

# Mechanical Engineering Technology, B.S., Computer-Aided Manuf. 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	51
Additional requirements	11
Concentration	25
<b>Total to graduate (min. 40 hrs upper division)</b>	<b>129 min</b>

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	Precalculus Math
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**(Note: MTH 1110 & MTH 1120 may be substituted)**

### Communications

___ SPE 1010-3	Public Speaking
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### Historical

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### Arts & Letters

___ PHI 1030-3	Ethics
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### Social Sciences

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

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

___ MET 1000-3	Introduction to Mechanical Engineering Technology
___ 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

### Computer Aided Manufacturing Concentration

___ MET 3000-4	Manufacturing Analysis
___ MET 3100-3	N/C Computer Programming
___ MET 3250-3	Tool Design & Production Tooling
___ MET 3300-3	Statistical Process Control
___ MET 3330-3	Robotics for Manufacturing
___ MET xxxx-3	Upper-Division Elective
___ MET 4010-3	Advanced Manufacturing Technology (Sr. Experience)
___ MET 4080-3	Computer Aided Manufacturing

### Recommended Math Minor for MET Students:

The Mechanical Engineering Technology program recommends that students pursue a minor in Mathematics. See p.272 of the catalog for the combination of math classes for MET students.