



**BACHELOR of SCIENCE in CHEMISTRY (#623)
ACS-APPROVED MAJOR**

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 <i>Visit ACDC to meet your professional advisor</i> <i>Volunteer or Join a Student Organization like Chemistry Club</i>	Fall Semester		Spring Semester	
	CHEM 120/121 College Chemistry I & Lab	5	CHEM 222/223 College Chemistry II & Lab	5
Colonnade Quantitative Reasoning MATH 136 – Calculus I	4	MATH 137 Calculus II	4	
Colonnade Foundations (F-W1) ENG 100 – Intro to College Writing	3	Colonnade Foundations (F-OC) COMM 145 – Fund. of Speaking/Comm	3	
Colonnade Explorations (E-SB) Social & Behavior Sciences (e.g. PSYS 100)	3	Colonnade Foundations (F-AH) ENG 200 – Intro to Literature	3	
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15	

SECOND YEAR <i>Explore Research Opportunities with Faculty Members</i> <i>Visit ACDC to discuss Career Development advice</i>	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	
CHEM 320 Fundamentals of Inorganic Chemistry	3	MATH 237 Multivariable Calculus (Recommended)	4	
Colonnade Foundations (F-W2) ENG 300 – Writing in the Disciplines	3			
TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	14	

SUMMER TERM <i>Consider a Research Experience</i>	Summer Term	
TOTAL CREDIT HOURS		

THIRD YEAR	Fall Semester		Spring Semester	
	<i>Participate in Research with a Faculty Member</i> <i>Apply for Graduation</i> CLICK HERE	CHEM 342/343 Organic Chemistry II & Lab	5	CHEM 399 Research
CHEM 398 Undergraduate Seminar		1	CHEM 446 Biochemistry I	3
CHEM 399 Research		1	CHEM 452/453 Physical Chemistry II & Lab	5
CHEM 450/451 Physical Chemistry I & Lab		5	Colonnade Explorations (E-AH) Arts & Humanities (e.g. ART 100)	3
Colonnade Foundations (F-AH) HIST 101 or 102 – World History I or II		3	Colonnade Connections (K-SC) Social & Cultural (e.g. PSYS 350)	3
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	15

FOURTH YEAR	Fall Semester		Spring Semester	
	<i>Celebrate!</i>	CHEM 399 Research (Elective)	1	CHEM 399 Research (Elective)
CHEM 435/436 Instrumental Analysis & Lab		5	CHEM 420/421 Inorganic Chemistry & Lab	4
Colonnade Connections (K-LG) Local to Global (e.g. ANTH 388)		3	Colonnade Connections (L-SY) Systems (e.g. HMD 211)	3
Elective		3	Elective	3
Elective		3	Elective	3
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	15

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

Phone: Chemistry – (270) 745-3457

Email: chemistry@wku.edu

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