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

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

University Core (Total Listed 42-44)

For a full list of courses see University Core.

- 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
- Cultural Analysis ..................................................... 3

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

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

Support Courses ........................................................................ 0-6

Support Courses

Required Courses:
- MATH 1453 Applied Algebra OR
- MATH 1513 College Algebra OR Placement Score OR
- MATH 1533 Precalculus-Algebra OR Placement Score AND
- MATH 1593 Plane Trigonometry OR Placement Score

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

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

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 Academic Degree Requirements.