

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Computer Science

### Four-Year Academic Map 2017-2018

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	17	33	

YEAR 2	Semester 1			Semester 2			
	COSC 2430	Programming & Data Structures	4	COSC 3320	Algorithms & Complexities	3	
	COSC 2440	Computer Org & Architecture	4	COSC 3360	Operating Systems	3	
	MATH 2331	Linear Algebra <b>OR</b> }	3	MATH 3336	Discrete Mathematics <b>OR</b> }	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	
				CORE	Language, Philosophy & Culture	3	
	Semester Hours	15		Semester Hours	16	31	

YEAR 3	Semester 1			Semester 2			
	COSC 3340	Intro to Automata & Computability	3	COSC 3380	Database Systems	3	
	CORE	Creative Arts	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 <b>OR</b> }	3	
				COSC 4353	Software Design }		
	Semester Hours	15		Semester Hours	15	30	

YEAR 4	Semester 1			Semester 2			
	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	26	
						120	

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