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

This guide is valid for the 2014 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.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Details</th>
<th>Hours</th>
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| Freshman Year - Fall Semester | ENGL 1020 Composition I (GE)  
ENGT 1500 Orientation to Engineering Technology*  
ET 1010 Applied Electricity  
ET 1026 DC Circuit Analysis*  
MATH 1112 College Trigonometry** | 14    |
| Freshman Year - Spring Semester | CADD 1105 Basic AutoCAD  
CTE 1300 Introduction to Engineering Design or  
CADD 1110 Fundamentals of Drafting  
CTE 3060 Technical Writing (GE)  
ENGT 1000 Principles of Engineering or ENGT 1120 Welding  
ET 1027 AC Circuit Analysis*  
MATH 1131 Applied Calculus (GE) | 17    |
| Sophomore Year - Fall Semester | ECON 1010 Principles of Macroeconomics (GE)  
ENGT 1501 Seminar in Engineering Technology  
ET 1050 Digital Principles & Applications*  
PHYS 1101 College Physics I (GE)  
General Education Managing Information | 14-15 |
| Sophomore Year - Spring Semester | CADD 1105 Basic AutoCAD  
CTE 1300 Introduction to the Sciences: Chemistry (GE)  
COMM 1000 Public Speaking (GE)  
ET 2048 Active Electronic Devices*  
ET 2065 Computer Programming for Electronics Tech.* | 14    |
| Junior Year - Fall Semester | ENGT 1501 Seminar in Engineering Technology  
ENGT 3520 Engineering Economy  
ET 2060 Microprocessors: Theory & Applications*  
ET 3017 Industrial Electronics*  
General Education | 15    |
| Junior Year - Summer Semester | SOT 3022 Internship in Technology | 3     |
| Junior Year - Spring Semester | ENGT 4580 Quality Systems  
ET 3014 Analog-Digital Circuitry*  
General Education | 9     |
| Senior Year - Fall Semester | ENGT 4520 Robotics and Automation  
ET 3020 Circuit Analysis & Implementation*  
ET 3041 Communication Systems*  
Departmentally Approved Option 1 Elective*** | 14    |
| Senior Year - Spring Semester | ENGT 3530 Inspection and Quality Control  
ENGT 4110 Engineering Technology Problem Solving  
CMGT 3320 Principles of Construction Management or  
INDM 4250 Project Management  
General Education | 6     |

**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 course recommendations.***

To satisfy the General Education Assessment (GEA) Policy, students must take the GEA after they earn 45 credit hours but before earning 75 credit hours. Transfer students who have more than 45 hours earned should take the exam during their second semester at UCM. Students must achieve a passing score of 425 to meet graduation requirements. Students may register for the GEA through MyCentral. Contact UCM Testing Services (HUM 218, 660-543-4919, testingservices@ucmo.edu) for more information.