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

This guide is valid for the 2012 Undergraduate Catalog only and is subject to change. This guide is a recommendation only and your actual program may vary. The time it takes to complete a degree and the sequence in which courses are taken will depend on any credits transferred to UCM and on 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
- **ENGL 1020** Composition I 3 Hrs.
- **ENGT 1500** Orientation to Engineering Technology* 1 Hrs.
- **ET 1010** Applied Electricity 4 Hrs.
- **ET 1026** DC Circuit Analysis* 4 Hrs.
- **MATH 1112** College Trigonometry** 2 Hrs.
- **Semester Total** 14 Hrs.

### Freshman Year - Spring Semester
- **ENGT 1000** Prin. of Engineering or **ENGT 1120** Welding 3 Hrs.
- **ET 1027** AC Circuit Analysis* 4 Hrs.
- **MATH 1131** Applied Calculus 3 Hrs.
- **Semester Total** 16-17 Hrs.

### Sophomore Year - Fall Semester
- **ECON 1010** Principles of Macroeconomics 3 Hrs.
- **ENGT 1012** Global Production Technology 2 Hrs.
- **ENGT 1501** Seminar in Engineering Technology .5 Hrs.
- **ET 1050** Digital Principles & Applications* 4 Hrs.
- **PHYS 1104** Introduction to the Sciences: Physics 4 Hrs.
- **General Education** 3 Hrs.
- **Semester Total** 16.5 Hrs.

### Sophomore Year - Spring Semester
- **CHEM 1103** Introduction to the Sciences: Chemistry 3 Hrs.
- **ENGT 1501** Seminar in Engineering Technology .5 Hrs.
- **ET 2048** Active Electronic Devices* 4 Hrs.
- **ET 2065** Computer Programming for Electronics Tech.* 3 Hrs.
- **General Education** 3 Hrs.
- **Semester Total** 14.5 Hrs.

### Junior Year - Fall Semester
- **ENGT 1501** Seminar in Engineering Technology 3 Hrs.
- **ENGT 3520** Engineering Economy 4 Hrs.
- **ET 2060** Microprocessors: Theory & Applications* 4 Hrs.
- **ET 3017** Industrial Electronics* 4 Hrs.
- **General Education** 3 Hrs.
- **Semester Total** 14.5 Hrs.

### Junior Year - Summer Semester
- **SOT 3022** Internship in Technology 3 Hrs.
- **Semester Total** 3 Hrs.

### Junior Year - Spring Semester
- **ET 3014** Analog-Digital Circuitry* 4 Hrs.
- **General Education** 6 Hrs.
- **Semester Total** 16.5 Hrs.

### Senior Year - Fall Semester
- **COMM 3010** Interpersonal Communication 3 Hrs.
- **ENGT 4520** Robotics and Automation 3 Hrs.
- **ET 3020** Circuit Analysis & Implementation* 4 Hrs.
- **ET 3041** Communication Systems* 4 Hrs.
- **Semester Total** 14 Hrs.

### Senior Year - Spring Semester
- **ENGT 3530** Inspection and Quality Control 3 Hrs.
- **ICAP 4110** Engineering Technology Problem Solving 3 Hrs.
- **INDM 4250** Project Management 3 Hrs.
- **General Education** 6 Hrs.
- **Semester Total** 15 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.