

# COLLEGE OF NATURAL SCIENCES & MATHEMATICS

## Bachelor of Science, Computer Science (Systems Science)

### Four-Year Academic Map 2015-2016

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	COSC 1410	Intro to Computer Science I	4	COSC 1320	Intro to Computer Science II	3	
	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		17	Semester Hours		16	33

YEAR 2	Semester 1			Semester 2			
	COSC 2320	Data Structures	3	COSC 3320	Algorithms and Data Structures	3	
	COSC 2410	Computer Organization & Programming	4	COSC 3330	Computer Architecture	3	
	MATH 2433	Calculus III	4	MATH 3336	Discrete Mathematics	3	
	MATH 2331	Linear Algebra	3	PHYS 1322	University Physics II	3	
	PHYS 1321	University Physics I	3	CORE	Social & Behavioral Sciences	3	
	Semester Hours		17	Semester Hours		15	32

YEAR 3	Semester 1			Semester 2			
	COSC 3340	Intro to Automata & Computability	3	COSC 3360	Fundamentals of Operating Systems	3	
	COSC 3380	Design of File & Database Systems	3	COSC 4351	Funds of Software Engineering	3	
	MATH 3338	Probability	3	MATH 3339	Statistics for the Sciences	3	
	CORE	Language, Philosophy & Culture	3	Elective	Approved Elective	1	
		Natural Science Approved Course	3		Natural Science Approved Course	3	
		Natural Science Laboratory	1			Natural Science Laboratory	1
Semester Hours		16	Semester Hours		14	30	

YEAR 4	Semester 1			Semester 2			
	CORE	Writing in the Disciplines	3	COSC 4211	Computer Scientists & Society	2	
	CORE	Creative Arts	3	Elective	Approved Elective	5	
	Elective	Math Approved elective (4000 Level)	3	Elective	Computer Science Approved Electives (3000 or 4000 level)	6	
	Elective	Computer Science Approved Electives (3000 or 4000 level)	3				
	Semester Hours		12	Semester Hours		13	25
						120	

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