

# Welding

## CAREER PATHWAY



COURSES	CREDITS	INTRODUCTION TO WELDING CERTIFICATE	WELDING-INDUSTRIAL TECHNICAL DIPLOMA	WELDING FABRICATION TECHNICIAN TECHNICAL DIPLOMA
Welding Introduction	1 credit	●	●	●
Welding Metallurgy	1 credit	●	●	●
Welding Hand/Power Tools	1 credit	●	●	●
Welding Shielded Metal Arc 1A (Stick)	1 credit	●	●	●
Welding Gas Metal Arc 1A (Wire/Mig)	1 credit	●	●	●
Welding Gas Metal Arc 1B (Wire/Mig)	1 credit	●	●	●
Welding Gas Metal Arc 2A (Wire/Mig)	1 credit	●	●	●
Welding Math 1	1 credit	●	●	●
Welding Print Reading	1 credit	●	●	●
Welding Measurement I	1 credit	●	●	●
Welding Shielded Metal Arc 1B (Stick)	1 credit		●	●
Welding Shielded Metal Arc 2A (Stick)	1 credit		●	●
Welding Shielded Metal Arc 2B (Stick)	1 credit		●	●
Welding Gas Metal Arc 2B (Wire/Mig)	1 credit		●	●
Welding Submerged Arc (SAW)	1 credit		●	●
Welding Gas Tungsten Arc 1A (Heli-Arc/TIG)	1 credit		●	●
Welding Gas Tungsten Arc 1B (Heli-Arc/TIG)	1 credit		●	●
Welding Gas Tungsten Arc 2A (Heli-Arc/TIG)	1 credit		●	●
Welding Gas Tungsten Arc 2B (Heli-Arc/TIG)	1 credit		●	●
Pipe Welding Fundamentals	1 credit		●	●
Welding Advance Process 1A	1 credit		●	●
Welding Advance Process 1B	1 credit		●	●
Welding Fabrication Introduction	2 credits		●	●
Computer Essentials	1 credit		●	●
Communication Skills for the Workplace	2 credits		●	●
Advanced Pipe Welding	1 credit			●
Advanced Pipe Welding 2	1 credit			●
Advanced Pipe Welding 3	1 credit			●
Advanced Pipe Welding Processes	1 credit			●
Measurement for Fabricators	1 credit			●
Drills for Fabricators	1 credit			●
Machine Tool 1 Mills for Fabricators	1 credit			●
Machine Tool Lathes 1 for Fabricators	1 credit			●
Print Reading for Fabricators	1 credit			●
CWI Prep 1	1 credit			●
CWI Prep 2	1 credit			●
CWI Prep 3	1 credit			●
CWI Prep 4	1 credit			●
CNC Programming for Fabricators	1 credit			●
Introduction to Robotics 1A	1 credit			●
Introduction to Robotics 1B	1 credit			●
Robotics Welding 1A	1 credit			●
Robotics Welding 1B	1 credit			●
Fabrication 1A	2 credits			●
Fabrication 1B	2 credits			●
Fabrication Design and Application	2 credits			●
OSHA 30	1 credit			●
Weld Math 2	1 credit			●
Basic Mechanical Drafting for Fabricators	2 credits			●
<b>TOTAL CREDITS</b>		<b>10</b>	<b>27</b>	<b>55</b>
<b>LEADS TO:</b>	<b>CERTIFICATIONS</b>	—	PREPARATION FOR GMAW, SMAW, or GTAW	OSHA 30
	<b>CAREER</b>	WELDER, CUTTER, SOLDERER, BRAZER	WELDER INDUSTRIAL WELDER	WELD QUALITY TECHNICIAN WELDER/FABRICATOR
	<b>STARTING SALARY RANGE</b>	\$29,000-33,100	\$29,500-34,100	\$26,600-30,600



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