

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Mathematics (Mathematical Finance Option)

Four-Year Academic Map 2015-2016

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: Const/Pres/Politics	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 3330	Abstract Algebra	3	MATH 3333	Intermediate Analysis	3	
MATH 3331	Differential Equations	3	MATH 3339	Statistics for the Sciences	3		
MATH 3340	Intro to Fixed income Mathematics	3	ECON 3334	Intermediate Macroeconomic Theory	3		
ECON 3332	Intermediate Microeconomic Theory	3	Elective	Approved Elective	3		
CORE	Language, Philosophy & Culture	3	CORE	Creative Arts	3		
	Semester Hours	15	Semester Hours	15		30	

YEAR 4	Semester 1			Semester 2			
	MATH 3334	Advanced Multivariable Calculus OR	} 3	MATH 4380	A Mathematical Introduction to	3	
MATH 3335	Vector Analysis OR	MATH 4389		Options	3		
MATH 3364	Introduction to Complex Analysis	Elective		Survey of Undergraduate Mathematics	4		
MATH 4320	Intro to Stochastic Processes	3		Approved Elective	3		
MATH	MATH Elective at the 4000-level	3		NSM Capstone			
	NSM Capstone	3		***Students in the finance Option are strongly encouraged to take a minor in Finance or Economics***			
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	Semester Hours	12	Semester Hours	13		25	
						120	

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