

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Computer Science (Business 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	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 2331	Linear Algebra	3	MATH 3336	Discrete Mathematics	3		
	Natural Science Approved Course	3	CORE	Social & Behavioral Sciences	3		
	Natural Science Laboratory	1		Natural Science Approved Course	3		
				Natural Science Laboratory	1		
	Semester Hours	14		Semester Hours	16	30	

YEAR 3	Semester 1			Semester 2			
	ACCT 2331	Accounting Principles I – Financial	3	ACCT 2332	Accounting Principles II – Managerial	3	
COSC 3340	Intro to Automata & Computability	3	COSC 3380	Design of File and Database Systems	3		
COSC 3360	Fundamentals of Operating Systems	3	COSC 4351	Fundamentals of Software	3		
MATH 3338	Probability	3	MATH 3339	Engineering	3		
CORE	Language, Philosophy & Culture	3	CORE	Creative Arts	3		
	Semester Hours	15		Semester Hours	15	30	

YEAR 4	Semester 1			Semester 2			
	MIS 3360	Systems Analysis and Design	3	COSC 4211	Computer Scientists and Society	2	
Elective	Computer Science Approved electives (3000 or 4000 level)	6	MIS 4374	IT Project Management, or	} 3		
CORE	Writing in the Disciplines	3	Or MIS 4378	Admin of Computer-Based MIS, or			
	Natural Science Approved Course	3	Or MIS 4379	Business Systems Consulting			
			Elective	Approved Elective	1		
			Elective	Computer Science Approved Electives (3000 or 4000 level)	3		
				Natural Science Approved Course	3		
	Semester Hours	15		Semester Hours	12	27	
						120	

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