

4-YEAR CURRICULAR MAP

Bachelor of Science in Mathematics – Option B

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	UK Core SSC	3
	Total Credits: 15		Total Credits: 15
FALL	YEAR 2		SPRING
⌘Foreign language 201	3	MA 214: Calculus IV <u>OR</u> MA 261: Number Theory	3
UK Core NPM	3	MA 322: Matrix Algebra	3
MA 213: Calculus III	4	CS 215: Intro. to Program Design, Abstraction, and Problem Solving	3
CS 115: Introduction to Computer Programming	3	UK Core ACR	3
UK Core SIR	3	A&S NS	3
	Total Credits: 16	A&S Lab	1
			Total Credits: 16
FALL	YEAR 3		SPRING
*300+ MA sequence 1	3	MA sequence 2	3
MA/STA 320: Introduction to Probability	3	A&S SS	3
A&S HUM (300+)	3	MA/CS 321: Intro to Numerical Theory I	3
Supporting Program 1 (3 Hours)	3	STA 321: Basic Statistical Theory I	3
Math/Science Elective	3	MA 391: (GCCR)	3
	Total Credits: 16	Supporting Program 2	3
			Total Credits: 18
FALL	YEAR 4		SPRING
*300+ MA course	3	Math/Science Elective	3
*300+ MA Supporting Program 3	3	MA sequence/core course	3
UK CORE CCC	3	UK Core GDY	3
Math/Science Elective	3	^ Elective	4
◇ Elective	6		
	Total Credits: 15		Total Credits: 13

‡ 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.

^ Additional Hours needed to get to 120. Consider pursuing a 2nd major, minor or an internship.

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