Engineering Technology, Option 1 (Electronics Engineering Technology) B.S. Degree (43-01282)

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 1500 Orientation to Engineering Technology*
- ET 1026 DC Circuit Analysis*
- GRAP 1105 Basic AutoCAD
- MATH 1112 College Trigonometry**
- General Education

**Semester Total** 13-14 Hrs.

### Freshman Year - Spring Semester
- ENGL 1030 Composition II
- ENGT 1000 Principles of Engineering
- MATH 1131 Applied Calculus
- General Education

**Semester Total** 13 Hrs.

### Sophomore Year - Fall Semester
- ECON 1010 Principles of Macroeconomics
- ENGT 1012 Global Production Technology
- ENGT 1501 Seminar in Engineering Technology
- ET 1050 Digital Principles & Applications*
- PHYS 1104 Introduction to the Sciences: Physics
- General Education

**Semester Total** 16.5 Hrs.

### Sophomore Year - Spring Semester
- CHEM 1103 Introduction to the Sciences: Chemistry
- ENGT 1501 Seminar in Engineering Technology
- ET 2048 Active Electronic Devices*
- ET 2065 Computer Programming for Electronics
- Technology*
- General Education

**Semester Total** 14.5 Hrs.

### Junior Year - Fall Semester
- CTE 3060 Technical Writing
- ENGT 1501 Seminar in Engineering Technology
- ET 2060 Microprocessors: Theory & Applications*
- ET 3017 Industrial Electronics*
- General Education

**Semester Total** 14.5 Hrs.

### Junior Year - Summer Semester
- SOT 3022 Internship in Technology

**Semester Total** 2 Hrs.

### Junior Year - Spring Semester
- EET 3034 Electronic Instruments & Measurement*
- ENGT 3520 Engineering Economy
- ET 3014 Analog-Digital Circuitry*
- General Education

**Semester Total** 17 Hrs.

### Senior Year - Fall Semester
- COMM 3010 Interpersonal Communication
- ENGT 4580 Quality Systems
- ET 3020 Circuit Analysis & Implementation*
- ET 3041 Communication Systems*
- General Education

**Semester Total** 17 Hrs.

### Senior Year - Spring Semester
- EET 2330 Transform Analysis*
- EET 3048 Control of Electrical Machinery*
- ICAP 4110 Engineering Technology Problem Solving
- INDM 4260 Organizational Dynamics
- General Education

**Semester Total** 16 Hrs.

### Engineering Technology, Option 1 (Electronics 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.
- 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.