

Mechanical Engineering Technology, B.S., Mechanical Concentration

303-556-2976 South 226

Catalog 10-11

This sheet applies to the 2010-2011 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	42 min.
Major courses	50
Additional Requirements	11
Concentration	24
Total to graduate (min. 40 hrs upper division)	128 min

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

GENERAL STUDIES

Composition

- ___ ENG 1010-3 Freshman Comp: the Essay
- ___ ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

Mathematics

- ___ MTH 1400-4 Pre-Calculus Math

(Note: MTH 1110 and MTH 1120 are prerequisites for MTH 1400 and may be substituted.)

Communications

- ___ SPE 1010-3 Public Speaking

Historical

- ___ -3

Arts & Letters

- ___ PHI 1030-3 Ethics
- ___ -3

Social Sciences

- ___ ECO 2010-3 Principles of Economics: Macro
- ___ -3

Natural Sciences

- ___ CHE 1800-4 General Chemistry I
- ___ PHY 2311-4 General Physics I
- ___ PHY 2321-1 General Physics I Lab
- ___ PHY 2331-4 General Physics II
- ___ PHY 2341-1 General Physics II Lab

Multicultural Requirement

(may be satisfied within General Studies, major, minor or electives)

- ___ -3

MAJOR COURSES: Minimum of "C" or higher for all prerequisites to progress.

- ___ MET 1000-3 Introduction to Mechanical Engineering
- ___ MET 1010-3 Manufacturing Processes
- ___ MET 1200-3 Technical Drawing I
- ___ MET 1210-3 3D Modeling
- ___ MET 1310-3 Principles of Quality Assurance
- ___ MET 2200-3 Materials of Engineering
- ___ MET 3110-3 Thermodynamics
- ___ MET 3160-3 Mechanics II-Dynamics
- ___ MET 3180-3 Fluid Mechanics I
- ___ MET 3210-4 Introduction to Computer Aided Engineering-Programming
- ___ MET 3410-3 Geometric Dimensioning and Tolerancing
- ___ MET 4000-3 Project Engineering
- ___ CET 2150-3 Mechanics I-Statics
- Additional Technical Requirements
- ___ EET 2000-3 Electric Circuits & Machines
- ___ EET 3010-4 Industrial Electronics
- Additional Requirements
- ___ COM 2610-3 Introduction to Technical Writing
- ___ MTH 1410-4 Calculus I
- ___ MTH 2410-4 Calculus II
- Mechanical Concentration
- ___ MET 3070-3 Machine Design
- ___ MET 3120-2 Heat Transfer
- ___ MET 3140-1 Heat Transfer Laboratory
- ___ MET 3190-3 Fluid Mechanics II
- ___ MET 3320-3 Instrumentation Laboratory
- ___ MET 3xxx-3 Upper-division MET elective
- ___ MET 3xxx-3 Upper-division MET elective
- ___ MET 4070-3 Computer Aided Design (Senior Experience)
- ___ MET 4280-3 Advanced Energy Technology

Recommended Math Minor for MET Students:

The Mechanical Engineering Technology program recommends that students pursue a minor in Mathematics. See the catalog for the combination of math classes for MET students.