

Degree: Mathematics, B.S.				
Requirement Area	Course	Course Title	Prerequisites	Units
First Semester				
E	GS 101A	Foundations of Success I		1
A1	COMM 100	Communication		3
B1/B3		Physical Science/Laboratory Activity		3
C1		Arts		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
		Total:		14
Second Semester				
E	GS 101B	Foundations of Success II		1
A2		Written Communication		3
C2		Humanities		3
D1		Social Science		3
B2/B3		Life Science/Laboratory Activity		3
LD Major	MATH 131	Calculus II	MATH 130 with grade C- or better.	3
		Total:		16
Third Semester				
E		Life Long Learning and Self-Development		1
Writing II	ENGL 200 or PHYS 230	Writing II		3
A3	PHIL 100	Workshop in Critical Thinking		3
Code 1/D2		U.S. Code/Social Science		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
		Total:		16
Fourth Semester				
Code 2		U.S. Code		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*		Arts/Humanities		3
D3		Social Science		3
		Total:		15
Fifth Semester				
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		UD Arts/Humanities		3
Elective				3
		Total:		15
Sixth Semester				
UD Major	MATH 330	Analysis I		3
UD Major	MATH	Math Elective		3
UD Major	MATH	Applied Mathematics Coursework		3
D4/Overlay		UD Social Science		3
Elective				3
		Total:		15
Seventh Semester				
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		UD Science Inquiry and Quantitative Reasoning		3
Elective				3
Elective				2
		Total:		14
Eighth Semester				
UD Major		Theoretical Mathematics Coursework		3
UD Major	MATH 493	Senior Seminar	Department consent.	3
Elective				3
Elective				3
Elective				3
		Total:		15
Total Units:				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, MLL 111	
<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. Must be completed before attaining junior standing.	
<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 three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government).	
<input type="checkbox"/> Code 1.	
<input type="checkbox"/> Code 2.	
Upper Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)	
<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 or major	
<input type="checkbox"/> Diversity (Div)	
<input type="checkbox"/> Social Justice (SJ)	
<input type="checkbox"/> Sustainability (S)	