



**BACHELOR of SCIENCE in CHEMISTRY (#623)**

**ACS Certification**

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.

<b>Success Markers</b>		<b>SAMPLE - 4 year plan</b>			
<b>FIRST YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>		
<i>Visit the AARC for free tutoring</i>	CHEM 120/121 – College Chemistry I & Lab (E-NS, SL)	5	CHEM 222/223 – College Chemistry II & Lab	5	
	MATH 136 – Calculus I (F-QR)	4	MATH 137 – Calculus II	4	
	ENG 100 Intro to College Writing (F-W1)	3	COMM 145 Fund Public Speaking & Communications (F-OC)	3	
	World Language Requirement or General Elective	3	General Elective	3	
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	

<b>SECOND YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	CHEM 330 – Quantitative Analysis & Lab	5	CHEM 340/341 – Organic Chemistry I & Lab	5
	PHYS 255/256 – University Physics I & Lab (E-NS, SL)	5	PHYS 265/266 – University Physics II & Lab	5
	Elective	3	ENG 300 Writing in the Disciplines (F-W2)	3
	ENG 200 Intro to Literature (E-AH)	3	HIST 101 World History I OR HIST 102 World History II (F-SB)	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

**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/](http://www.wku.edu/modernlanguages/placement/).

THIRD YEAR	Fall Semester		Spring Semester	
<i>Visit <a href="#">Career Services</a></i>	CHEM 342/343 – Organic Chemistry II & Lab	5	CHEM 452/453 – Physical Chemistry II & lab	5
	CHEM 450/451 – Physical Chemistry I & Lab	5	Arts & Humanities (E-AH)	3
	General Elective	4	Social & Behavior Studies (E-SB)	3
	CHEM 398 – Undergraduate Seminary	1	General Elective	3
			CHEM 399 – Lab Research (Elective)	1
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	

FOURTH YEAR	Fall Semester		Spring Semester	
<i>Apply for Graduation <a href="#">CLICK HERE</a></i>	CHEM 435 – Instrumental Analysis	3	CHEM 420/421 – Inorganic Chemistry & Lab	4
	CHEM 446 – Biochemistry I	3	CHEM 399 – Lab Research (Elective)	2
	CHEM 399 – Lab Research (Elective)	1	General Elective	3
	General Elective	3	Connections – Social & Cultural (K-SY)	3
	Connections – Local to Global (K-LG)	3	General Elective	3
	Connections – Systems (K-SY)	3		
<i>Celebrate!</i>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

**Total Credit Hours:120**

\* Required Only if Minor is not in the Natural Sciences

**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>

**For more Information:**

**Department:** Chemistry

**Website:** [www.wku.edu/chemistry](http://www.wku.edu/chemistry)

**Phone:** Chemistry – (270) 745-3457

**Email:** [chemistry@wku.edu](mailto:chemistry@wku.edu)

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