Materials of Industry	4
WELD-110 Introduction to Oxygen – Fuel Welding & Cutting	3
WELD-120 Arc Welding	4
WELD-210 Advanced Arc Welding	4
WELD-220 Gas Metal Arc Welding (MIG)	4
WELD-260 Gas Tungsten Arc Welding (TIG)	4

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

WELD-240 Basic Pipe Welding	4/6
WELD-280 Advanced Pipe Welding	4/6

Suggested Sequences Per Semester

	<u>Cr / Ct</u>
First Semester	
MATH-102 Introduction to Technical Math	4/4
TECH-101 Blueprint Reading	2/3
WELD-110 Introduction to Oxygen – Fuel Welding & Cutting	3/4
WELD-120 Arc Welding	4/6
WELD-220 Gas Metal Arc Welding (MIG)	4/6
	17/23
Second Semester	
TECH-100 Basic Machine Tool Operation	4/6
TECH-105 Materials of Industry	4/4
WELD-210 Advanced Arc Welding	4/6
WELD-260 Gas Tungsten Arc Welding (TIG)	4/6
	16/22

Bay De Noc Community College

Undergraduate certificate in Welding

Program Length: 12 months

[Print](#)

Students graduating on time

45% of Title IV students complete the program within 12 months [i](#)

Program Costs*

\$6,539 for in-state tuition and fees

\$12,434 for out-of-state tuition and fees

\$1,200 for books and supplies

[Other Costs](#)

[Visit website for more program cost information](#)

*The amounts shown above include costs for the entire program, assuming normal time to completion. Note that this information is subject to change.

Students Borrowing Money

The typical graduate leaves with

\$5,500 in debt [i](#)

The typical monthly loan payment

\$56 per month in student loans with an interest rate of **4.45%**. [i](#)

Graduates who got jobs

N/A* of program graduates got jobs

*We are not currently required to calculate a job placement rate for program completers.

Program graduates are employed in the following fields:

[Welders, Cutters, and Welder Fitters](#)

[Solderers and Brazers](#)

[Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders](#)

Licensure Requirements [i](#)

The following do not have licensure requirements for this profession:

Michigan

[Additional Information](#)

Date Created 2/28/2018

These disclosures are required by the U.S. Department of Education