



Program of Study: Welding Technology AAS

Career Pathway: Skilled Trades

Secondary Partner:

Post-secondary Partner: Trinidad State College

Program Name:

Program Name: Welding Technology Associate of Applied Science

CIP:

CIP: 48.0508

Program ID:

Program ID: AAS_EPIW

Secondary Program Description:	
Career and Technical Courses	Possibilities of careers, and demand relating to this Pathway
State Graduation Requirements: www.cde.state.co.us/postsecondary/graduationguidelines	
High School/Secondary	<ul style="list-style-type: none"> • OSH 1310 10-Hr. Construction Industry Standards CE • WEL 1002 Oxyacetylene Joining Processes CE • WEL 1013 Oxyfuel and Plasma Cutting CE • WEL 1021 Structural Welding I CE • WEL 1024 Gas Tungsten Arc Welding I • WEL 1025 Introduction to Gas Metal Arc Welding CE, or • WEL 2024 Gas Tungsten Arc Welding II CE • BUS 1021 Basic Workplace Skills CE • WEL 1022 Structural Welding II CE • WEL 2003 Flux Cored Arc Welding I CE • WEL 2030 Pipe Welding I CE • WEL 2031 Pipe Welding II CE • WEL 1025 Introduction to Gas Metal Arc Welding CE, or • WEL 2024 Gas Tungsten Arc Welding II CE
<p>Related Industry Certifications/Credential(s) offered through program: OSH 10-hour safety; program certificate</p>	<p>Possibilities of Careers: Welder, Fabricator, Finishing Technician, Fitter-Welder, Mig Welder, Robot Operator, Braze Operator, Machine Operator, Spot Welder, Technical Associate (TA), Maintenance Welder, Sub Arc Operator, Brazer, Solderer, Wirer, Assembly Line Brazer, Connector, Electronic Technician, Production Technician, Electrical Assembler, Fitter, Welder-Fabricator, Layout Man, Ship Fitter, Weld Technician, Mill Beam Fitter, Structural Steel Fitter, Tack Welder</p> <p>Employment Demand and Wage Data: Typical Wages for Welders, Cutters, Solderers, and Brazers (no data available for Welders, Cutters, and Welder Fitters) is \$49,370 Median Annual Wage in Colorado; \$47,540 across the U.S. Projected Job Openings are 42,600 and Projected Growth from 2022-2032 indicates little or no change. The Employment Wage Statistics for this occupation in Colorado for 2022 was \$22.86 for entry level hourly wage and \$32,077 for annual wage or salary. Experienced welders in Colorado for 2022 have average salary of \$72,800.</p>
<p>Work-based Learning offered through program: Career Research Cooperative Education Job Shadowing</p>	<p>Work-based Learning offered through program: Career Research Cooperative Education Job Shadowing</p>
<p>Advanced Credit Options Key: Notate above which course has an articulation agreement or concurrent enrollment. AA – Course is approved for Articulation Agreement CE – Course is offered as Concurrent Enrollment</p>	<p>CTSO organization(s):</p> <p><input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input checked="" type="checkbox"/> FFA <input type="checkbox"/> CCSA <input type="checkbox"/> HOSA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> SC²</p>

