

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Computer Science

### Four-Year Academic Map 2023-2024

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	COSC 1336	Computer Science & Programming	3	COSC 1437	Introduction to Programming	4		
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4		
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3		
	CORE	US History	3	CORE	US History	3		
	CORE	Language, Philosophy, Culture	3					
Semester Hours			16	Semester Hours			14	30

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	COSC 2425	Computer Org & Architecture	4	COSC 2436	Programming & Data Structures	4		
	MATH 2305	Discrete Mathematics	3	GOVT 2306	US & TX Constitution & Politics	3		
	GOVT 2305	US Gov't: Congress, President, & Courts	3	MATH 2318 or 3321	Linear Algebra or Engineering Mathematics	3		
	CORE	Creative Arts	3	CORE	Social & Behavioral Sciences	3		
		NSM Approved Natural Science lecture	3		NSM Approved Natural Science lecture	3		
Semester Hours			16	Semester Hours			16	32

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	COSC 3320	Algorithms & Data Structures	3	COSC 3360	Fundamentals of Operating Systems	3		
	COSC 3340	Intro to Automata & Computability	3	COSC 3380	Database Systems	3		
	MATH 3339	Statistics for Sciences	3		NSM Approved Natural Science	4		
	CORE	Writing in the Disciplines	3		lecture and lab			
		NSM Approved Natural Science lecture and lab	4		Capstone/Free Elective	4		
Semester Hours			16	Semester Hours			14	30

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	COSC XXXX	COSC Advanced Elective	3	COSC XXXX	COSC Advanced Elective	3		
	COSC XXXX	COSC Advanced Elective	3	COSC XXXX	COSC Advanced Elective	3		
	COSC 4351 or 4353	Fund. of Software Engineering or Software Design	3	COSC XXXX	COSC Advanced Elective	3		
		Capstone/Free Elective	5		Capstone/Free Elective	5		
	Semester Hours			14	Semester Hours			14
							120	

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