WHAT IS MECHANICAL ENGINEERING TECHNOLOGY?

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 TECHNOLOGY 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, 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 for undergraduate research, and TA/grader positions
• Home of Industrial Assessment Center (IAC)
• Mechatronics minor and Master's degree
• 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

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Typical Four-Year Curriculum

**FIRST YEAR**

**Fall Semester**
- CHEM 1215 Gen Chem
- MATH 2144 Calculus I
- ENGL 1113 Freshman Comp I
- ENGR 1111 Intro to Engineering
- HIST 1103 American History

**Spring Semester**
- EET 1003 Computer Programming
- MATH 2153 Calculus II
- POLS 1113 American Government
- MET 1223 Tech. Dwg. & Bas. CAD
- PHYS 2014 Physics I

**SECOND YEAR**

**Fall Semester**
- EET 1134 DC Circuits
- SPCH 2713 Intro Speech Comm.
- PHYS 1214 Physics II
- ENSC 2113 Statics
- MET 3223 GD&T

**Spring Semester**
- EET 1214 AC Circuits
- ENSC 2143 Strength of Material
- ENSC XXXX 3 1-crhd-hr ENSC labs
- MET 2313 Hydraulic Fluid Power
- XXXX XXXX “A” or “N” or “S” Elective

**THIRD YEAR**

**Fall Semester**
- MET 3433 Thermodynamics
- MET 3313 Applied Fluid Mechanics
- MET 3343 Physical Metallurgy
- ENGL 3323 Technical Writing
- MET 3003 Dynamics

**Spring Semester**
- MET 3453 Heat Transfer
- MET 3113 Basic Instrumentation
- MET 3543 Manufacturing Processes
- MET 4003 Machine Elements
- MET XXXX Related Specialty

**FOURTH YEAR**

**Fall Semester**
- MET 4103 Senior Design I
- XXXX XXXX Controlled Elective
- XXXX XXXX Related Specialty
- 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: 120**


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