



**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.

**Success Markers**

**SAMPLE - 4 year plan**

<b>FIRST YEAR</b>  <i>Visit the AARC for free tutoring</i>	Fall Semester		Spring Semester	
	CHEM 120/121 – College Chemistry I (with a Lab)	5	CHEM 222/223 – College Chemistry 2 (with a Lab)	5
	MATH 117 - Trigonometry	5	MATH 136 – Calculus 1	4
	ENG 100 – Intro to College Writing	3	General Education Course A-III	3
	HIST 119 – Western Civ to 1648 <b>OR</b> HIST 120 – Western Civ Since 1648	3	General Education Course B-II	3
	General Education Course F	1		
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

<b>SECOND YEAR</b>  <i>Volunteer or Join a Student Organization like Chemistry Club</i>	Fall Semester		Spring Semester	
	CHEM 340/341 – Organic Chemistry I (with a Lab)	5	CHEM 342/343 – Organic Chemistry II (with a Lab)	5
	PHYS 255/256 – University Physics I (with a Lab)	5	PHYS 265/266 – University Physics II (with a Lab)	5
	MATH 137 – Calculus II	4	General Education Course F	1
	General Education Course B-I	3	CHEM 330 – Quantitative Analysis	5
	<b>TOTAL CREDIT HOURS</b>	<b>17</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

<b>SUMMER TERM</b>  <i>Study Abroad! Why not visit South Africa?</i>	Summer Term	
	<b>TOTAL CREDIT HOURS</b>	

THIRD YEAR	Fall Semester		Spring Semester	
		CHEM 450/451 – Physical Chemistry I (with a Lab)	5	CHEM 452/453 – Physical Chemistry II (with a Lab)
<i>Visit <a href="#">Career Services</a></i>	General Education Course B-II	3	General Education Course E	3
	ENG 300 – Writing in the Disciplines	3	General Education Course C	3
	CHEM 446 – Biochemistry I	3	General Education Course D-I*	3
	CHEM 398 – Undergraduate Seminary	1	CHEM 399 – Research Problems in Chemistry	1
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

FOURTH YEAR	Fall Semester		Spring Semester	
		CHEM 435 – Instrumental Analysis	3	CHEM 420/421 – Inorganic Chemistry (with a Lab)
<i>Apply for Graduation <a href="#">CLICK HERE</a></i>	General Education Course A-II	3	General Elective	3
	General Education Course C	3	General Elective	3
	General Elective	3 or 4	General Elective	3
	CHEM 399 – Research Problems in Chemistry	1		
	<b>TOTAL CREDIT HOURS</b>	<b>13/14</b>	<b>TOTAL CREDIT HOURS</b>	<b>13</b>
				<b>Total Credit Hours:120</b>

\* 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/>