

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Computer Science

Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	COSC 1306	Computer Science Programming	3	COSC 1430	Introduction to Programming	4		
	ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3		
	HIST 1377	The United States to 1877	3	HIST 1378	The United States Since 1877	3		
	POLS 1336	US & TX Constitutions and Politics	3	POLS 1337	US Gov: Congress, Pres, & Courts	3		
	MATH 1431	Calculus I	4	MATH 1432	Calculus II	4		
	Semester Hours			16	Semester Hours			16

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	COSC 2430	Programming & Data Structures	4	CORE	Creative Arts	3		
	COSC 2440	Computer Org & Architecture	4	COSC 3360	Operating Systems	3		
	MATH 2331	Linear Algebra OR	3	MATH 3336	Discrete Mathematics OR	3		
	MATH 3321	Engineering Math		COSC 3336	Computing Structures			
		Natural Science Approved Course	3		Natural Science Approved Course	3		
		Natural Science Laboratory	1		Natural Science Laboratory	1		
	Semester Hours			15	Semester Hours			16

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	COSC 3340	Intro to Automata & Computability	3	COSC 3380	Database Systems	3		
	COSC 3320	Algorithms & Complexities	3	CORE	Social & Behavioral Sciences	3		
	MATH 3339	Statistics for Sciences	3		Natural Science Approved Course	3		
	CORE	Writing in the Disciplines	3		Minor/Free Elective	3		
		Natural Science Approved Course	3	COSC 4351	Fundam of Software Engineering OR	3		
				COSC 4353	Software Design			
Semester Hours			15	Semester Hours			15	30

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	COSC XXX	COSC Advanced Elective	3	COSC XXXX	COSC Advanced Elective	3		
	COSC XXX	COSC Advanced Elective	3	COSC XXXX	COSC Advanced Elective	3		
		Minor/Free Elective	3		Minor/Free Elective	3		
		Minor/Free Elective	3		Minor/Free Elective	3		
		Minor/Free Elective	1		Minor/Free Elective	1		
	Semester Hours			13	Semester Hours			13
							120	

*State of Texas Core Curriculum

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