



College of Natural Sciences & Mathematics

Bachelor of Science - Computer Science

(Business Option)

Four-Year Academic Map – 2014-2015

Year 1	Semester 1			Semester 2			Total
	COSC 1410	Introduction to Computer Science	4	COSC 1320	Introduction 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	
	MATH 1431	Calculus I	4	MATH 1432	Calculus II	4	
	POLS 1336	US & Texas Constitutions & Politics	3	POLS 1337	US Gov: Congress, President, & Courts	3	
	Semester Hours			17	Semester Hours		
						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	Introduction to Automata and Computability	3	COSC 3380	Design of File and Database Systems	3	
	COSC 4330	Fundamentals of Operating Systems	3	COSC 4351	Fundamentals of Software Engineering	3	
	MATH 3338	Probability	3	MATH 3339	Statistics for the Sciences	3	
	CORE	Language, Philosophy & Culture	3	CORE	Creative Arts	3	
	Semester Hours			15	Semester Hours		
						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	
				Or MIS 4378	Admin of Computer-Based MIS, or		
				Or MIS 4379	Business Systems Consulting		
	CORE	Writing in the Disciplines	3	Elective	Approved Elective	1	
		Natural Science Approved Course	3	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.

