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

Dept: Chemistry  
College: Mathematics and Science  
Major Code: 6062

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 95-96.  
• 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

Support Courses ................................................................. 0-6
Required Courses:
MATH 1533 Prealgebra  
MATH 1513 College Algebra 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 for Majors: Principles  
BIO 1225 Biology for Majors: Diversity  
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  
CHEM 3442 Experimental Biochemistry  
CHEM 4892 Capstone for Chemistry

Elective Chemistry (3000/4000 level) ............................................ 6

Electives to bring total to ....................................................... 124

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 66-67 of the 2019-2020 catalog.