

BACHELOR OF SCIENCE (120 cr. hours)

Actuarial Science College of Liberal Arts and Sciences

Math Placement Level 6 | English Placement Level 4

4-Year Degree Plan [sample]

YEAR ONE

Fall Semester (15 cr. hours)	course title	credits	grade
FL Quantitative Reasoning	MATH-M 215 Calculus I	5	
FL Writing	ENG-W 131 Elementary Composition 1	3	
FL Information Literacy	COAS-Q 110 Introduction to Information Literacy	1	
	ECON-E 103 Introduction to Microeconomics	3	
	Foreign Language 101	3	

Spring Semester (16 cr. hours)

CC Common Core	MATH-M 216 Calculus II	5	
	B, T, or A 190 Common Course 1	3	
CSV Health and Wellness	ECON-E 104 Introduction to Macroeconomics	3	
	Health and Wellness	2	
	Foreign Language 102	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	
	BUS-A 201 Introduction to Financial Accounting	3	
	ENG-W 270 Argumentative Writing	3	

Spring Semester (16 cr. hours)

	MATH-M 301 Linear Algebra and Applications	3	
	MATH-M 391 Introduction to Mathematical Reasoning	3	
	BUS-A 202 Introduction to Managerial Accounting	3	
	CSCI-C 101 Computer Programming I	4	
CC Common Core	B, T, or A 190 Common Core 2	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

YEAR THREE

Fall Semester (15-16 cr. hours)	course title	credits	grade
All four classes listed in this section are required.	MATH-M 471 Numerical Analysis 1; and MATH-M 463 Introduction to Probability Theory 1 (both offered odd Fall) OR MATH-M 447 Mathematical Models and Applications 1; and MATH-M 451The Mathematics of Finance (both offered even Fall)	6-7	
CC Natural Science	MATH-N 390 The Natural World	3	
	Natural Science and Common Core 3		
	BUS-L 201 Legal Environment of Business	3	
	Visual Literacy	3	
Summer Semester (0 cr. hours)	Looking for Internship or REU		

Spring Semester (15 cr. hours)

M466 is offered even Spring M448 is offered odd Spring BOTH REQUIRED	MATH-M 466 Introduction to Mathematical Statistics or MATH-M 448 Mathematical Models and Applications 2	3	
CC Common Core Course	B, T, or A 190 Common Core 4	3	
	MATH-M 325 Topics Course: Problem Seminar in Actuarial Science	3	
	SPCH-S 121 Public Speaking	3	
	Natural Science	3	

Summer Semester (0 cr. hours)

Looking for Internship or REU 0

YEAR FOUR

Fall Semester (14-18 cr. hours)	course title	credits	grade
	MATH-M 471 Numerical Analysis 1; AND MATH-M 463 Introduction to Probability Theory 1 (both offered odd Fall) OR MATH-M 447 Mathematical Models and Applications 1; and MATH-M 451The Mathematics of Finance (both offered even Fall)	6-7	
	MATH Elective M413, M414, M415, and M472 are electives. M574 and M576 are VEE & elective courses.	0-3	
	Natural Science with Laboratory	5	
	Non-Western Cultures	3	

Spring Semester (15 cr. hours)

M466 is offered even Spring M448 is offered odd Spring BOTH REQUIRED	MATH-M 466 Introduction to Mathematical Statistics or MATH-M 448 Mathematical Models and Applications 2	3	
	MATH Elective M413, M414, M415, and M472 are electives. M574 and M576 are VEE & elective courses.	3	
CSV Contemporary Social Value	MATH-M 325 Topics Course Problem Seminar in Actuarial Science	3	
	Diversity in United States Society	3	
	BUS-F 301 Financial Management	3	