COLLEGE OF NATURAL SCIENCES & MATHEMATICS
Bachelor of Science, Computer Science
Four-Year Academic Map 2020-2021

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	33

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 MATH 3321	Linear Algebra **OR** Engineering Math	3	MATH 3336 COSC 3336	Discrete Mathematics **OR** Computing Structures	3	
	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 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 COSC 4353	Fundam of Software Engineering **OR** Software Design	3	
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	26
						120

*State of Texas Core Curriculum
 Students should meet with their academic advisor to formulate their own plan.