

# 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.

## CAREER PATHS IN AEROSPACE ENGINEERING

- Drilling Engineer
- RDD Engineer
- Facilities Engineer
- Design Engineer
- Mechanical Engineer
- Liaison Engineer
- Associate Technical Professional
- Project Engineer
- Aircraft Design Engineer
- Systems Engineer Associate
- Advanced Design Engineer
- Electronics Engineer



## WHO HIRES AEROSPACE ENGINEER MAJORS

- Devon Energy
- Baker Hughes
- ConocoPhillips
- Textron Aviation
- Tinker Air Force Base
- National Instruments
- The Boeing Company

**HIRESUGRADS.com**

## AEROSPACE ENGINEERING

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 manufacture of air and space vehicles for transportation, exploration, and military purposes.

## TIPS FOR SUCCESS IN AEROSPACE ENGINEERING

- Obtain a co-op or internship experience as an opportunity to discover career interests and to serve as a great resume builder.
- Acquire good computer, mathematic and analytical skills through challenging coursework and employment.
- Develop leadership abilities and communication skills through active participation in professional and student organizations such as American Institute of Aeronautics and Astronautics (AIAA), American society of Mechanical Engineers (ASME), and CEAT Student Council.
- Develop technical skills through competition including Speedfest, Formula SAE Racing and Mini Baja Racing.

FOR MORE INFORMATION ABOUT  
AEROSPACE AT OSU

**Prospective Student Services:**  
(405) 744-5276

**Career Services:**  
(405) 744-3858

## ADDITIONAL RESOURCES ABOUT AEROSPACE CAREERS

Aerospace at OSU:

<http://www.mae.okstate.edu/node/31>

American Society of Mechanical  
Engineers:

<https://www.asme.org/>

American Institute of Aeronautics  
and Astronautics:

<https://www.aiaa.org/#&panel1-2>

## STARTING AVERAGE SALARIES

(Data gathered from OSU CEAT graduates)

**2013– \$64,955**

**2014– \$66,000**

**2015– \$59,576**

## MARKETABLE SKILLS OF AEROSPACE ENGINEERING GRADUATES

- Ability to design and conduct experiments, analyze and interpret data.
- Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- Ability to function on teams, some of which require consideration of multiple disciplines.