

What to do with a degree in...

# MECHANICAL 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**

Mechanical Engineers are valued for their knowledge on many different subject matters. Knowledge of statics, dynamics, mechanical design, heat transfer, and thermodynamics are necessary to become a well rounded Mechanical Engineer. Working in a team setting is a major skill gained throughout the department program.

Graduates with a Mechanical Engineering degree understand engineering fundamentals as well as focus on electives that appeal to the student's interests. This degree spans over a wide group of industries including transportation, power generation, machine design, and process control.

## **CAREER PATHS**

APPLICATIONS ENGINEER  
COMBUSTION ENGINEER  
COMPLETIONS ENGINEER  
DESIGN ENGINEER  
DRILLING ENGINEER  
FACILITIES ENGINEER  
FIELD ENGINEER  
MANUFACTURING ENGINEER  
MECHANICAL DESIGN ENGINEER  
MECHANICAL ENGINEER  
NUCLEAR PROCUREMENT ENGINEER

OUTSIDE ENGINEERING SALES  
PLANT ENGINEER  
PRODUCT ENGINEER  
PRODUCTION ENGINEER  
PROJECT ENGINEER  
R&D ENGINEER  
RELIABILITY ENGINEER  
SYSTEM DESIGN ENGINEER

## **WHO HIRES MECHANICAL ENGINEERING MAJORS**

Baker Hughes  
The Boeing Company  
Cameron International  
ChesapeakeEnergy  
ConocoPhillips  
ExxonMobil  
Halliburton  
John Deere

Koch  
Lockheed Martin  
National Instruments  
NORDAM  
Texas Instruments  
Textron Aviation  
Williams  
Zeeco



## STARTING AVERAGE SALARIES

(DATA GATHERED FROM  
OSU CEAT GRADUATES)

2017 - \$64,400

2018 - \$67,400

2019 - \$69,825

## **TIPS FOR SUCCESS IN MECHANICAL ENGINEERING**

- Working in Groups– As an engineer, the ability to work with others is essential. Engineers have the reputation of people locked in their office designing products and conducting research. This is far from the truth in today's fast pace market place. The ability to communicate in a group setting is a must.
- Solving problems– Engineers joke with each other that they are fire fighters.
- "Putting out one fire and running to the next."
- You must be able to solve problem as an ME. Not just in depth engineering problems but logistics and people problems.
- Befriend your T.A.– Teaching assistants can be a real help with homework. Also, they grade most everything in the class so being on their good side always helps.

## **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)  
Pi Tau Sigma - International Honor Society for Mechanical Engineers

Additional Resources About Mechanical Engineering Careers:  
[mae.okstate.edu](http://mae.okstate.edu)

## **MARKETABLE SKILLS OF MECHANICAL GRADUATES**

- Problem Solving
- Ability to work in a group
- Applying basic engineering principles
- Designing products to meet industry standards
- Work in Solid Works



For More Information About  
Mechanical Engineering at OSU:

Prospective Student Services:  
(405) 744-5276

Career Services:  
(405) 744-3858

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