### Freshman Year - Fall Semester

**CTE 1300 Introduction to Engineering Design (3) or GRAP 1110 Fundamentals of Drafting (2)**
- **ENGL 1020 Composition I**
- **ENGT 1500 Orientation to Engineering Technology**
- **ENGT 1510 Introduction to Manufacturing Processes**
- **GRAP 1105 Basic AutoCAD**
- **MATH 1112 College Trigonometry**

**Semester Total**: 12-13 Hrs.

### Freshman Year - Spring Semester

**ENGL 1030 Composition II**
- **ENGT 1000 Principles of Engineering**
- **GRAP 1120 Machine Drafting**
- **GRAP 2170 Introduction to Computer-Aided Drafting**
- **MATH 1131 Applied Calculus**

**Semester Total**: 14 Hrs.

### Sophomore Year - Fall Semester

**ENGT 1012 Global Production Technology**
- **ENGT 1501 Seminar in Engineering Technology**
- **ENGT 2040 Engineering Material Sciences**
- **ET 1010 Applied Electricity**
- **PHYS 1104 Introduction to the Sciences: Physics**

**Semester Total**: 14.5 Hrs.

### Sophomore Year - Spring Semester

**CHEM 1103 Introduction to the Sciences: Chemistry**
- **ECON 1010 Principles of Macroeconomics**
- **ENGT 1501 Seminar in Engineering Technology**
- **ENGT 2515 Applied Manufacturing Processes**
- **ENGT 2530 Machine Tool Technology**

**General Education**: 3 Hrs.

**Semester Total**: 15.5 Hrs.

### Junior Year - Fall Semester

**CTE 3060 Technical Writing**
- **ENGT 1501 Seminar in Engineering Technology**
- **ET 1050 Digital Principles & Applications**
- **GRAP 4170 CAD & Design for Engineering Technology**
- **General Education**

**Semester Total**: 16.5 Hrs.

### Junior Year - Summer Semester

**SOT 3022 Internship in Technology**

**Semester Total**: 2 Hrs.

### Junior Year - Spring Semester

**COMM 3010 Interpersonal Communication**
- **EET 3034 Electronic Instruments & Measurement**
- **ENGT 1501 Seminar in Engineering Technology**
- **ENGT 3530 Inspection & Quality Control**
- **ENGT 3562 Computer Numerical Control**
- **GRAP 4124 Geometric Dim. & Tol. for Engineering Technology**

**Semester Total**: 15.5 Hrs.

### Senior Year - Fall Semester

**ENGT 3520 Engineering Economy**
- **ENGT 4520 Robotics & Automation**
- **ENGT 4590 Computer Integrated Manufacturing**
- **PR&T 4032 Hydraulics & Pneumatics**
- **General Education**

**Semester Total**: 18 Hrs.

### Senior Year - Spring Semester

**ENGT 4580 Quality Systems**
- **ICAP 4110 Engineering Technology Problem Solving**
- **INDM 4260 Organizational Dynamics**
- **Departmentally Approved Major Elective***
- **General Education**

**Semester Total**: 16 Hrs.

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**Engineering Technology, Option 4 (Manufacturing 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 department advisor for a listing of 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.