

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Mathematics (Mathematical Finance Option)

Four-Year Academic Map 2017-2018

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 2131	Linear Algebra Lab	1					
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	17	Semester Hours	15		32	

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

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	6	Elective	Approved Elective	4		
	Students in the finance Option are strongly encouraged to take a minor in Finance or Economics			NSM Capstone	3		
				Students in the finance Option are strongly encouraged to take a minor in Finance or Economics			
	Semester Hours	12	Semester Hours	13		25	
						120	

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