

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Mathematics (Mathematical Finance Option)

Four-Year Academic Map 2023-2024

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3		
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4		
	CORE	US History	3	CORE	US History	3		
	GOVT 2306	US & Texas Constitutions and Politics	3	GOVT 2305	U.S. Govt: Cong, Pres & Courts	3		
		NSM Approved Natural Science lecture	3		NSM Approved Natural Science lecture	3		
	Semester Hours			16	Semester Hours			16

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	MATH 2318	Linear Algebra	3	MATH 3325	Transition to Advanced Math	3		
	MATH 2131	Linear Algebra Lab	1	MATH 3338	Probability	3		
	MATH 2415	Calculus III	4	ACCT 2302	Principles of Managerial Accounting	3		
	ACCT 2301	Principles of Financial Accounting	3		NSM Approved Natural Science lecture and lab	4		
		NSM Approved Natural Science lecture and lab	4					
Semester Hours			15	Semester Hours			13	28

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	MATH 3331	Differential Equations	3	MATH 3333	Intermediate Analysis	3		
	MATH 3340	Intro to Fixed income Mathematics	3	MATH 3349	Inferential Statistics	3		
	ECON 3332	Intermediate Microeconomics	3	ECON 3334	Intermediate Macroeconomics	3		
	CORE	Language, Philosophy & Culture	3	CORE	Creative Arts	3		
		Capstone***/Free Elective	3		Capstone***/Free Elective	3		
Semester Hours			15	Semester Hours			15	30

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	MATH 4320	Intro to Stochastic Processes	3	MATH 4380	Mathematical Introduction to Options	3		
	MATH 43XX	4000-level MATH Elective	3	MATH 4389	Survey of Undergraduate Mathematics	3		
		Capstone***/Free Elective	9		Capstone***/Free Elective	9		
Semester Hours			15	Semester Hours			15	30
							120	

***Students in the Math Finance Option are strongly encouraged to pursue minors in Economics, Finance, or Accounting

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