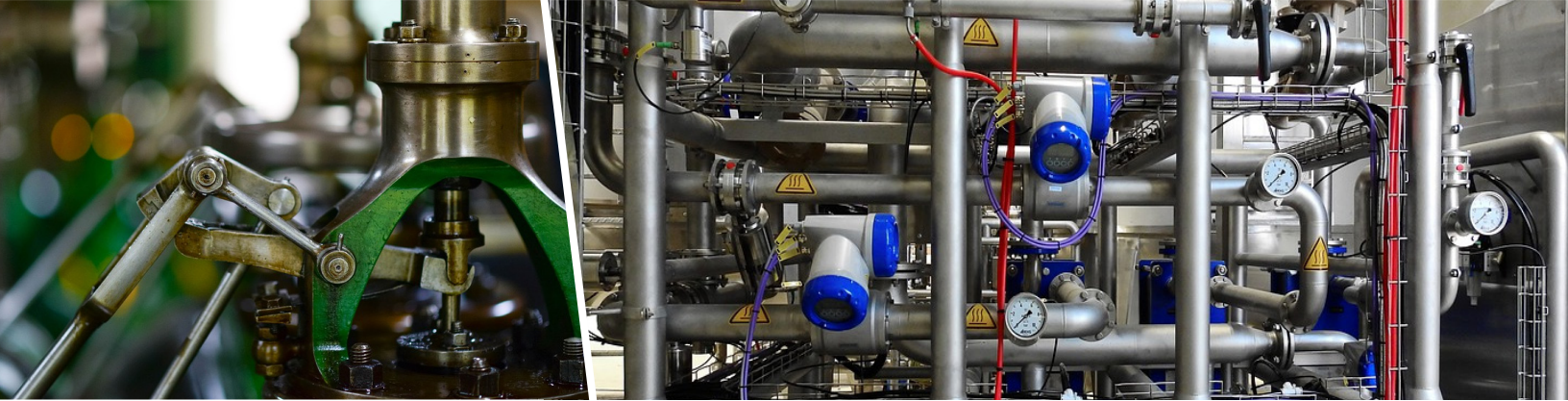




COLLEGE OF
ENGINEERING, ARCHITECTURE
AND TECHNOLOGY

MET MECHANICAL ENGINEERING TECHNOLOGY



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



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Typical Four-Year Curriculum

FIRST YEAR

Fall Semester

MET	1213	Manufacturing Processes
MATH	1513	College Algebra
ENGL	1113	Freshman Comp 1
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	XXX	"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	3113	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

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

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