

Welding

2017-2018 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

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

Students graduating on time

6% of Title IV students complete the program within 12 months¹

Program Costs*

\$6,738 for in-state tuition and fees

\$17,808 for out-of-state tuition and fees

\$1,200 for books and supplies

\$6,130 for off-campus room and board

\$6,130 for on-campus room and board

Other Costs:

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. Estimated cost: \$638

Visit website for more program cost information:

[/mybaybaycollege.edu/ics/portlet/view/Current_Students/Billing/Tuition_Fees/Default_Page.inz](http://mybaybaycollege.edu/ics/portlet/view/Current_Students/Billing/Tuition_Fees/Default_Page.inz)

*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

23% of students who attend this program borrow money to pay for it²

The typical graduate leaves with

N/A* in debt³

The typical monthly loan payment

N/A* per month in student loans with **N/A*** interest rate⁴.

The typical graduate earns

\$32,208 per year after leaving this program⁵

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: <http://onetonline.org/link/summary/51-4121.06>

Solderers and Brazers: <http://onetonline.org/link/summary/51-4121.07>

Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders: <http://onetonline.org/link/summary/51-4122.00>

Licensure Requirements⁶

*Program has no licensure requirements in any state.

Additional Information:

No additional notes provided.

Date Created: 4/7/2017

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

Footnotes:

- ¹ The share of students who completed the program within 100% of normal time (12 months).
- ² The share of students who borrowed Federal, private, and/or institutional loans to help pay for college.
- ³ The median debt of borrowers who completed this program. This debt includes federal, private, and institutional loans.
- ⁴ The median monthly loan payment for students who completed this program if it were repaid over ten years at a NA* interest rate.
- ⁵ The median earnings of program graduates who received Federal aid.
- ⁶ Some States require students to graduate from a state approved program in order to obtain a license to practice a profession in those States.
- ⁷ State Job Placement Rate: N/A
- ⁸ Accreditor Job Placement Rate: N/A