University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 98-99.
- Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication ........................................ 9
Quantitative Reasoning/Scientific Method ...................... 10-11
  - Math ........................................................................ 3
  - Life Science ............................................................... 4
  - Physical Science ..................................................... 3-4
Critical Inquiry and Aesthetic Analysis ........................... 6
  Aesthetic Analysis ....................................................... 3
  Critical Inquiry .......................................................... 3

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 I for Majors
- BIO 1225 Biology II for Majors and Lab
- 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 69-70 of the 2016-2017 catalog.