

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Mathematics (Mathematical Finance Option)

Four-Year Academic Map 2018-2019

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)	3		Natural Science with Lab (Must be approved for majors)	3		
Semester Hours			16	Semester Hours			16	32

YEAR 2	Semester 1			Semester 2			Total	
	MATH 2331	Linear Algebra	3	MATH 3325	Transition to Advanced Math	3		
	MATH 2131	Linear Algebra Lab	1	MATH 3338	Probability	3		
	MATH 2433	Calculus III	4	ACCT 2332	Accounting Principles 2- Managerial	3		
	ACCT 2331	Accounting Principles 1- Financial	3		Natural Science (Must be approved for majors in the discipline)	4		
		Natural Science (Must be approved for majors in the discipline)	4					
Semester Hours			15	Semester Hours			14	29

YEAR 3	Semester 1			Semester 2			Total	
	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		
	Elective	Approved free Elective	2	CORE	Creative Arts	3		
Semester Hours			14	Semester Hours			15	29

YEAR 4	Semester 1			Semester 2			Total	
	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		
	Elective	Approved Elective	3	Elective	Approved Elective	3		
		NSM Capstone ***Students in the finance Option are strongly encouraged to take a minor in Finance or Economics***	6		NSM Capstone ***Students in the finance Option are strongly encouraged to take a minor in Finance or Economics***	6		
	Semester Hours			15	Semester Hours			15
							120	

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