

BACHELOR OF SCIENCE (120 cr. hours)**Applied Mathematics****College of Liberal Arts and Sciences****Math Placement Level 6 | English Placement Level 4****4-Year Degree Plan [sample]****YEAR ONE**

Fall Semester (14 cr. hours)	course title	credits	grade
FL Quantitative Reasoning	MATH-M 215 Calculus I	5	
	PHYS-P 221 Physics 1	5	
FL Writing	ENG-W 131 Elementary Composition 1	3	
	COAS-Q 110 Introduction to Information Literacy	1	

Spring Semester (15 cr. hours)

	MATH-M 216 Calculus II	5	
	PHYS-P 222 Physics 2	5	
CSV Health and Wellness		2	
	Critical Thinking	3	

YEAR TWO

Fall Semester (14 cr. hours)	course title	credits	grade
	MATH-M 311 Calculus 3	5	
	MATH-M 343 Introduction to Differential Equations	3	
	MATH-N 390 The Natural World: Common Core 1 and Natural Science	3	
	Foreign Language 101	3	

Spring Semester (16 cr. hours)

	MATH-M 301 Linear Algebra and Applications	3	
	MATH-M 391 Introduction to Mathematical Reasoning	3	
	CSCI-C 101 Computer Programming I	4	
	Foreign Language 102	3	
CC Common Core	B, T, or A 190 Common Core 2	3	

YEAR THREE

Fall Semester (15-16 cr. hours)	course title	credits	grade
	MATH-M 463 Introduction to Probability Theory or B, T, or A 190 Common Core 3. M463 is required and offered every odd fall.	3-4	
	MATH-M 471 Numerical Analysis 1; OR SPCH-S 121 Public Speaking. M471 is required and offered every odd fall.	3	
	MATH-M 447 Mathematical Models and Applications; OR MATH-M 413 Introduction to Analysis 1. M447 is offered every even fall; M413 is offered every odd fall. Both are required.	3	
	Natural Science	3	
	Math Elective. M403, M427, M435, M451, or other math electives	3	

Spring Semester (15 cr. hours)

	MATH-M 466 Introduction to Mathematical Statistics (required, offered every even spring) or Math Elective M344, M404, M405, M414, M415, M427, M435, M448, or M472	3	
	MATH Elective, M344, M404, M405, M414, M415, M427, M435, M448, or M472	3	
	Natural Science	3	
	Visual Literacy	3	
	Common Core 4	3	

YEAR FOUR

Fall Semester (15-16 cr. hours)	course title	credits	grade
	MATH-M 463 Introduction to Probability Theory, or B, T, or A190 Common Core 3. M463 is required and offered every odd fall.	3-4	
	MATH-M 471 Numerical Analysis 1 or SPCH-S 121 Public Speaking. M471 is required and offered every odd fall.	3	
	MATH-M 447 Mathematical Models and Applications 1; OR MATH-M 413 Introduction to Analysis 1. M447 is offered every even fall; M413 is offered every odd fall. Both are required.	3	
	Non-Western Cultures	3	
	Math Elective. M403, M427, M435, M451, or other MATH electives	3	

Spring Semester (12-15 cr. hours)

	MATH-M 466 Intro to Mathematical Statistics (required, offered every even spring) or Math Elective M344, M404, M405, M414, M415, M427, M435, M448, or M472	3	
	Math Elective. M344, M404, M405, M415, M427, M435, M448, or M472, or approved Math graduate course	3	
	Diversity in United States Society	3	
	Natural Science	3	
	Elective. Additional course to bring total credit hours to 120	3	

FL Fundamental Literacies CSV Contemporary Social Values CC Common Core* (at least one Common Core class must be at the 300 level).

At the end of the second year, the student's file will be reviewed by the LAS faculty for official acceptance as a declared major in the area.

Students must complete at least 30 credit hours in 300 or 400 level courses.

These forms are for demonstration purpose only, they are hypothetical and also not accurate