Electronics Technology Major (Area 1 Electrical/Electronic Comm. Tech.), B.S. Degree (43-01221)

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.

**Electronics Technology Major (Area 1 Electrical/Electronic Communication Technology)**

**B.S. Degree - 121 hours**

- **Freshman Year - Fall Semester**
  - ENGL 1020 Composition I
  - ET 1026 DC Circuit Analysis*
  - ET 1050 Digital Principles & Applications*
  - MATH 1111 College Algebra
  - General Education
  - **Total** 16

- **Fall Semester**
  - AE 1400 Freshman Seminar**
  - **Total** 1

- **Sophomore Year - Fall Semester**
  - CHEM 1104 Introduction to the Sciences: Chemistry
  - ET 2060 Microprocessors: Theory & Applications*
  - ET 3020 Circuit Analysis & Implementation*
  - MATH 1131 Applied Calculus or TECH 2040 Calculus for Technology
  - **Total** 15

- **Fall Semester**
  - AE 1030 Composition II
  - ET 1027 AC Circuit Analysis*
  - ET 2048 Active Electronic Devices*
  - MATH 1112 College Trigonometry or TECH 1042 Technical Mathematics II
  - **Total** 13-14

- **Junior Year - Fall Semester**
  - CTE 3060 Technical Writing
  - ET 3060 Microprocessors: Theory & Applications*
  - ET 3041 Communication Systems*
  - MGT 3315 Management of Organizations or INDM 4210 Industrial Management
  - **Total** 14

- **Fall Semester**
  - COMM 1000 Public Speaking
  - ET 2065 Computer Programming for Electronics Tech.*
  - PHYS 1104 Introduction to the Sciences: Physics
  - **Total** 14

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

- **Senior Year - Fall Semester**
  - Departmentally Approved Area 1 Elective***
  - Management Elective#
  - General Education
  - **Total** 15

- **Fall Semester**
  - Departmentally Approved Area 1 Elective***
  - General Education
  - **Total** 14-15

- **Hrs.**
  - **Fall Semester**
    - ENGL 1020 Composition I
    - ET 1026 DC Circuit Analysis*
    - ET 1050 Digital Principles & Applications*
    - MATH 1111 College Algebra
    - General Education
    - AE 1400 Freshman Seminar**
    - CHEM 1104 Introduction to the Sciences: Chemistry
    - ET 2060 Microprocessors: Theory & Applications*
    - ET 3020 Circuit Analysis & Implementation*
    - MATH 1131 Applied Calculus or TECH 2040 Calculus for Technology
    - COMM 1000 Public Speaking
    - ET 3060 Microprocessors: Theory & Applications*
    - ET 3041 Communication Systems*
    - MGT 3315 Management of Organizations or INDM 4210 Industrial Management
    - SOT 3022 Internship in Technology
    - **Total** 16

- **Hrs.**
  - **Spring Semester**
    - ENGL 1030 Composition II
    - ET 1027 AC Circuit Analysis*
    - ET 2048 Active Electronic Devices*
    - MATH 1112 College Trigonometry or TECH 1042 Technical Mathematics II
    - ET 1027 AC Circuit Analysis*
    - ET 2048 Active Electronic Devices*
    - MATH 1112 College Trigonometry or TECH 1042 Technical Mathematics II
    - **Total** 13-14

- **Hrs.**
  - **Spring Semester**
    - COMM 1000 Public Speaking
    - ET 2065 Computer Programming for Electronics Tech.*
    - PHYS 1104 Introduction to the Sciences: Physics
    - General Education
    - **Total** 14

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

- **Hrs.**
  - **Spring Semester**
    - ET 3014 Analog-Digital Circuitry*
    - IGEN 3116 Creative Problem Solving or ICAP 4110 Engineering Technology Problem Solving
    - Departmentally Approved Area 1 Electives***
    - General Education
    - **Total** 16

- **Hrs.**
  - **Spring Semester**
    - Departmentally Approved Area 1 Elective***
    - General Education
    - **Total** 14-15

**Notes:**

- *This class is only offered during the semester indicated.
- **AE 1400 is a free choice elective and is highly recommended for academic success. If AE 1400 is chosen, 1 less hour of free choice electives will be needed.
- ***See department chairperson for appropriate choices for the Departmentally Approved Area 1 Electives. Eleven hours are required, two hours must be at the upper-level (3000/4000).
- #See department chairperson for appropriate choices for the Management Elective.
- 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.