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

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

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

Major Requirements

Chemistry - Health Sciences ............................................. 75

Common Core ................................................................. 55
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 1224 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

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.