WHAT IS MECHANICAL ENGINEERING?

Mechanical Engineering Technology is the component of engineering that specializes in design and application. MET includes the broad areas of mechanical design, mechanical power and manufacturing.

WHY MECHANICAL ENGINEERING AT OSU?

An important element in MET is the use of laboratory experience as a teaching tool. The MET program has laboratories in fluid power, materials, fluid mechanics and applied thermal sciences, basic instrumentation, computer-aided design (CAD) and manufacturing. A senior capstone design course, composed of student teams, integrates the knowledge and skills learned during their course of study.

HIGHLIGHTS

• All faculty members having several years of industrial experience. They are highly focused on teaching while conducting application oriented research
• Majority of courses are taught based on hands-on training and application of engineering concepts
• Opportunities of undergraduate research, TA/grader positions
• Home of Industrial Assessment Center (IAC)
• Mechatronics minor
• Entrepreneurship minor

CAREER INDUSTRIES & FOCUS AREAS

CAREER OPPORTUNITIES

- Tool Design Engineer
- Maintenance Engineer
- Field Engineer
- Project Engineer
- Pipeline Engineer
- Mechanical Engineer
- Mechanical Designer
- Offshore Field Engineer
- Process Engineer
- Quality Control Engineer

ceat.okstate.edu
## Typical Four-Year Curriculum

### FIRST YEAR
**Fall Semester**
- MET 1213 Manufacturing Processes
- MATH 1513 College Algebra
- ENGL 1113 Freshman Comp I
- EET 1003 Computer Programming
- XXXX XXXX "S" Elective

**Spring Semester**
- CHEM 1215 Gen Chem
- MATH 1613 Trigonometry
- HIST 1103 American History
- MET 1223 Tech. Dwg. & Basic CAD
- XXXX XXXX "H" Elective

### SECOND YEAR
**Fall Semester**
- MET 2103 Industrial Materials
- MATH 2123 Calc for Tech I
- PHYS 1114 Physics I
- POLS 1113 American Gov’t
- MET 2223 Intermediate Mech. CAD

**Spring Semester**
- MATH 2133 Calc for Tech II
- ENSC 2113 Statics
- PHYS 1214 Physics II
- MET 2313 Hydraulic Fluid Power
- XXXX XXXX "A" or "N" Elective

### THIRD YEAR
**Fall Semester**
- MET 3433 Thermodynamics
- MET 3313 Applied Fluid Mechanics
- SPCH 2713 Speech
- ENSC 2143 Strength of Materials
- EET 3104 Elem Elect & Electronics

**Spring Semester**
- MET 4433 Heat Transfer
- MET 3333 Basic Instrumentation
- MET 3343 Physical Metallurgy
- MET 4003 Machine Elements
- MET 3003 Dynamics

### FOURTH YEAR
**Fall Semester**
- MET 4103 Senior Design I
- ENGL 3323 Tech Writing
- MET 4463 Thermal Fluids Lab
- XXXX XXXX Related Specialty
- XXXX XXXX "H" Elective

**Spring Semester**
- IEM 3513 Econ Dec Analysis
- MET 4123 Senior Design II
- XXXX XXXX Related Specialty
- XXXX XXXX Related Specialty
- XXXX XXXX Controlled Elective

**TOTAL HOURS: 121**


This course plan is for general guidance only. An official course plan will be provided upon enrollment.

Contact | ceat.recruitment@okstate.edu | (405)-744-5279