WEST CHESTER UNIVERSITY **B.S. IN CHEMISTRY**

B.S. IN CHEMISTRY

College of the Sciences and Mathematics

Curriculum

Code	Title	Credits
	CATION REQUIREMENTS (http:// /undergraduate/general-education-	
Academic Foundat	ions	
First Year Experien		4
English Composition	•	6-7
Mathematics requir	-	3-4
Interdisciplinary red		3
Diverse Communit	•	3
Ethics requirement	•	3
	linary Foundations	
Science requiremen		6-8
Behavioral & Social	Science requirement	6
Humanities require	ment	6
Arts requirement		3
REQUIREMENT	ACCALAUREATE 'S (http://catalog.wcupa.edu/ ueral-education-requirements/)	
University Require	ments	
Writing Emphasis	requirement	9
Speaking Emphasis	requirement	9
Degree Requireme	ents	
Capstone requireme		1-15
MAJOR REQUIR	REMENTS	
Core Courses 1		
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
CRL 103	General Chemistry I Lab	1
CRL 104	General Chemistry II Lab	1
CRL 231	Organic Chemistry I Lab	2
CRL 321	Analytical Chemistry I Lab	2
PHY 170	Physics I	4
PHY 180	Physics II	2.4
BIO 110	General Biology I	3-4
or CSC 141	Computer Science I	
MAT 161 MAT 162	Calculus I Calculus II	4
Other Required Co		4
CHE 341	Physical Chemistry I	4
CHE 341	Physical Chemistry II	3
CHE 411	Advanced Inorganic Chemistry	3
CHE 424	Advanced Analytical Chemistry	3
CRL 232	Organic Chemistry II Lab	2
CRL 341	Physical Chemistry I Lab	2
CRL 341	Physical Chemistry II Lab	2
CRL 411	Inorganic Syntheses Lab	2
CRL 424	Analytical Chemistry II Lab	2
VIII 12T	1 mary treat Chemistry 11 Lab	2

Lab safety exam must be passed before application for graduation. See advisor for more information				
Chemistry Electives				
	Group A Electives:		3	3
	CHE 333	Advanced Organic Chemistry		
	or CHE 477	Biochemistry II		
	Group B Electives:		(

Select 6 semester hours from upper-division chemistry

Capstone Requ	irement	
CHE 491	Seminar in Chemistry ^{1,2}	1
Total Minimus	120	

¹ A grade of C- or better is necessary in all required science and mathematics courses.

This course fulfills the Capstone 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 (http://wcupa.edu/ degreeprogressreport/).

The following is a sample suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Course Year One Fall	Title	Credits
CHE 103 & CRL 103	General Chemistry I and General Chemistry I Lab	4
MAT 161	Calculus I	4
WRT 120	Effective Writing I	3
FYE 100X	First Year Experience	4
	Credits	15
Spring		
CHE 104 & CRL 104	General Chemistry II and General Chemistry II Lab	4
MAT 162	Calculus II	4
WRT 2XX	200-Level WRT Course	3
Behavioral &	Social Science Gen Ed	3
	Credits	14
Year Two Fall		
CHE 231 & CRL 231	Organic Chemistry I and Organic Chemistry I Lab	6
CHE 321 & CRL 321	Analytical Chemistry I and Analytical Chemistry I Lab	5
PHY 170	Physics I	4
	Credits	15
Spring		
CHE 232 & CRL 232	Organic Chemistry II and Organic Chemistry II Lab	5
CSC 141	Computer Science I	3
PHY 180	Physics II	4
Arts Gen Ed	·	3
Department Safety Examination		
	Credits	15

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Fall		
CHE 341 & CRL 341	Physical Chemistry I and Physical Chemistry I Lab	6
CHE 409	Descriptive Inorganic Chemistry	3
CHE 418	Chemical Information	1
Humanities (Gen Ed	3
Behavioral & Social Science Gen Ed		
	Credits	16
Spring		
CHE 342 & CRL 342	Physical Chemistry II and Physical Chemistry II Lab	5
CHE 424 & CRL 424	Advanced Analytical Chemistry and Analytical Chemistry II Lab	5
CHE XXX	Chemistry Elective (Group A) ¹	3
Humanities Gen Ed		
	Credits	16
Year Four		
Fal1		
CHE 476	Biochemistry I	3
CHE 491	Seminar in Chemistry	1
CHE XXX	Chemistry Elective (Group B) ²	3
Student Electives 6		
	Credits	13
Spring		
CHE 411 & CRL 411	Advanced Inorganic Chemistry and Inorganic Syntheses Lab	5
CHE XXX	Chemistry Elective (Group B) ²	3
Interdisciplinary Gen Ed		3
Student Electives		
	Credits	16
	Total Credits	120

Year Three

 $^{^{1}\,}$ Group A chemistry electives include CHE 333 and CHE 477. Group B chemistry electives include any approved 300/400-level elective in chemistry.