

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 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

Minimum
Required Hours

Minimum
Required Hours

Support Courses

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

CHEM 3442 Experimental Biochemistry

CHEM 4892 Capstone for Chemistry

Elective Chemistry (3000/4000 level) 6

Electives to bring total to..... 124

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

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 68-69 of the 2018-2019 catalog.