### Engineering Technology, Option 4 (Civil Engineering Tech., Infrastructure Project Admin. Emphasis) B.S. Degree (43-04282)

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.

**Freshman Year - Fall Semester**
- CADD 1105 Basic AutoCAD
- CADD 1110 Fundamentals of Drafting or CTE 1300 Introduction to Engineering Design
- ENGL 1020 Composition I (GE)
- ENGT 1000 Principles of Engineering or ENGT 1120 Welding
- ENGT 1500 Orientation to Engineering Technology*
- MATH 1112 College Trigonometry**

**Freshman Year - Spring Semester**
- CADD 2160 Structural Drafting
- COMA 1000 Public Speaking (GE)
- CTE 3060 Technical Writing (GE)
- EASC 1004 Introduction to Geology (GE)
- MATH 1131 Applied Calculus (GE)

**Sophomore Year - Fall Semester**
- CMGT 2020 Statics
- ENGT 1501 Seminar in Engineering Technology
- ENGT 2040 Engineering Material Sciences
- PHYS 1101 College Physics I (GE)
- General Education

**Sophomore Year - Spring Semester**
- CMGT 2325 Project Cost Estimating
- CMGT 3020 Applied Strengths of Materials
- EASC 2100 Engineering Geology
- ET 1010 Applied Electricity

**Junior Year - Fall Semester**
- CADD 2171 Introduction to MicroStation
- CMGT 3320 Principles of Construction Management or INDM 4250 Project Management
- ENGT 1501 Seminar in Engineering Technology
- ENGT 3520 Engineering Economy*
- ENGT 4140 Soils and Foundation Design*

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

**Junior Year - Spring Semester**
- CADD 3150 Civil Drafting
- CMGT 4380 Heavy Construction Methods and Materials
- ECON 1010 Principles of Macroeconomics (GE)
- ENGT 4120 Hydrology and Drainage Design*
- General Education

**Senior Year - Fall Semester**
- CMGT 4310 Construction Safety
- ENGT 4160 Transportation Systems Design*
- ENGT 4180 Water and Wastewater Systems Design*
- General Education

**Senior Year - Spring Semester**
- ENGT 4110 Engineering Technology Problem Solving
- ENGT 4580 Quality Systems

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**Engineering Technology, Option 4 (Civil Engineering Technology, Infrastructure Project Administration) B.S. Degree - 121 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 (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 216, 660-543-4919, testingservices@ucmo.edu] for more information.