COLLEGE OF NATURAL SCIENCES & MATHEMATICS
Bachelor of Science, Computer Science
(Software Design Option)
Four-Year Academic Map 2015-2016

YEAR 1

Semester 1 Fall			Semester 2 Spring			Total
COSC 1410	Into 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 Org & Programming	4	COSC 3330	Computer Architecture	3	
MATH 2331	Linear Algebra	3	CORE	Social & Behavioral Sciences	3	
	Natural Science Approved Course	3	MATH 3336	Discrete Mathematics	3	
	Natural Science Laboratory	1		Natural Science Apprv. Course	3	
				Natural Science Laboratory	1	
Semester Hours		14	Semester Hours		16	30

YEAR 3

Semester 1			Semester 2			
COSC 3340	Intro to Automata & Computability	3	COSC 3380	Design of File & Database Sys.	3	
COSC 4351	Funds. Of Software Engineering	3	MATH 3339	Statistics for the Sciences	3	
MATH 3338	Probability	3	CORE	Writing in the Disciplines	3	
CORE	Language, Philosophy & Culture	3		Natural Sci. Approved Course	3	
	Natural Science Approved Course	3	Elective	Computer Science Appr. Elective (3000 or 400 level)	3	
Semester Hours		15	Semester Hours		15	30

YEAR 4

Semester 1			Semester 2			
COSC 4330	Funds. of Operating Systems	3	COSC 4211	Computer Scientists & Society	2	
COSC 4353	Software Design	3	COSC 4354	Software Development Practices	3	
CORE	Creative Arts	3	Elective	Elective Courses	4	
Elective	Elective Courses	3	Elective	Computer Science Apprv. Electives (3000 or 4000 level)	6	
Semester Hours		12	Semester Hours		15	27
						120

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

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