Aerospace has taken off in Colorado, and if you’re looking for an out-of-this-world career, you might have just found it. Aerospace jobs launch rockets, send humans to the moon and search for alien life in space – and this is just in the next few years! Besides space, our region’s aerospace industry focuses on earth science activities that support climate monitoring and extreme weather forecasting, helping our planet and people.

Aerospace Occupations

• Engineering Managers
• Aerospace/Systems Engineers
• Computer Software Engineers, Applications
• Industrial Engineers
• Mechanical Engineers
• Business Operations Specialists
• Aerospace Engineering & Operations Technicians
• Industrial Engineering Technicians
• Computer Support Specialists
• Aircraft Structure, Surfaces, Rigging & Systems Assemblers
• Machinists
• Inspectors, Testers, Sorters, Samplers & Weighers
• Structural Metal Fabricators & Fitters

Did you know? Aerospace isn’t just engineering! Machinists, Computer Specialists and Manufacturing Workers are employed in this industry as well.

Aerospace

Start Exploring Aerospace Careers

Step 1: Identify your interests
Compare your interests, skills and work values with Aerospace occupations using Labor Market Information’s Career Explorer:
Visit www.coworkforce.com/lmigateway
• Click on “Services for Individuals”
• Choose “Career Services”
This will take you to “Career Explorer” where you can match your skills to occupations.

Step 2: Explore the Aerospace industry & careers
Learn about high-growth, in-demand careers and what they pay on the LMI Gateway website: www.coworkforce.com/lmigateway
For more information on a career in Aerospace, check out www.spacefoundation.org, www.incose.org and www.spacecolorado.org

Step 3: Find education, training & financial aid options
Discover the best education or training institutions for your career goals and how to get money for school at www.collegeincolorado.org

Step 4: Find available job openings
www.connectingcolorado.com
Who do you want to be tomorrow?

Matthew Dahl
Satellite Flight Controller at LASP in Boulder, CO

Instead of checking email, like many workers’ days begin, Matthew starts out by checking spacecraft data. After reviewing the data and making sure everything is set for the day’s activities, he’ll sit down on-console with a student Command Controller and command a spacecraft to retrieve data collected since its last contact with the ground. After the contacts are done, he’ll send out a shift report, detailing the day’s activities.

For Matthew, the best part of his job is knowing that when he goes into work that he’ll be in command of a spacecraft flying hundreds, in some cases thousands, of miles above the Earth, traveling at an incredible speed. Even better is that he is a part of cutting-edge science that improves human knowledge of the universe and our way of life.

Mari Gravlee
Advanced Programs Engineer for United Launch Alliance in Centennial, CO

On any given day, Mari could be reviewing test results from a rocket engine thruster or traveling to NASA to discuss the development of a test setup for cryogenic propellants. Her days can be hectic, but they are never dull. Although she has a Bachelor’s Degree in Mechanical Engineering, Mari says that communication — oftentimes an Engineer’s weakest point — is one of the most important skills for her job. Being able to explain things to others and gain their support is very important.

Although she enjoys her day to day duties, nothing is as exciting as launch day. Mari says it’s incredible to see all the rocket systems working together to deliver a satellite into space.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Average Hourly/Annual Wage</th>
<th>Minimum Education/Training</th>
<th>Suggested Programs of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Managers</td>
<td>$63.05 / $131,147</td>
<td>Work experience + Bachelor's Degree</td>
<td>Aerospace Management, Engineering &amp; Technology Management</td>
</tr>
<tr>
<td>Aerospace/Systems Engineers</td>
<td>$49.63 / $103,236</td>
<td>Bachelor's Degree</td>
<td>Aerospace Engineering, Astrophysics/Physics, Astrophysical &amp; Planetary Sciences</td>
</tr>
<tr>
<td>Computer Software Engineers, Applications</td>
<td>$44.37 / $92,284</td>
<td>Bachelor's Degree</td>
<td>Applied Computing Technology, Computer Science, Electrical &amp; Computer Engineering</td>
</tr>
<tr>
<td>Industrial Engineers</td>
<td>$39.46 / $82,080</td>
<td>Bachelor's Degree</td>
<td>Engineering &amp; Applied Science, Engineering Physics</td>
</tr>
<tr>
<td>Mechanical Engineers</td>
<td>$45.55 / $94,731</td>
<td>Bachelor's Degree</td>
<td>Mechanical Engineering, Mechanical Engineering Technology</td>
</tr>
<tr>
<td>Business Operations Specialists</td>
<td>$33.99 / $70,694</td>
<td>Bachelor's Degree</td>
<td>Business</td>
</tr>
<tr>
<td>Aerospace Engineering &amp; Operations Technicians</td>
<td>$30.08 / $62,558</td>
<td>Associate Degree</td>
<td>Aerospace Engineering, Aerospace Operations, Pre-Aerospace Engineering Technology</td>
</tr>
<tr>
<td>Industrial Engineering Technicians</td>
<td>$25.11 / $52,233</td>
<td>Associate Degree</td>
<td>Engineering Science, Industrial Maintenance Technology</td>
</tr>
<tr>
<td>Computer Support Specialists</td>
<td>$24.53 / $51,027</td>
<td>Associate Degree</td>
<td>End User Support Specialist, Computer Service/Network Technology, Computer Support Technician/Information Systems</td>
</tr>
<tr>
<td>Aircraft Structure, Surfaces, Rigging &amp; Systems Assemblers</td>
<td>$18.54 / $38,567</td>
<td>At least 1 year of on-the-job training</td>
<td>Airframe Mechanics, High Tech Manufacturing, Advanced Manufacturing/Machining</td>
</tr>
<tr>
<td>Machinists</td>
<td>$18.57 / $38,624</td>
<td>At least 1 year of on-the-job training</td>
<td>Machine Technologies, Advanced Manufacturing/Machining</td>
</tr>
<tr>
<td>Inspectors, Testers, Sorters, Samplers &amp; Weighers</td>
<td>$17.70 / $36,826</td>
<td>1-12 months on-the-job training</td>
<td>Advanced Manufacturing/Machining, High Tech Manufacturing</td>
</tr>
<tr>
<td>Structural Metal Fabricators &amp; Fitters</td>
<td>$17.86 / $37,145</td>
<td>1-12 months on-the-job training</td>
<td>Structural Engineering Technology</td>
</tr>
</tbody>
</table>