Medical Technology, B.S. Degree (43-384)

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
- **BIOL 1000** The Discipline of Biology and Earth Science (1)
- **BIOL 1110** Principles of Biology or **BIOL 1112** Animal Biology* (3-4)
- **CHEM 1131** General Chemistry I (GE) (5)
- **ENGL 1020** Composition I (GE) (3)
- **MATH 1111** College Algebra (GE) (3)

**Semester Total**: 15-16 Hrs

### Freshman Year - Spring Semester
- **BIOL 2512** Cell Biology (3)
- **BIOL 3401** Human Anatomy (3)
- **ENGL 1030** Composition II or **CTE 3060** Technical Writing (3)
- **General Education**: 17 Hrs

### Sophomore Year - Fall Semester
- **BIOL 3402** Human Physiology (5)
- **BIOL 3511** Genetics (4)
- **CHEM 3341** Organic Chemistry I (4)
- **General Education**: 3 Hrs

**Semester Total**: 16 Hrs

### Sophomore Year - Spring Semester
- **BIOL 3611** Microbiology (4)
- **BIOL 4514** Molecular Biology (3)
- **MATH 1300** Basic Statistics (GE)** or **PSY 4520** Statistics for Behavioral Sciences (3)
- **General Education**: 6 Hrs

**Semester Total**: 17 Hrs

### Junior Year - Fall Semester
- **BIOL 4002** Life Science Senior Seminar (1)
- **BIOL 4311** Parasitology (4)
- **CHEM 3421** Intermediate Biochemistry (3)
- **General Education**: 8 Hrs

**Semester Total**: 16 Hrs

### Junior Year - Spring Semester
- **BIOL 3413** Immunology (3)
- **BIOL 4516** Hematology/Virology+ (3)
- **General Education**: 9 Hrs

**Semester Total**: 15 Hrs

### Senior Year - Summer Semester
- **BIOL 4015** Clinical Immunohematology (4)
- **BIOL 4016** Clinical Urinalysis (2)

**Semester Total**: 6 Hrs

### Senior Year - Fall Semester
- **BIOL 4017** Clinical Microbiology (7)
- **BIOL 4018** Clinical Immunology (5)

**Semester Total**: 12 Hrs

### Senior Year - Spring Semester
- **BIOL 4019** Clinical Biochemistry (7)
- **BIOL 4020** Clinical Hematology (4)
- **BIOL 4021** Clinical Special Topics (1)

**Semester Total**: 12 Hrs

**Medical Technology, B.S. Degree - 122-126 hours++**

- *BIOL 1112 is recommended over BIOL 1110.
- **If MATH 1300 is chosen, it will count towards both the major and in general education.
- +BIOL 4516 is only taught in the spring semesters of even numbered years. Adjust your schedule accordingly.
- **Total degree hours vary based on course choices made in the major (BIOL 1110 or 1112) and possible overlap with general education (MATH 1300 chosen over PSY 4520).
- 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.