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

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.

CAREER PATHS

DRILLING ENGINEER
APPLICATIONS ENGINEER
DESIGN ENGINEER
FIELD ENGINEER
MECHANICAL DESIGN ENGINEER
R&D ENGINEER
PLANT ENGINEER
COMPLETIONS ENGINEER
RELIABILITY ENGINEER
PRODUCT ENGINEER
FACILITIES ENGINEER

WHO HIRES MECHANICAL ENGINEERING MAJORS

ConocoPhillips
Halliburton
Williams
Baker Hughes
National Instruments
ExxonMobil
BP
Boeing
Koch
John Deere
Cameron International
ChesapeakeEnergy
STARTING AVERAGE SALARIES
(DATA GATHERED FROM OSU CEAT GRADUATES)
2016— $63,480
2017— $64,400
2018— $67,400

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 SOCIETY OF MECHANICAL ENGINEERS (ASME)
BAJA RACING
FORMULA SAE RACING

Additional Resources About Mechanical Engineering Careers:
Possible job search websites are Glassdoor, LinkedIn, Indeed, CareerBuilder
Utilize opportunites for interships and co-ops
Attempt to network with emplyers by going to Career Fairs in the spring and fall

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 and Visual Basic