

WELDING/MAINTENANCE & FABRICATION

About the Welding Maintenance and Fabrication Program

This industry recognized credential provides the skills necessary to entry-level employment in the field. All competencies apply to the welding technical diploma degree.

PROGRAM OUTLINE

COURSE #	COURSE TITLE	CREDITS
1044211200	<u>Print Reading for Manufacturing</u>	4.00
10442112C01	Print Interpretation and Weld Symbols	1.00
10442112C02	Print Reading and Sketching	3.00
1044215800	<u>Shielded Metal Arc Welding</u>	2.00
10442158C01	Shielded Arc Welding on Carbon Steel	1.5
10442158C02	Shielded Arc Welding AWS Testing on Carbon Steel	0.5
1044215900	<u>Gas Metal Arc Welding</u>	3.00
10442159C01	Gas Metal Arc Welding on Carbon Steel	2.00
10442159C02	Gas Metal Arc Welding AWS Testing on Carbon Steel	1.00
1044216300	<u>Weld Inspection and Testing</u>	1.00
10442163C01	Weld Inspection and Testing	1.00
1044217200	<u>Safety in Manufacturing</u>	1.00
10442172C01	Workplace Safety	0.50
10442172C02	OSHA 10 Certification	0.25
10442172C03	Forklift Certification	0.25

COURSE #	COURSE TITLE	CREDITS
1044217300	Thermal Cutting	1.00
10442173C01	Thermal Cutting	1.00
1044217400	Advanced Gas Metal Arc Welding	3.00
10442174C01	Gas Metal Arc Welding-P on Stainless Steel	1.00
10442174C02	Gas Metal Arc Welding-P AWS Testing on Stainless Steel	0.5
10442174C03	Gas Metal Arc Welding-P on Aluminum	1.00
10442174C0	Gas Metal Arc Welding-P AWS Testing on Aluminum	0.5
3180430200	Applied Technical Mathematics	2.00
31804302C01	Geometry Skills	1.00
31804302C02	Math Skills	1.00

Total Credits: 17.00

Talk with an Academic Advisor about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

AT A GLANCE

Flexible Options



ON CAMPUS ONLINE CLASSES MULTIPLE START DATES PERSONALIZED PACE

2019 Start Dates

January 16	April 15	September 9
February 4	June 6	October 7
March 4	July 1	November 4
April 1	September 4	

2020 Start Dates

January 8	March 2	June 1
January 15	May 8	July 6
February 3	May 11	

What is Competency-Based Education?

Competency-Based Education (CBE) is learning at your own pace by mastering competencies through demonstration. Once all competencies for a program have been assessed and mastered, students will earn a certificate, diploma, or degree.

[LEARN MORE ABOUT CBE](#)

Approximate Cost

\$2,281*

*Based on 10-level courses - materials, books, and fees may be additional

Student Equipment

Students are required to purchase welding kits through the college bookstore or obtain the minimum tools and equipment listed to be able to successfully complete coursework and performance assessments in the welding lab.

- Safety glasses
- Welders gloves MIG and TIG
- Chipping hammer
- Welding beanie
- 8-way welder pliers
- Soapstone holder
- Triple flint spark lighter
- Tape measure
- Weld fillet gauge
- Mag tool
- Material handling gloves
- Backhand pad
- Tool bag
- Welder pencils
- Auto darkening helmet
- Lens cover
- Welding jacket

Your Potential Careers

- Welder
- Cutter
- Solderer
- Brazer

Get Started

Your application can be submitted online, it takes just a few minutes to complete.

[APPLY NOW](#)

