

## 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
αCLA language 101	4	αCLA 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
	<b>Total Credits: 17-18</b>		<b>Total Credits: 16-17</b>
FALL	YEAR 2		SPRING
αCLA language 201	3	αCLA language 202	3
MA 213: Calculus III	4	UK Core HUM MCL 100	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
	<b>Total Credits: 18</b>		<b>Total Credits: 18</b>
FALL	YEAR 3		SPRING
UK Core SIR (STA 210: Intro. to Statistical Reasoning)	3	CLA Language Course above 202 or 252	3
CLA Language Course above 202 or 252	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
WRD 310: Writing in the Natural Sciences	3	CHE 533: Qualitative Organic Analysis Lab	2
A&S Social Science	3	MCL 200	3
		A&S Social Science	3
	<b>Total Credits: 17</b>		<b>Total Credits: 18</b>
SUMMER			
CLA Courses 1-6 Summer Internship			<b>Total Credits: 18</b>
FALL	YEAR 4		SPRING
CHE 412: Inorganic Chemistry Lab	2	UK Core GDY	3
CHE 422: Instrumental Analysis	4	MCL 495	3
CHE 550: Biological Chemistry I	3	*CHE Major field option	3
*CHE Major field option	3	UK Core ACR	3
UK Core SSC- Cross Cultural	3	UK Core CCC	3
CLA Course 7	3	CLA Course 8	3
	<b>Total Credits: 18</b>		<b>Total Credits: 18</b>

## 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

