## Pathway: Manufacturing

### Career Goal (O*Net Code):

(Click the occupational title to access education, skills, and employment outlook information)

- **Welders, Cutters, and Welder Fitters** (51-4121.06)* Green
- **Welders, Cutters, Solderers, and Brazers** (51-4121.00)*
- **Welding, Soldering, and Brazing Machine Setters, Operators** (51-4122.00)
- **Structural Metal Fabricators and Fitters** (51-2041.00)
- **Sheet Metal Workers** (47-2211.00)

* High Demand Career

Aims Welding Web Site

## Plan of Study: Welding Technology

### Relevant Occupational Experience

**Pathway Overview:** The Manufacturing pathway focuses on careers in processing materials into intermediate or final products.

**Relevant Skills:** Physically fit, Hand-eye coordination, Work well with your hands, Comfortable with heights, Good vision.

**Military:** Welder / Metal Worker

[CCCS Credit for Prior Learning Guide](#)

Aims [Assessment for Credit for Prior Learning](#) assistance

**Related Occupations:** Welders, Cutters, and Welder Fitters

## Possible Pathways to your Career!

<table>
<thead>
<tr>
<th>Programs Available</th>
<th>Program Length (*Based on meeting Program Entrance Requirements)</th>
<th>Tuition</th>
<th>Career Options</th>
<th>Salary Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Certificate Option(s)</strong></td>
<td></td>
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<tr>
<td>Advanced Welding Processes Certificate (1 semester)</td>
<td>12 credits</td>
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<tr>
<td>Basic Welding &amp; Cutting Certificate (1 semester)</td>
<td>9 credits</td>
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<tr>
<td>FCAW Certificate (1 semester)</td>
<td>8 credits</td>
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<tr>
<td>GMAW Certificate (1 semester)</td>
<td>8 credits</td>
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<tr>
<td>SMAW Certificate (1 semester)</td>
<td>8 credits</td>
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<tr>
<td>Welding for Ag Educators Certificate (1 semester)</td>
<td>5 credits</td>
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<td></td>
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<tr>
<td>Welding Technician Certificate (4 semesters)</td>
<td>45 credits</td>
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</tbody>
</table>

Aims Tuition


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# Aims Community College

## Welding Technology

### Postsecondary Plan of Study

**Updated Summer 2013**

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<table>
<thead>
<tr>
<th>Associate Degree(s)</th>
<th>60 credits</th>
<th>Aims Tuition</th>
</tr>
</thead>
</table>

### Articulation Opportunities for High School Students:

No Articulations currently available for Welding. High School students can take college classes during their 11th & 12th grade years for free under Concurrent Enrollment legislation. See your counselor for more information.

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

**CollegeInColorado’s SLOPE Calculator**

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.

**College Tuition Comparison Guide**

Compare Colleges Resident and Non-resident tuition and fees.

## 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

- Colorado Community Colleges System
- Colorado Commission on Higher Education
- Higher Learning Commission, North Central Association of Colleges and Schools

Aims Kiefer Library Subject Guide - Welding

Occupational Outlook Handbook – Welding, Soldering, and Brazing Workers

Practical Learning Experiences:
This hands-on program teaches students using industry standard equipment. Each class incorporates practical Learning Experiences.

Work Environment and Physical Demands
Occupations often can be performed by those with disabilities when provided with appropriate adaptations.
- Mostly indoors, but sometimes outdoors in all kinds of weather.
- Work areas are noisy and there is risk of exposure to fumes and other hazards.
- May require lifting of metals and materials weighing 50 pounds.
- May have to work different shifts, like evening or night shifts.
- May also have to work long or unusual hours on some jobs.
- To prevent burns and eye injuries, you must wear protective clothes, shoes, hood, and goggles.
- You will often work in awkward positions.
- Higher than average risk of injury.

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Work may be inspected. To find adaptations used for specific disabilities, go to the Job Accommodation Network’s Searchable Online Accommodation Resource (SOAR).

Source: EUREKA, the California Career Information System

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

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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