



**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 & Lab	5	CHEM 222/223 – College Chemistry II & Lab	5
	MATH 136 – Calculus I	4	MATH 137 – Calculus II	4
	Foundation – College Composition	3	Foundation – Literary Studies	3
	Exploration – Arts & Humanities	3	Foundation – World History	3
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

<b>SECOND YEAR</b>	Fall Semester		Spring Semester	
	CHEM 330 – Quantitative Analysis & Lab	5	CHEM 340/341 – Organic Chemistry I & Lab	5
	PHYS 255/256 – University Physics I & Lab	5	PHYS 265/266 – University Physics II & Lab	5
	Foundation – Writing in Discipline	3	MATH 237 – Multivariable Calculus (Recommended)	4
	CHEM 320 – Inorganic Chemistry I	3		
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>14</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 342/343 – Organic Chemistry II & Lab	5	CHEM 452/453 – Physical Chemistry II & lab
<i>Visit <a href="#">Career Services</a></i>	CHEM 450/451 – Physical Chemistry I & Lab	5	CHEM 446 – Biochem I	3
	CHEM 398 – Undergraduate Seminar	1	Explorations – Social & Behavior Sciences	3
	Foundation – Human Communication	3	CHEM 399 – Lab Research	1
	CHEM 399 – Lab Research	1	Connections – Local to Global	3
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

FOURTH YEAR	Fall Semester		Spring Semester	
		CHEM 435/436 – Instrumental Analysis & Lab	5	CHEM 420 – Inorganic Chemistry
<i>Apply for Graduation <a href="#">CLICK HERE</a></i>	CHEM 399 – Lab Research (Elective)	1	CHEM 421 – Inorganic Lab	1
	Connections - Systems	3	CHEM 399 – Lab Research (Elective)	2
	Elective	6	Connections – Social & Cultural	3
<i>Celebrate!</i>			Elective	6
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

**Total Credit Hours:120**

**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/undergradatecatalog/>