

B.S.ED. IN CHEMISTRY

College of the Sciences and Mathematics

Curriculum

General Education Requirements (<http://catalog.wcupa.edu/undergraduate/general-education-requirements>)

English Composition requirements	6
Mathematics requirement	3
Public Speaking requirement	3
Science requirements	6
Behavioral & Social Science requirements	6
PSY 100 Introduction to Psychology	
Humanities requirements	6
PHI 180 Introduction to Ethics	
Must take a LIT Course	
Arts requirement	3
Diverse Communities requirement	3
Interdisciplinary requirement	3
Student Electives	9
Writing Emphasis requirements	9

Major Core Requirements

CHE 103 General Chemistry I	3
CHE 104 General Chemistry II	3
CHE 231 Organic Chemistry I	4
CHE 232 Organic Chemistry II	3
CHE 321 Analytical Chemistry I	3
CHE 418 Chemical Information	1
CHE 476 Biochemistry I	3
CHE 491 Seminar in Chemistry	1
CRL 103 Experimental General Chemistry I (LAB)	1
CRL 104 Experimental General Chemistry II (LAB)	1
CRL 231 Experimental Organic Chemistry I Lab	2
CRL 321 Analytical Chemistry I Lab	2
BIO 110 General Biology	3
PHY 170 Physics I	4
PHY 180 Physics II	4
MAT 161 Calculus I	4
MAT 162 Calculus II	4

Other Major Requirements¹

CHE 341 Physical Chemistry I	4
CHE 411 Advanced Inorganic Chemistry	3
CRL 232 Experimental Organic Chemistry II Lab	2
CRL 341 Experimental Physical Chemistry Lab	2

Lab safety exam must be passed before application for graduation. See advisor for more information

Education Requirements

EDA 103 Foundations of Special Education	3
EDA 304 Special Ed Processes/Procedures for Secondary Educators	3
EDF 300 Democracy and Education	3
EDP 250 Educational Psychology	3
EDS 306 Teaching Principles and Field Experience in Secondary Schools	3
EDS 411 Student Teaching Sec - 1st Half	6
EDS 412 Student Teaching Sec - 2nd Half	6
EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms	3

LAN 382 Teaching English Language Learners PK-12 ³	3
or ENG 382 Teaching English Language Learners PK-12	
SCE 350 Science Education in the Secondary School ³	3
or SCB 350 Science Education in Secondary School	
ENG 382 Teaching English Language Learners PK-12	3
Total Minimum Credits Required	126

- ¹ PHY 170 and BIO 110 (or CSC 141) fulfill science general education requirements.
- ² Students in this program must take a LIT course and PHI 180 as humanities general education courses, and PSY 100 is recommended as a behavioral/social science general education course.
- ³ SCE 350 and LAN 382/ENG 382 fulfill the diverse communities requirement, and EDF 300 fulfills the interdisciplinary requirement.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.