

4-YEAR CURRICULAR MAP

Bachelor of Science in Chemistry – Traditional, BA in MCL



FALL		YEAR 1		SPRING	
‡UK Core CC1	3	UK Core CC2			3
‡Foreign language 101	4	‡Foreign language 102			4
UK Core QFO (MA113: Calculus I <u>AND</u> MA 193: Supp. Workshop I <u>OR</u> 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 <u>AND</u> MA 194: Supp. Workshop II			
UK 101	1	<u>OR</u> MA 138: Calculus II for Life Sciences			4-5
Total Credits: 17-18			Total Credits: 16-17		
FALL		YEAR 2		SPRING	
‡Foreign language 201	3	‡Foreign language 202			3
MA 213: Calculus III	4	UK Core HUM <u>MCL 100</u>			3
CHE 226: Analytical Chemistry	3	MA 322: Matrix Algebra			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
		PHY 242: General Univ. Physics II Lab II			1
Total Credits: 18			Total Credits: 18		
FALL		YEAR 3		SPRING	
UK Core SIR (STA 210: Intro. to Statistical Reasoning)	3	<u>Language Course 2</u>			3
<u>Language Course 1</u>	3	CHE 410G: Inorganic Chemistry			2
CHE 532: Spectrometric Identification of Organic Compounds	2	CHE 441: Physical Chemistry Lab			2
CHE 547: Principles of Physical Chemistry I	3	CHE 442G: Thermodynamics and Kinetics			3
<u>WRD 310: Writing in the Natural Sciences</u>	3	CHE 533: Qualitative Organic Analysis Lab			2
		<u>MCL 200</u>			3
Total Credits: 14			Total Credits: 15		
FALL		Year Abroad		SPRING	
<u>Language Course 3</u>	3	<u>Language Course 6</u>			3
<u>Language Course 4</u>	3	<u>Language Courses 7-10 Internship (SPA classes) [12 credits]</u>			
<u>Language Course 5</u>	3				
A&S Social Science	3				
A&S Social Science	3				
Total Credits: 15			Total Credits: 15		
FALL		YEAR 5		SPRING	
CHE 412: Inorganic Chemistry Lab	2	UK Core GDY <u>Language course 11</u>			3
CHE 422: Instrumental Analysis	4	<u>MCL 495</u>			3
CHE 550: Biological Chemistry I	3	*CHE Major field option			3
*CHE Major field option	3	UK Core ACR			3
UK Core SSC- <u>Cross Cultural</u>	3	UK Core CCC			3
Total Credits: 15			Total Credits: 15		

‡ 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.

◊ 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
	CCC= Community, Culture and Citizenship in U.S.

GCCR = Graduation Composition and Communication Requirement

GDY= Global Dynamics

College of Arts & Sciences Abbreviations

SS: Social Sciences NS: Natural Sciences

Lab: College Laboratory or Field Experience

HUM: Humanities