Engineering Technology, Option 3 (Industrial Engineering Technology), B.S. Degree (43-03282)

This guide is valid for the 2010 Undergraduate Catalog only and is subject to change. This guide is a recommendation only and your actual program may vary. Time to degree and course sequencing will depend on any credits transferred to UCM and on Planned Placement in math, reading, and writing. See the current Undergraduate Catalog (www.ucmo.edu/academics/catalogs) for a complete listing of academic policies, curriculum, prerequisites, and course descriptions.

Freshman Year - Fall Semester
CTE 1300 Introduction To Engineering Design (3) or
GRAP 1110 Fundamentals of Drafting (2)
ENGL 1020 Composition I
ENGT 1000 Principles of Engineering
ENGT 1500 Orientation to Engineering Technology*
GRAP 1105 Basic AutoCAD
MATH 1112 College Trigonometry**

Freshman Year - Spring Semester
ENGL 1030 Composition II
ENGT 2040 Engineering Materials Science
ET 1010 Applied Electricity*
MATH 1131 Applied Calculus

Sophomore Year - Fall Semester
ENGT 1012 Global Production Technology
ENGT 1501 Seminar in Engineering Technology
ENGT 2530 Machine Tool Technology
ENGT 3510 Engineering Planning & Control*
PHYS 1104 Introduction to the Sciences: Physics
General Education

Sophomore Year - Spring Semester
CHEM 1103 Introduction to the Sciences: Chemistry
ECON 1010 Principles of Macroeconomics
ENGT 1501 Seminar in Engineering Technology
ENGT 3530 Inspection & Quality Control*
ENGT 3562 Computer Numerical Control*

Junior Year - Fall Semester
CTE 3060 Technical Writing
ENGT 1501 Seminar in Engineering Technology
ET 1050 Digital Principles & Applications*
INDM 4240 Facilities Engineering*
INDM 4280 Industrial Statistics or
SAFE 4940 Statistical Analysis for Risk Management
General Education

Junior Year - Spring Semester
COMM 3010 Interpersonal Communication
EET 3034 Electronic Instruments & Measurement*
ENGT 1501 Seminar in Engineering Technology
ENGT 3520 Engineering Economy
INDM 4220 Human Factors Engineering*

Senior Year - Fall Semester
ENGT 4520 Robotics & Automation*
ENGT 4550 Simulation in Engineering Technology*
ENGT 4590 Computer Integrated Manufacturing*
PR&T 4032 Hydraulics & Pneumatics
General Education

Senior Year - Spring Semester
ENGT 4590 Quality Systems
ICAP 4110 Engineering Technology Problem Solving*
INDM 4260 Organizational Dynamics
Major option elective***
General Education

Engineering Technology, Option 3 (Industrial Engineering Technology), B.S. Degree – 124-125 hours

• *This class is only offered during the semester indicated.

• **Enrollment in MATH 1112 assumes you have met the prerequisite MATH requirements in your high school curriculum. If you have not met these requirements MATH 1111 or proper MATH placement will be required per University planned placement guidelines.

• ***See departmental advisor for a listing of the approved elective courses within the major.

• To satisfy the General Education Assessment Policy students must take the GEA exam during the semester in which a total of 45 credit hours will be earned. The minimum score of 425 must be achieved by the semester in which 75 credit hours will be earned. Go to UCM Testing Services in MyCentral for more information.