**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 professor’s 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
www.ashrae.org
www.asme.org
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