

## 4-YEAR CURRICULAR MAP

# Bachelor of Science in Chemistry

## BA in Classics

## 4-YEAR CURRICULAR MAP

FALL		YEAR 1		SPRING	
#UK Core CC1		3	UK Core CC2	3	
#CLA language 101		4	#CLA 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	
#CLA language 201		3	#CLA 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	CLA Language Course above 202 or 252	3	
<u>CLA Language Course above 202 or 252</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>A&amp;S Social Science</u>		3	<u>MCL 200</u>	3	
Total Credits: 17			<u>A&amp;S Social Science</u>	3	
			Total Credits: 18		
SUMMER					
CLA Courses 1-6 Summer Internship				Total Credits: 18	
FALL		YEAR 4		SPRING	
CHE 412: Inorganic Chemistry Lab		2	UK Core GDY	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	
<u>CLA Course 7</u>		3	<u>CLA Course 8</u>	3	
Total Credits: 18			Total Credits: 18		

## Bachelor of Science in Chemistry – Traditional, BA in MCL

‡ 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

NPM=Intellectual Inquiry in the Natural/Physical/Mathematical Science

SSC=Intellectual Inquiry in Social Sciences

ACR=Intellectual Inquiry in Arts & Creativity

CC1= Composition and Communication I

CC2= Composition and Communication II

QFO= Quantitative Foundations

SIR= Statistical Inferential Reasoning

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

Updated 4/19/2017

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

