Program: Chemistry  
Major: Chemistry - Health Sciences  
Degree: Bachelor of Science (B.S.)

University Core  (Total Listed 42-44)

Specific courses within the University Core are listed on pages 96-97.

- 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

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

Support Courses ................................................................. 0-6
Required Courses:
  MATH 1513 College Algebra OR
  MATH 1533 Algebra for STEM OR Placement Score
  AND
  MATH 1593 Plane Trigonometry OR Placement Score

Major Requirements

Chemistry - Health Sciences .................................................. 76

Common Core ............................................................................. 56
Required courses:
  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 2104 Quantitative Analysis and Lab
  CHEM 2621 Professionalism in Chemistry I
  CHEM 3303 Organic Chemistry I
  CHEM 3312 Organic Chemistry I Lab
  CHEM 3323 Organic Chemistry II
  CHEM 3332 Organic Chemistry II Lab
  CHEM 3454 Fundamentals of Instrumental Analysis and Lab
  CHEM 3621 Professionalism in Chemistry II
  BIO 1204 Biology I for Majors
  BIO 1225 Biology II for Majors and Lab
  BIO 2203 Cell Biology
  MATH 2153 Bio-Calculus
  PHY 1114 General Physics I and Lab
  PHY 1214 General Physics II and Lab
  STAT 2103 Intro Statistics for Sciences

Advanced Course work .............................................................. 20
Required courses: ................................................................. 14
  BIO 3054 Microbiology for Majors and Lab
  CHEM 3203 Introductory Physical Chemistry
  CHEM 3403 Biochemistry I

Minimum Grade Requirements

1. Average in (a) all college course work, and (b) course work at UCO ................................................................. 2.25
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 67-68 of the 2017-2018 catalog.