

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 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.