Program: Biology
Major: Biology-Medical Laboratory Science
Degree: Bachelor of Science (B.S.)

**University Core (Total Listed 42-44)**

**Minimum Required Hours**

**Support Courses**

Support Courses .................................................... 0-3

Students majoring in Biology-Medical Laboratory Science are encouraged to complete the following courses in high school.

Two years of high school algebra OR
MATH 1513 College Algebra

**Major Requirements**

Biology-Medical Laboratory Sciences .............. 87

Students may earn the B.S. in Biology-Medical Laboratory Science from UCO upon completion of the following three-year curriculum and an additional one year in a hospital school approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

**Biology and Chemistry ........................................... 47**

Required Courses:
- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity
- BIO 2203 Cell Biology
- BIO 2211 Cell Biology Laboratory
- BIO 2604 Human Physiology and Lab
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 4515 Pathogenic Microbiology and Immunology and Lab
- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I-Recitation/Lab
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II-Recitation/Lab
- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab
- CHEM 3403 Biochemistry I

**Mathematics ......................................................... 6**

Required courses:
- MATH 2153 BioCalculus
- STAT 2103 Intro Statistics for Sciences

**Elective Biology and/or Chemistry ....................... 4**

Selected from the following courses:
- BIO 3403 Comparative Animal Physiology OR
- BIO 3464 Comparative Animal Physiology and Lab
- BIO 3414 Histology and Lab

**American Historical and Political Analysis .................. 6**

American National Government .................................. 3
American History .................................................... 3

**Cultural and Language Analysis ............................... 3-4**

Second Language .................................................. 4
OR
Cultural Analysis ................................................... 3

**Social and Behavioral Analysis ............................... 3**

Life Skills ................................................................ 5
Required Health Course ............................................ 2
Elective Life Skills ..................................................... 3

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ........................................... 2.00
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see pages 68-69 of the 2018-2019 catalog.