4-YEAR CURRICULAR MAP

Bachelor of Science in Chemistry - Biochemistry

UNIVERSITY OF KENTUCKY College of Arts and Sciences

FALL		YEAR 1	SPRING	
‡UK Core CC1	3		UK Core CC2	3
UK Core QFO (MA113: Calculus I AND MA 193: Supp. Workshop I OR MA 137: Calculus I for Life Sciences)	4-5		A&S NS (CHE 107: General Chemistry II	3
UK Core NPM (CHE 105: General Chemistry I)	4		A&S Lab (CHE 113: General Chemistry II Lab	2
UK Core NPM (CHE 111: General Chemistry I Lab)	1		MA 114: Calculus II AND MA 194: Supp. Workshop II OR MA 138: Calculus II for Life Sciences	4-5
UK Core ACR	3		BIO 155: Lab for Introductory Biology I	1
			BIO 148: Introductory Biology I	3
Total Credits: 15-16			**Total Credits: 16-17**	
FALL		**YEAR 2**	**SPRING**	
UK Core SIR (STA 210: Intro to Statistical Reasoning)	3		UK Core HUM	3
MA 213: Calculus III	4		CHE 226: Analytical Chemistry	3
CHE 230: Organic Chemistry I	3		CHE 231: Organic Chemistry Lab I	1
PHY 231: General Univ. Physics I	4		CHE 232: Organic Chemistry II	3
PHY 241: General Univ. Physics Lab I	1		PHY 232: General Univ. Physics II	4
BIO 152: Principles of Biology II	3		PHY 242: General Univ. Physics II Lab II	1
Total Credits: 18			**Total Credits: 15**	
FALL		**YEAR 3**	**SPRING**	
UK Core SSC	3		¤Foreign language 101	4
A&S HUM	3		CHE 410G: Inorganic Chemistry	2
CHE 440G: Introductory Physical Chemistry	4		CHE 533: Qual. Organic Analysis Lab (If 532 in Fall)	2 (OR 0)
CHE 550: Biological Chemistry I	3		CHE 552: Biological Chemistry II	3
CHE 532: Spectrometric Identification of Organic Compounds (OR CHE 422: Instrumental Analysis)	2 (OR 4)		CHE 454: Biological Chemistry Lab	2
			BIO 304: Principles of Genetics OR BIO 315: Intro. to Cell Biology	4
Total Credits: 15-17			**Total Credits: 17 or 15**	
FALL		**YEAR 4**	**SPRING**	
¤Foreign language 102	4		¤Foreign language 201	3
UK Core CCC	3		UK Core GDY	3
A&S SS	3		CHE 441: Physical Chemistry Lab	2
CHE 412: Inorganic Chemistry Lab	2		*CHE Major field option	2
CHE 372: Communication in Chemistry (GCCR)	1		CHE 472: Communication in Chemistry (GCCR)	1
*CHE Major field option	2		◊Electives	6
Total Credits: 15			**Total Credits: 17**	

‡ Incoming students are strongly encouraged to take WRD 112 to fulfill the CC1 and CC2 requirements if they have any of the following: an ACT English score of 32 or Higher, an SAT Verbal score of 720 or Higher, or an AP English Composition score of 4 or 5. If the student has been accepted into the University Honors Program, the student is required to take WRD 112 to fulfill CC1 and CC2.

¤ Students who have taken at least 2 years of a language in high school can complete the A&S Foreign Language Requirement with 3 college semesters of a different language. Students choosing this option should replace the 4th semester of language with electives. Also note that if you take a foreign language placement exam, you may be exempt from 1 or more of the beginning semesters of that language. In this case, replace the by-passed language courses with electives. Any language sequence may be used to satisfy the foreign language requirements.

◊ 6 hours of 'free' electives - that do not count toward any other requirement - must be taken. Additional electives may be required to reach the required minimum of 120 hours.

UK Core Abbreviations	
HUM =Intellectual Inquiry in the Humanities	CC1= Composition and Communication I
NPM=Intellectual Inquiry in the Natural/Physical/Mathematical Science	CC2= Composition and Communication II
SSC=Intellectual Inquiry in Social Sciences	QFO= Quantitative Foundations
ACR=Intellectual Inquiry in Arts & Creativity	SIR= Statistical Inferential Reasoning
GCCR= Graduation Composition and Communication Requirement	CCC= Community, Culture and Citizenship in U.S.
	GDY= Global Dynamics

College of Arts & Sciences Abbreviations

SS: Social Sciences NS: Natural Sciences Lab: College Laboratory or Field Experience HUM: Humanities