Pathway: Energy

Career Goal (O*Net Code): (Click the occupational title to access education, skills, and employment outlook information)
- Rotary Drill Operators, Oil and Gas 47-5012.00
- Roustabouts, Oil and Gas 47-5071.00
- Service Unit Operators, Oil, Gas, and Mining ✨ Green 47-5013.00
- Petroleum Engineers 17-2171.00
- Geophysical Data Technicians ✨ Green 19-4041.01
- Derrick Operators, Oil and Gas 47-5011.00
- Petroleum Pump System Operators, Refinery Operators, and Gaugers 51-8093.00
- Geological Sample Test Technicians ✨ Green 19-4041.02
- Wellhead Pumpers 53-7073.00
- Geological and Petroleum Technicians 19-4041.00
- Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters* 47-3015.00

Aims Applied Environmental Technology website “built around skill sets specifically requested by employers”

Plan of Study: Oil & Gas

Web ID 6944

Relevant Occupational Experience

Pathway Overview: The Energy pathway focuses on careers in the production, distribution, processing, and research of renewable and fossil energy resources and services.

Relevant Skills: Operation monitoring, controlling operations of equipment or systems, repairing machines or systems, giving full attention to what other people are saying, identifying complex problems and implement solutions, and Quality Control Analysis.

Military: Petroleum Supply Specialist

CCCSCredit for Prior Learning Guide

Aims Assessment for Credit for Prior Learning assistance

Related Occupations: Derrick Operators, Oil and Gas & Roustabouts, Oil and Gas

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>Introduction to Oil and Gas Technologies Certificate (1 semester)</td>
<td>11 credits</td>
<td>Aims Tuition</td>
<td>Hydraumatic Mechanic, CDL Driver, Compressor Mechanic Driller-Deepwater Drillship, Rig Mechanic, Derrickman, Field Service Rep, Repair &amp; Maintenance Tech, Production Technologist, Welder, Material Planner, Project Estimator, Quality Control Inspector, Pipefitter, Scaffolders, Crane Operator, Instrument Technician, Hydraulic Tech</td>
<td>$-$$$$</td>
</tr>
</tbody>
</table>
## Aims Community College

### Applied & Environmental Technology:

### Oil & Gas

## Postsecondary Plan of Study

### Associate Degrees

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
<th>Aims Tuition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil and Gas Technologies, A.A.S. (2 years)</td>
<td>60-62</td>
<td>$-$-$ $$</td>
</tr>
</tbody>
</table>

### Articulation Opportunities for High School Students:

High School students can take college classes during their 11th & 12th grade years for free under Concurrent Enrollment legislation. Contact a counselor for more information. This is a Career Academy qualified program.

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

### Online Resources

- **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.

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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.

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

- Oil & Gas
- Occupational Outlook Handbook - [Oil and Gas Workers](#)

## Work Environment and Physical Demands

Occupations often can be performed by those with disabilities when provided with appropriate adaptations.

- Work is heavy and requires using up to 100 pounds of force.
- When working with heavy equipment with moving parts, Some risk of injury.
- Workers get dirty and oily when doing this work.
- Workers are required to climb, balance, lift, walk, and stoop.
- Tools used: Pumps, drill bits, bolts, cables, pulleys and blocks, hoists, clamps, portable power mixers, an scales.

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

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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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