



College of Natural Sciences & Mathematics
Bachelor of Science - Mathematics
 (Mathematical Finance Option)
Four-Year Academic Map – 2014-2015

Year 1	Semester 1			Semester 2			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 in the discipline)	4	
	Semester Hours			17	Semester Hours		17
						34	

Year 2	Semester 1			Semester 2			
	MATH 2331	Linear Algebra	3	MATH 3325	Transition to Advanced Mathematics	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 Options	3	
	MATH 3335	Vector Analysis OR		MATH 4389	Survey of Undergraduate Mathematics	3	
	MATH 3364	Introduction to Complex Analysis		Elective	Approved Elective	4	
	MATH 4320	Intro to Stochastic Processes	3		NSM Capstone	3	
	MATH	MATH Elective at the 4000-level	3	***Students in the finance Option are strongly encouraged to take a minor in Finance or Economics***			
		NSM Capstone	3				
Semester Hours			12	Semester Hours		13	
						25	
						120	

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

