

Academic Program: MATHEMATICS 4-Year Road Map			Students should consult Math Major Flow Chart			
	FIRST YEAR	Support labs MATH 399 for Calculus				
Fall Semester						
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirement	GE Categories
Mathematics	MATH 150	Calculus I	4	Major & GE		B4
Mathematics	MATH 230	Logic	3	Major & GE		A3
Computer Science	COMP 105 or 150	COMP 105 Intro to Prog. COMP 150 Object-Oriented Prog.	3	Major & GE		E
English	ENG 105	Composition	3	GE		A2
General Education	Oral Communications	Student choice	3	GE		A1
Total Units			16			
Spring Semester						
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirements	GE Categories
Mathematics	MATH 151	Calculus II	4	Major & GE		
Physics	PHYS 200	General Physics I	4	Major & GE		B1 and B3
Computer Science	COMP 102, COMP 105, COMP 150, or COMP 151	COMP: 102 Web Dev.; 105 Intro to Prog.; 150 Object-Oriented Prog. 151 Data Structures	3	Major	Student choice	
General Education	Art, Languages, Cultures, Lit.	Student choice	3	GE		C1
Total Units			14			
First Year	Total Units		30			
	SECOND YEAR	Support labs MATH 399 for Calculus,.		Advanced labs MATH 399 for 240 and above		
Fall						
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirement	GE Categories
Math	MATH 250	Calculus III	3	Major		
Math	MATH 240	Linear Algebra	3	Major		
Math	MATH 300	Discrete Math	3	Major		
Physics	PHYS 200	General Physics II	4	Major		
General Education	Art, Languages, Cultures, Lit,	Student choice	3	GE		C2
Total Units			16			
Spring				Advanced labs MATH 399		
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirements	GE Categories
Mathematics	MATH 352	Probability and stats	3	Major		
Mathematics	Emphasis Elective		3	Major		
General Education	Life science GE	Student choice	3	GE		B2

American Institutions	HIST 270, HIST 271, HIST 272, HIST 275 or HIST 350 / CHS 350	HIST: 270 U.S. To 1877; 271 U.S. Since 187; 272 Const. Hist. of U.S. , 275 U.S. to 1900 or HIST /CHS 350	3		University Requirement	
General Education	Social Perspectives	Student choice	3	GE		D
Total Units			15			
2nd Year	Total Units		31			
	THIRD YEAR	Students chose Math Emphasis		Advanced labs MATH 399		
Fall						
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirement	GE Categories
Math	MATH 350	Differential Equations	3	Major		
Mathematics	Emphasis Elective	Student Choice	3	Major		
Math	Math 310	Transition to Higher Math	3	Major		
Math	Math 390	Junior Colloquium	1	Major		
General Education	MATH 331 or Math 330 or course in GE B	Student choice	3	GE		UDGE-B
General Education	POLS 150	American Political Institutions	3	GE	University Requirement	D
Total Units			16			
Spring				Advanced labs MATH 399		
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirements	GE Categories
Mathematics	MATH 351	Real Analysis	3	Major		
Major elective	Upper Division Math Elective	Student Choice	3	Major		
Mathematics	Emphasis Elective	Student Choice	3	Major		
General Education	Social Perspectives	Student Choice	3	GE		D
General Education	Art, Literature, Languages, and Cultures	Student choice	3	GE		C1 or C2
Total Units			15			
Third Year	Total Units		31			
	FORTH YEAR			Advanced Math labs MATH 399		
Fall						
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirement	GE Categories
Mathematics	MATH 499	Senior Colloquium	1	Major	capstone	
Major elective	Upper Division Math Elective	Student Choice	3	Major		
Math			3	Major		
Mathematics	Emphasis Elective	Student Choice	3	Major		

General Education	COPM 447 , COMP 449 or other Upper Division Course in GE	Student choice	3	GE		UDGE-D
Total Units			16			
Spring						
Course Area	Course Number	Course Title	Units	Requirements Met	Other Requirements	GE Categories
Mathematics	MATH 499	Senior Colloquium	1	Major	capstone	
Mathematics	Emphasis Elective	Student Choice	3	Major		
Major elective	Upper Division Math Elective	Student Choice	3	Major		
University Elective		Student Choice	2			
General Education	Upper Division	Student choice	3	GE		UDGE-C
Total Units			12			
Forth year	Total Units		28			
	TOTAL UNITS		120			