COLLEGE OF
ENGINEERING, ARCHITECTURE
AND TECHNOLOGY

MECHANICAL ENGINEERING TECHNOLOGY

WHAT IS MECHANICAL ENGINEERING TECHNOLOGY?

Mechanical Engineering Technology is the component of engineering that specializes in mechanical design, computer-aided technologies, materials, 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 mechatronics, fluid power, materials, fluid mechanics, thermal science, basic instrumentation, 3D printing, computer-aided design, manufacturing, and engineering (CAD/CAM/CAE). Senior capstone design courses, composed of student teams for SpeedFest (autonomous vehicle competition) or Industry-sponsored interdisciplinary design projects, integrate the knowledge and skills learned during their course of study.

HIGHLIGHTS

- All faculty members have 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
- Mechatronics minor and Master's degree
- Entrepreneurship minor

CAREER INDUSTRIES & FOCUS AREAS

CAREER OPPORTUNITIES

- Design Engineer
- Manufacturing Engineer
- Project Engineer
- Field Engineer
- Process Engineer
- Quality Control Engineer
- Engineering Sales Representative
- Engineering Director
- Chief Engineer
- Engineering Manager
- Operations Manager

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BACHELOR OF SCIENCE

MECHANICAL ENGINEERING TECHNOLOGY

Typical Four-Year Curriculum

FIRST YEAR

Fall Semester

CHEM	1215	Gen Chem
MATH	2144	Calculus I
ENGL	1113	Freshman Comp 1
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-crd-hr ENSC labs
MET	2313	Hydraulic Fluid Power
XXXX	XXXX	“A”, “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
MET	XXXX	Related Specialty
MET	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	Controlled Elective

TOTAL HOURS: 120

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.

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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