



COLLEGE OF
Bachelor of Science, Mathematics (Data Science Option)
 Four-Year Academic Map 2021-2022

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		
	HIST 1377	The United States to 1877	3	HIST 1378	The United States since 1877	3		
	GOVT 2306	US & TX Constitution & Politics	3	GOVT 2305	US Gov't: Cong, Pres, & Courts	3		
		Natural Science lecture (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			16	32

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	MATH 2415	Calculus III	4	MATH 3325	Transitions to Advanced Math	3		
	MATH 2318	Linear Algebra	3	MATH 3331	Differential Equations	3		
	MATH 2131	Linear Algebra Lab	1	COSC 2306	Data Programming	3		
	COSC 1336	Computer Science & Programming	3	CORE	Social & Behavioral Sciences	3		
		Natural Science lecture & lab (Must be approved for majors in the discipline)	4		Natural Science lecture & lab (Must be approved for majors in the discipline)	4		
Semester Hours			15	Semester Hours			16	31

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	MATH 3333	Intermediate Analysis	3	MATH ADV.	Approved elective course	3		
	MATH 3338	Probability	3	MATH 3349	Inferential Statistics	3		
	CORE	Language, Philosophy, & Culture	3	CORE	Writing in the Disciplines	3		
	CORE	Creative Arts	3		Minor/Free Electives	6		
		Minor/Free Elective	3					
Semester Hours			15	Semester Hours			15	30

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	MATH 4322	Intro to Data Sci. & Machine Learning	3	MATH 4323	Data Science & Statistical Learning	3		
	MATH 43xx	4000-level MATH Elective	3	MATH 4389	Survey of Undergraduate Math	3		
		Minor/Free Electives	9		Minor/Free Electives	6		
Semester Hours			15	Semester Hours			12	