



BACHELOR of SCIENCE in CHEMISTRY (#623)
Teacher Certification; Double-Major with SKyTeach – Science and Math Education (SMED)
 Department of Chemistry
 Ogden College of Science and Engineering
 Western Kentucky University

The following four-year plan is an example of how to map your program in consultation with your faculty advisor. Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
<i>Visit the AARC for free tutoring</i>	CHEM 120/121 – College Chemistry I & Lab (E-NS, LS)	5	CHEM 222/223 – College Chemistry II & Lab	5
	MATH 117 – Trigonometry (F-QR)	3	MATH 136 – Calculus I	4
	SMED 101 – Introduction to Inquiry-Based Approaches to Teaching	1	SMED 102 – Introduction to Inquiry-Based Lesson Design	2
	ENG 100 Intro to College Writing (F-W1)	3	COMM 145 Fund of Public Speaking & Communications (F-OC)	3
	HIST 101 World History I OR HIST 102 World History II (F-SB)	3	World Language, if necessary, OR General Elective	2-3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	16-17

SECOND YEAR	Fall Semester		Spring Semester	
<i>Volunteer or Join a Student Organization like Chemistry Club</i>	CHEM 330 – Quantitative Analysis	5	CHEM 314 – Introduction to Organic Chemistry	5
	PHYS 231/232 – Physics & Biophysics I &lab (E-NS, LS)	4	PHYS 332/233 – Physics & Biophysics II & Lab	4
	SMED 210 – Knowing and Learning in Mathematics and Science	3	SMED 320 – Classroom Interactions	3
	ENG 200 Introduction to Literature (F-AH)	3	SPED 330 – Introduction to Exceptional Education: Diversity in Learning	3
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15	

World Language Proficiency: All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to www.wku.edu/modernlanguages/placement/.

THIRD YEAR	Fall Semester		Spring Semester	
<i>Visit Career Services</i>	CHEM 320 – Principles of Inorganic Chemistry	3	CHEM 446/447 – Biochemistry I (with Lab)	5
	CHEM 399 – Research Problems in Chemistry	2	GEOL 111 – The Earth (with Lab)	4
	SMED 340 – Perspectives on Mathematics and Science	3	SMED 360 – Research Methods for Math and Science Teachers	3
	Exploration – Social & Behavior Sciences (E-SB)	3	Exploration – Arts & Humanities (E-AH)	3
	Connections – Social Cultural(K-SB)	3		
	ENG 300 Writing in Disciplines (F-W2)	3		
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	15

FOURTH YEAR	Fall Semester		Spring Semester	
<i>Apply for Graduation CLICK HERE</i>	CHEM 412 – Intro to Physical Chemistry	5	SEC 490 – Student Teaching	10
	SMED 470 – Project Based Instruction	3	SMED 489 – Student Teaching Seminar	3
	Connections – Local to Global (K-LG)	3		
	Exploration	3		
	Connections – Systems (K-SY)	3		
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	13

Total Credit Hours:123

* Denotes prerequisite courses before admission

PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change. Consult your advisor each semester.

Course Descriptions may be viewed at <http://www.wku.edu/catalog>

Note: World Language requirement can be met by examination

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

For more Information:

Department: Chemistry

Website: www.wku.edu/chemistry

Phone: Chemistry – (270) 745-3457

Email: chemistry@wku.edu

Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>