

Degree: Mathematics, B.S.				
Requirement Area	Course	Course Title	Prerequisites	Units
<b>First Semester</b>				
E	GS 101A	Foundations of Success I		1
A1	COMM 100	Communication		3
B1/B3				3
C1				3
B4/LD Major	MATH 130	Calculus I	One from the following: Satisfactory score of 78 or higher on Mathematics Placement Exam, MATH 120 or MATH 125 (either course with grade C- or better).	4
			<b>Total:</b>	14
<b>Second Semester</b>				
E	GS 101B	Foundations of Success II		1
A2				3
C2				3
D1				3
B2/B3				3
LD Major	MATH 131	Calculus II	MATH 130 with grade C- or better.	3
			<b>Total:</b>	16
<b>Third Semester</b>				
E				1
Writing II	ENGL 200 or PHYS 230			3
A3				3
Code 1/D2				3
LD Major	MATH 230	Calculus III	MATH 131 with grade C- or better.	3
UD Major	MATH 305	Math Software	MATH 131 with grade C- or better.	3
			<b>Total:</b>	16
<b>Fourth Semester</b>				
Code 2				3
LD Major	MATH 210	Linear Algebra with Differential Equations	MATH 130.	3
UD Major	MATH 300	Introduction to Mathematical Proof	MATH 131 with grade C- or better.	3
Add'l C1 or C2*				3
D3				3
			<b>Total:</b>	15
<b>Fifth Semester</b>				
UD Major	MATH 320	Abstract Algebra I	MATH 210 with grade C- or better.	3
UD Major	MATH	Applied Mathematics Coursework		3
UD Major	MATH	Math Elective		3
C4/overlay elective				3
			<b>Total:</b>	15
<b>Sixth Semester</b>				
UD Major	MATH 330	Analysis I		3
UD Major	MATH	Math Elective		3
UD Major	MATH	Applied Mathematics Coursework		3
D4/Overlay elective				3
			<b>Total:</b>	15
<b>Seventh Semester</b>				
UD Major	MATH	Theoretical Mathematics Coursework		3
UD Major	MATH 310	Linear Algebra Theory	MATH 210, MATH 300 and MATH 305, all with grade C- or better.	3
B6/Overlay elective				3
elective				3
elective				2
			<b>Total:</b>	14
<b>Eighth Semester</b>				
UD Major		Theoretical Mathematics Coursework		3
UD Major	MATH 493	Senior Seminar	Department consent.	3
elective				3
elective				3
elective				3
			<b>Total:</b>	15
<b>Total Units:</b>				120

General Education & University Requirements - Suggested Courses	
Area A (9 units): Communication in the English Language & Critical Thinking (Must earn passing grade of C-/CR or better)	
<input type="checkbox"/> A1. COMM 100 or 104	
<input type="checkbox"/> A2. ENGL 101, 102, or 104	
<input type="checkbox"/> A3. PHIL 100	
Area B (9 units): Scientific Inquiry & Quantitative Reasoning	
<input type="checkbox"/> B1. Physical Science	
<input type="checkbox"/> B2. Life Science	
<input type="checkbox"/> B3. Laboratory Activity	
<input type="checkbox"/> B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.)	
Area C (9 units): Arts & Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)	
<input type="checkbox"/> C1. Arts	
<input type="checkbox"/> C2. Humanities	
<input type="checkbox"/> *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2)	
Area D (9 units): Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)	
<input type="checkbox"/> D1.	
<input type="checkbox"/> D2.	
<input type="checkbox"/> D3.	
Area E (3 units): Lifelong Learning and Self-Development	
<input type="checkbox"/> E.	
Second Composition: Requires completion of GE A2 with a C-/CR or better.	
<input type="checkbox"/> Writing II.	
University Writing Skills Requirement	
<input type="checkbox"/> UWSR. Writing Skills Test (WST) or First and/or Second Tier Courses	
U.S. Code (American Institutions Requirement) - Two courses (6 units) covering	
<input type="checkbox"/> Code 1.	
<input type="checkbox"/> Code 2.	
Upper Division GE Requirements (9 units): Should be taken after completion of	
<input type="checkbox"/> B6. Upper-division Science Inquiry and Quantitative Reasoning	
<input type="checkbox"/> C4. Upper-division Arts OR Humanities	
<input type="checkbox"/> D4. Upper-division Social Sciences	
Overlay Requirements (9 units): Courses may be upper or lower division, and GE	
<input type="checkbox"/> Diversity (Div)	
<input type="checkbox"/> Social Justice (SJ)	
<input type="checkbox"/> Sustainability (S)	