

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.

CAREER PATHS IN MECHANICAL ENGINEERS

- Drilling Engineer
- Applications Engineer
- Design Engineer
- Field Engineer
- Mechanical Design Engineer
- R&D Engineer
- Plant Engineer
- Completions Engineer
- Reliability Engineer
- Product Engineer
- Facilities Engineer
- Production Engineer



WHO HIRES MECHANICAL ENGINEERING MAJORS

- ConocoPhillips
- Halliburton
- Williams
- Baker Hughes
- National Instruments
- ExxonMobil
- BP
- Boeing
- Koch
- John Deere
- Cameron International
- Chesapeake Energy

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MECHANICAL ENGINEERING

A 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 is a major skill that you will learn by trial and error through your years in obtaining your degree.

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.

FOR MORE INFORMATION ABOUT MECHANICAL ENGINEERING AT OSU

Prospective Student Services:
(405) 744-5276

Career Services:
(405) 744-3858

ADDITIONAL RESOURCES ABOUT MECHANICAL ENGINEERING CAREERS

Mechanical Engineering at OSU:

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

American Society of Mechanical Engineers:

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

FE Exam Information:

<http://ncees.org/exams/fe-exam/>

STARTING AVERAGE SALARIES

(Data gathered from OSU CEAT graduates)

2011 – \$69,891

2012 – \$66,922

2013 – \$70,900

MARKETABLE SKILLS OF M.E. GRADUATES

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