

	<b>Pathway: Manufacturing</b>	<b>Plan of Study: Welding Technology</b>  <span style="float: right;"><b>Web ID 1474</b></span>
<p><b>Career Goal (O*Net Code):</b> (Click the occupational title to access education, skills, and employment outlook information)</p> <p> <a href="#">Welders, Cutters, and Welder Fitters</a> (51-4121.06)* <span style="color: green;">✔</span> <b>Green</b>  <a href="#">Welders, Cutters, Solderers, and Brazers</a> (51-4121.00)*  <a href="#">Welding, Soldering, and Brazing Machine Setters, Operators</a> (51-4122.00)  <a href="#">Structural Metal Fabricators and Fitters</a> (51-2041.00) <span style="color: green;">✔</span>  <a href="#">Sheet Metal Workers</a> (47-2211.00) <span style="color: green;">✔</span> </p> <p>* High Demand Career  <a href="#">Aims Welding Web Site</a></p>		<p><b>Relevant Occupational Experience</b></p> <p><b>Pathway Overview:</b> The Manufacturing pathway focuses on careers in processing materials into intermediate or final products.</p> <p><b>Relevant Skills:</b> Physically fit, Hand-eye coordination, Work well with your hands, Comfortable with heights, Good vision.</p> <p><b>Military:</b> <i>Welder / Metal Worker</i></p> <p><a href="#">CCCS Credit for Prior Learning Guide</a>  Aims <a href="#">Assessment</a> for <a href="#">Credit for Prior Learning</a> assistance</p> <p><b>Related Occupations:</b> <a href="#">Welders, Cutters, and Welder Fitters</a></p>

**Possible Pathways to your Career!**

	Programs Available	Program Length (*Based on meeting Program Entrance Requirements)	Estimated Tuition (in-district)	Career Options	Salary Range
Certificate Option(s)	<a href="#">Basic Welding &amp; Cutting Certificate</a> <a href="#">SMAW Certificate</a> <a href="#">GMAW Certificate</a> <a href="#">ECAW Certificate</a> <a href="#">Advanced Welding Processes Certificate</a>	9 credits (1 Sem) 8 credits (1 Sem) 8 credits (1 Sem) 8 credits (1 Sem) 12 credits (1 Sem)	\$786.60 \$704.20 \$704.20 \$704.20 \$1033.80	Welder, Fabricator, Finishing Technician, Fitter-Welder, Mig Welder, Robot Operator, Braze Operator, Machine Operator, Spot Welder, Technical Associate (TA), Sub Arc Operator, Sheet Metal Mechanic, Sheet Metal Worker, Journeyman Sheet Metal Worker, HVAC Sheet Metal Installer (Heating, Ventilation, and Air Conditioning Sheet Metal Installer), Sheet Metal Apprentice, Field Installer, Sheet Metal Fabricator, Heating, Ventilation, Air Conditioning - Refrigeration Technician, HVAC Technician, Sheet Metal Installer, Fitter, Layout Man, Ship Fitter, Fabricator, Weld Technician, Mill Beam, Fitter, Structural Steel Fitter, Tack Welder	\$-\$\$\$



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Associate Degree(s)	<a href="#">Welding Technology</a>	60 credits (4 Sem)	\$5,124.00	Welder, Fabricator, Finishing Technician, Fitter-Welder, Mig Welder, Robot Operator, Braze Operator, Machine Operator, Spot Welder, Technical Associate (TA), Sub Arc Operator, Sheet Metal Mechanic, Sheet Metal Worker, Journeyman Sheet Metal Worker, HVAC Sheet Metal Installer (Heating, Ventilation, and Air Conditioning Sheet Metal Installer), Sheet Metal Apprentice, Field Installer, Sheet Metal Fabricator, Heating, Ventilation, Air Conditioning - Refrigeration Technician, HVAC Technician, Sheet Metal Installer, Fitter, Layout Man, Ship Fitter, Fabricator, Weld Technician, Mill Beam, Fitter, Structural Steel Fitter, Tack Welder	\$-\$\$\$
No Articulations currently available for Welding. High school students can take classes under Concurrent Enrollment or PSEO.					
Articulation Opportunities to Advanced Degrees:					

\* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

08-09 Placement Trends: Welding Technology	18 completers	*R 69%	*U 15%	*R related occupation *U unrelated occupation	
The 3 year median loan debt incurred by program completers	<i>(Needs to be calculated by Student Financial Aid)</i>				
<a href="#">CollegeInColorado's SLOPE Calculator</a>	SLOPE calculates your estimated monthly payment for student loans and compares it to your projected earnings for your career choice. The results will indicate how much you can borrow comfortably based upon your career.				
<a href="#">College Tuition Comparison Guide</a>	Compare Colleges Resident and Non-resident tuition and fees.				



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**Extended Learning Experiences**

**Support Services:**

[Services for Students](#) – Academic Support, Advising, Bookstore, Campus Technology, Career Center, E-Cashier, Disability Services, Fitness Facilities, Financial Aid, Library, Learning Commons, Student Life, Student Success Center, Testing Center, Tutoring & Supplemental Instruction.

**Financial Aid:**

[General Financial Aid Information](#) – Aims Community College offers a wide variety of financial aid programs and services to help you meet your educational costs including Federal & State Grants, Scholarships, Work-Study Program

**Professional Affiliations**

needs to be provided by department

**Selected Web Resources**

- [About Metals](#)
- [American Welding Society](#)
- [American Welding Society \(AWS\)](#)
- [OSHA Welding Safety and Health](#)
- [The Fabricator](#)
- [Welding and Joining Technologies Training](#)
- [Welding History](#)
- [Welding Information Center](#)
- [Welding.Com](#)
- [Women in the World of Welding](#)
- [Occupational Outlook Handbook – Welding, Soldering, and Brazing Workers](#)

**Practical Learning Experiences:**

*(Insert non-classroom learning experiences here – i.e. internships, job shadowing, etc...)*

Aims Community College is accredited by the Higher Learning Commission and a member of the North Central Association of Colleges and Schools.

**Career & Technical Education** is delivered through the Colorado Community College System [www.cccs.edu](http://www.cccs.edu)



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Aims Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to: Sandra Owens, 5401 West 20th Street P.O. Box 69, Greeley CO. 80634.

*\*\* It is strongly recommended that if students are intending to transfer to a four-year institution, they consult with the transfer institution to determine transferability of their Aims Community College courses.*

*\*\*\* This document is a guide only. It does not act as a legally binding contract.*

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