

Mechanical Engineering Technology Curriculum

FRESHMAN

16

ENGT 1000
Introduction to
Engr. Tech [1]

MATH 1330
Trigonometry
[3]

Humanities
Elective
[3]

MET 1050
Computers for
Engr. Tech [3]

MET 1020
Technical
Drawing [3]

MET 1110
Metal Machining &
Processes [3]

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ENGT 2000
Professional
Development [1]

ENGL 1110
College
Composition [3]

PHYS 2010
Technical Physics
Mechanics [5]

Social Science
Elective
[3]

MET 1250
CADD
[3]

MET 1120
Metal Machining &
Proc. LAB [1]

SOPHOMORE

18

ENGL 2950
Science & Technical
Reporting Writing [3]

PHYS 2020
Technical Physics
Elec. & Magnetism [5]

MET 2100
Engr. Mechanics:
Statics [3]

MATH 2450
Calculus for Engr.
Technology I [4]

MET 2150 or 2350
NC Applications or
Advanced CAD [3]

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MET 2050
Fluid & Hydraulic
Mechanics [4]

MET 2120
Strength of
Materials [4]

MATH 2460
Calculus for Engr.
Technology II [4]

MET 2210
Technical
Thermodynamics [4]

JUNIOR

18

COMM 2820
Group
Communication [3]

CHEM 1230/1280
General Chemistry
I with Lab [5]

ENGT 3010
Apply Statistics &
Design of Exp. [4]

MET 3400
Dynamics [3]

ENGT 3020
Apply Engineering
Math [3]

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Technical
Elective
[3]

MET 2310
Applied Materials
Science [3]

MET 2320
Applied Materials
Science LAB [1]

MET 3200
Mechanical
Design I [3]

MET 3100
Applied
Thermodynamics [4]

SENIOR

17

Social Science
Elective
[3]

MET 4100
Applied Fluid
Mechanics [4]

Multicultural
Elective
(Diversity of US
culture) [3]

MET 4200
Mechanical
Design II [3]

ENGT 3050
Fundamentals of
Electricity [4]

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Humanities
Elective **
[3]

Professional
Development
Elective [3]

Multicultural
Elective
(Non-Western
Tradition) [3]

ENGT 4050
Senior Technology
Capstone [3]

EET 4450
Automatic Control
Systems [4]

** Not necessary if
student double dipped

NOTE: All students must have completed a minimum of 128 semester hours of approved coursework in order to graduate, regardless of whether all courses in the above flowchart are credited.

MET Electives

Professional Development Electives

BLAW 3570	Laws of Structuring and Operating a Business
BUAD 2040	Financial Accounting Information
BUAD 2050	Accounting for Business Decisions
BUAD 2080	Global Environment of Business
BUAD 3010	Principles of Marketing
BUAD 3020	Principles of Manufacturing and Service Systems
BUAD 3030	Managerial and Behavioral Processes
BUAD 3040	Principles of Financial Management
BUAD 3470	Legal and Ethical Environmental of Business
FINA 3060	Personal Finance

Technical Electives

ENGT 2500	Technical Project Management
ENGT 3600	Engineering Economics
MET 4600	Engineering Safety
MIME 2600	Engineering Economics
EEES 3600	Engineering Geology