

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)

2022 - \$70,395

2023 - \$71,302

2024 - \$75,956

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

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) 744-5279

Career Services:
(405) 744-3858

HireOSUGrads.com