

#### 4-YEAR CURRICULAR MAP

### Bachelor of Science in Mathematics – Option A

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)	5	MA 114: Calculus II <u>AND</u> MA 194: Supp. Math Workshop II	5		
UK Core HUM	3	CS 115: Intro to Computer Programming	3		
	Total Credits: 15		Total Credits: 15		
FALL		YEAR 2		SPRING	
⌘Foreign language 201	3	⌘Foreign language 201	3		
UK Core NPM (PHY 231: General Univ. Physics I)	4	^MA 214: Calculus IV <u>OR</u> MA 261: Number Theory	3		
UK Core NPM (PHY 241: General Univ. Physics Lab I)	1	MA 322: Matrix Algebra	3		
MA 213: Calculus III	4	A&S NS (PHY 232: General Univ. Physics II)	4		
UK Core SIR	3	A&S Lab (PHY 242: General Univ. Physics Lab II)	1		
	Total Credits: 15		Total Credits: 14		
FALL		YEAR 3		SPRING	
*MA sequence/core course	3	*MA sequence/core course	3		
CA 215 (MA/SCI Elective): Intro to Program Design, Abstraction, and Problem Solving	4	MA 391 (GCCR)	3		
UK Core SSC	3	A&S SS (ECO 201: Principles of Economics I)	3		
UK Core ACR	3	UK Core GDY	3		
UK Core CCC	3	300+ elective outside of Math	3		
	Total Credits: 16		Total Credits: 15		
FALL		YEAR 4		SPRING	
*300+ MA sequence/core course	3	*300+ MA sequence/core course	3		
*300+ MA course	3	300+ Elective outside of Math	3		
Math/Science Elective	3	300+ Elective outside of Math	3		
A&S HUM	3	Math/Science Elective	3		
◇ Elective	3	◇ Elective	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.

\* To be discussed with your academic advisor.

⌘ 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. 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. MA 193 and 194 will count towards this requirement.

• **Race and Ethnicity Requirement:** The College requires its students to complete an approved race and ethnicity (R&E) course that will address the changing meanings of race and ethnicity across time and space. Students may double-dip courses to satisfy the R&E requirement with any other requirement.

#### 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.

GDY= Global Dynamics

GCCR= Graduation Composition and Communication

#### College of Arts & Sciences Abbreviations

SS: Social Sciences NS: Natural Sciences

Lab: College Laboratory or Field Experience

HUM: Humanities