

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Computer Science

(Systems, Science Option)

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	

YEAR 2	Semester 1				Semester 2				
	COSC 2320	Data Structures	3		COSC 3320	Algorithms and Data Structures	3		
	COSC 2410	Computer Org & 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	

YEAR 3	Semester 1				Semester 2				
	COSC 3340	Intro to Automata & Computability	3		COSC 4330	Fundamentals of Operating Systems	3		
	COSC 3380	Design of File & Database Systems	3		COSC 4351	Fund 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 Sci. 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 Elec. (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	
								120	