

What to do with a degree in...

# AEROSPACE ENGINEERING

A degree in Engineering, Architecture or Technology provides the knowledge and tools for problem solving. Be aware that the actual work that engineers perform will vary depending on the company and industry in which they work. Some engineers work

in a research or development capacity, while others serve in management roles. The work environment also varies, including outdoor work, work in an office setting, or a combination.

## SKILLS

Aerospace engineers apply their expertise to solving problems in high-speed ground transportation, environmental pollution, and meteorology, as well as being the key

professionals in the design and manufacturing of air and space vehicles for transportation, exploration, and military purposes.

## CAREER PATHS

AERONAUTICAL ENGINEER  
AEROSPACE TECHNICIAN  
AIRCRAFT/SPACECRAFT ENGINEER  
CERTIFICATION ENGINEER  
COMBUSTION ENGINEER  
CONTROLS ENGINEER  
DATA PROCESSING ENGINEER  
DEVELOPMENTAL ENGINEER  
DRAFTER  
INSPECTOR AND COMPLIANCE OFFICER  
LIAISON ENGINEER

MANUFACTURING ENGINEER  
MISSION OR PAYLOAD SPECIALIST  
OUTSIDE ENGINEERING SALES  
PROPULSION ENGINEER  
QUALITY CONTROL ENGINEER  
STRUCTURES ENGINEER  
SUPPLY CHAIN ASSOCIATE  
SYSTEMS ENGINEER

## WHO HIRES AEROSPACE ENGINEERING MAJORS

Airbus  
American Airlines  
The Boeing Company  
Continental Airlines  
Delta Airlines  
General Dynamics  
Honeywell International  
Lockheed Martin

National Aeronautics and Space Administration  
Northrop Gruman  
Raytheon  
Rockwell Collins  
SpaceX  
Southwest Airlines  
US Air Force  
US Navy



## STARTING AVERAGE SALARIES

(DATA GATHERED FROM  
OSU CEAT GRADUATES)

2017 - \$58,600

2018 - \$63,100

2019 - \$48,655

## **TIPS FOR SUCCESS IN AEROSPACE ENGINEERING**

- Join a club!
- Assist with a professors research project.
- Don't be afraid to pursue leadership positions.
- Make a good habit of personal research in the field of aerospace.

## **GET INVOLVED ON CAMPUS**

American Institute of Aeronautics and Astronautics (AIAA)  
American Society of Heating, Refrigerating, and Air-Conditioning (ASHRAE)  
American Society of Mechanical Engineers (ASME)  
Cowboy Rocketworks (through AIAA)  
Formula SAE Racing Team  
OSU Mini Baja Racing Team (Cowboy Racing)  
Sigma Gamma Tau

Additional Resources About Aerospace Engineering Careers:

[www.aiaa.org](http://www.aiaa.org)  
[www.ashrae.org](http://www.ashrae.org)  
[www.asme.org](http://www.asme.org)  
[www.fsaeonline.com](http://www.fsaeonline.com)

## **MARKETABLE SKILLS OF AEROSPACE GRADUATES**

- Technical knowledge of specific field
- Ability to problem solve
- Attention to detail
- Creativity and innovative thinking
- Strong awareness to safety issues
- Time management
- Ability to meet deadlines and work under pressure
- Commitment to keeping up to date with technical developments



For More Information About  
Aerospace Engineering at OSU:

Prospective Student Services:  
(405) 744-5276

Career Services:  
(405) 744-3858

[HireOSUGrads.com](http://HireOSUGrads.com)