COLLEGE OF NATURAL SCIENCES & MATHEMATICS
Bachelor of Science, Mathematics (Mathematical Finance Option)
Four-Year Academic Map 2016-2017

YEAR 1

Semester 1 Fall			Semester 2 Spring			Total
ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3	
MATH 1431	Calculus I	4	MATH 1432	Calculus II	4	
HIST 1377	The United States to 1877	3	HIST 1378	The United States since 1877	3	
POLS 1336	US & Texas Constitutions and Politics	3	POLS 1337	U.S. Govt: Cong, Pres & Courts	3	
	Natural Science with Lab (Must be approved for majors in the discipline)	4		Natural Science with Lab (Must be approved for majors)	4	
Semester Hours		17	Semester Hours		17	34

YEAR 2

Semester 1			Semester 2			
MATH 2331	Linear Algebra	3	MATH 3325	Transition to Advanced Math	3	
MATH 2433	Calculus III	4	MATH 3338	Probability	3	
ACCT 2331	Accounting Principles 1- Financial	3	ACCT 2332	Accounting Principles 2- Managerial	3	
ECON 2304	Introductory Microeconomics	3	ECON 2305	Introductory Macroeconomics	3	
	Natural Science (Must be approved for majors in the discipline)	3		Natural Science (Must be approved for majors in the discipline	3	
Semester Hours		16	Semester Hours		15	31

YEAR 3

Semester 1			Semester 2			
MATH 3331	Differential Equations	3	MATH 3333	Intermediate Analysis	3	
MATH 3340	Intro to Fixed income Mathematics	3	MATH 3339	Statistics for the Sciences	3	
ECON 3332	Intermediate Microeconomic Theory	3	ECON 3334	Intermediate Macroeconomic Theory	3	
CORE	Language, Philosophy &Culture	3	Elective	Approved Elective	3	
CORE	Writing in the Disciplines	3	CORE	Creative Arts	3	
Semester Hours		15	Semester Hours		15	30

YEAR 4

Semester 1			Semester 2			
MATH 4320	Intro to Stochastic Processes	3	MATH 4380	Mathematical Introduction to Options	3	
MATH Elective	MATH Elective at the 4000-level	3	MATH 4389	Survey of Undergraduate Mathematics	3	
	NSM Capstone ***Students in the finance Option are strongly encouraged to take a minor in Finance or Economics***	6	Elective	Approved Elective	4	
				NSM Capstone ***Students in the finance Option are strongly encouraged to take a minor in Finance or Economics***	3	
Semester Hours		12	Semester Hours		13	25
						120

Students should meet with their academic advisor to formulate their own plan.