

Welding Program



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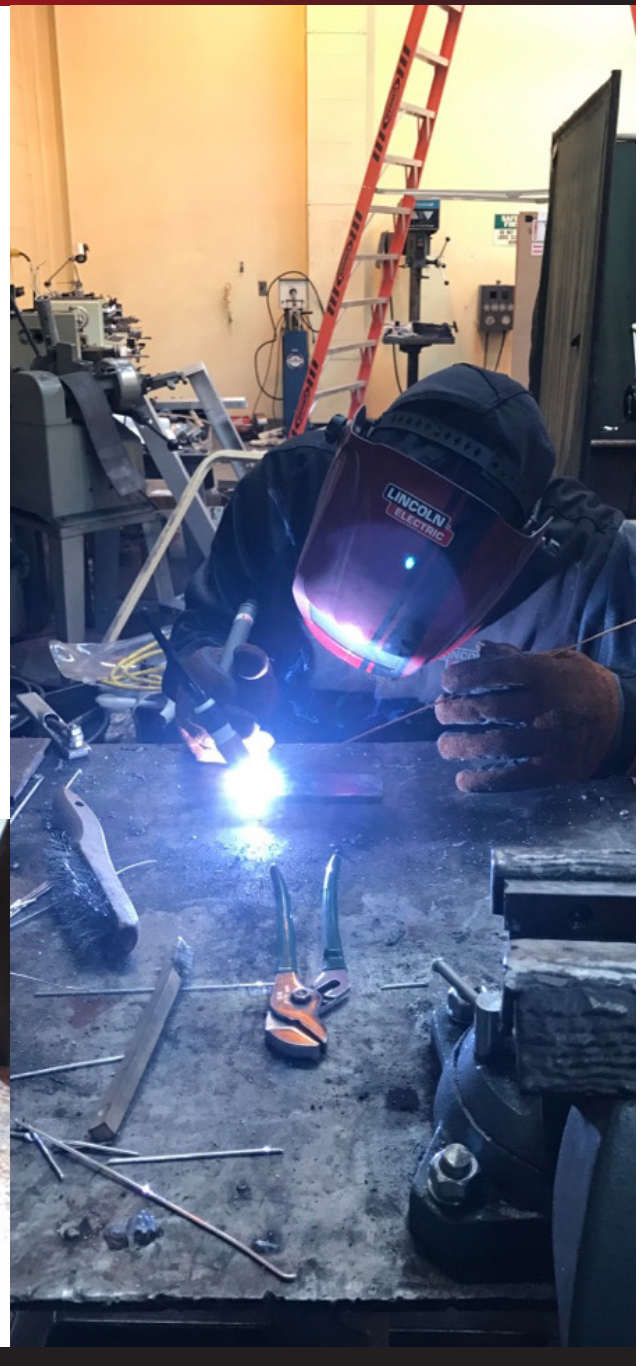
The Welding Program offers a two-year option in which the student will receive an Associate in Technical Studies Degree (ATS) in Welding, as well as a one-year option in which the student will receive a certificate in Welding.

The Welding program is designed to train welders for jobs relating to structural welding and fabrication applications. The program will provide the student with a strong foundation in the following fields: structural welding and fabrication, destructive and non-destructive weld testing techniques, and welding code compliance requirements.

In addition to welding skills, the program will require the student to complete coursework in the fields of print reading, machine tool operations (lathes, milling machines, drill presses, etc.) and technical mathematics.

This broad-based foundation will afford the students who successfully complete the program the opportunity to become productive employees for companies ranging from structural/fabrication welding shops to repair/rebuild machine shops.

Note: This degree is a direct pathway to a Bachelor of Science Degree in Industrial Technology.



Welding Program

Curriculum

Welding Certificate Program

Fall	Credit Hrs	Spring	Credit Hrs
MFG 10103 Basic Welding	3	MFG 22203 Basic Pipe Welding	3
MFG 10203 Basic GMAW Processes	3	MFG 12403 Manufacturing Processes	3
MFG 20103 Advanced Welding	3	MFG 23103 Advanced Pipe Welding	3
MFG 20203 Basic GTAW Processes	3	MFG 12103 Weld Test and Inspection	3
HPE 24302 Safety and First Aid	2	PSY 11103 General Psychology	3
HIS 3-Hour History Course	3		15 credit hours
	17 credit hours		

Welding ATS Degree

Fall 1st year Credit Hrs		Spring 1st year	Credit Hrs
MFG 10103 Basic Welding	3	MFG 22203 Basic Pipe Welding	3
MFG 10203 Basic GMAW Processes	3	MFG 12403 Manufacturing Processes	3
MFG 20103 Advanced Welding	3	MFG 23103 Advanced Pipe Welding	3
MFG 20203 Basic GTAW Processes	3	MFG 12103 Weld Test and Inspection	3
HPE 24302 Safety and First Aid	2	PSY 11103 General Psychology	3
HIS 3-Hour History Course	3		15 credit hours
	17 credit hours		

Fall 2nd year	Credit Hrs	Spring 2nd year	Credit Hrs
TEC 11704 Technical Math I	4	TEC 11804 Technical Math II	4
ELE 10103 Basic Electricity/Electronics	3	MFG 16102 Hydraulics and Pneumatics	2
MFG 27102 OSHA	2	COM 11103 Fundamentals of Speech	3
MFG 24103 Materials and Metallurgy	3	ENG 21403 Business and Tech. Writing	3
MFG 11102 Blueprint Reading	2	3-Hour Computer Class	3
LA 10001 Gateway to Success	1		15 credit hours
ENG 11103 Composition I*	3		
	18 credit hours		

* Placement determined by testing.

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