

**SUGGESTED COURSE SEQUENCE FOR COMPUTER SCIENCE
SOFTWARE ENGINEERING CONCENTRATION
TOTAL SEMESTER HOURS REQUIRED TO GRADUATE = 122**

YEAR 1

Fall				Spring			
UNIV	1101	Freshman Seminar I	1	UNIV	1102	Freshman Seminar II	1
ENGL	1301	Intro to College Composition	3	ENGL	1302	College Rhetoric and Composition	3
MATH	2413*	Calculus I	4	MATH	2414	Calculus II	4
COSC	1312	Programming Foundations I	3	COSC	2311	Programming in JAVA	3
KINE	1304/1338	Health and Wellness	3	COMM	1315	Public Speaking	3
COSC	1311	Foundations of Computer Science	3	KINE		Physical Education	1
TOTAL			17				15

YEAR 2

Fall				Spring			
COSC	2313	Data Structures	3	MATH	1324	Statistics	3
MATH	2306	Discrete Math	3	COSC	2327	Intro to Web Programming	3
MATH	2318	Linear Algebra	3	HIST	1301/1302	US History 1 or 2	3
PHYS	2425	Physics I	4	PHYS	2426	Physics II	4
Phil/RELI	2301/2302	Religion or Philosophy	3		Behavior Science	Intro to Sociology, Intro to Psychology. Social Problems	3
TOTAL			16	TOTAL			16

YEAR 3

Fall				Spring			
COSC	3312	Database and Information Retrieval	3	COSC	3321	Computer Organization and Architecture (Elective)	3
COSC	3327	Data Mining	3	Lan 2		Spanish/French/Chinese	3
Fine Arts			3	ENGL		Literature	3
Lang 1		Spanish/French/Chinese	3	COSC	3427	Computer Networks	4
		AA Diversity	3	COSC	2326	Intro to Enterprise Computing	3
TOTAL			15	TOTAL			16

YEAR 4

Fall				Spring			
PSCI	1301 or 1302	Government (US or Texas)	3	MATH	3336	Numerical Techniques	3
COSC		COSC Elective	3	COSC	4368	Intro to Computational Science	3
COSC	4311	Software Engineering I	3	COSC	4322	Software Engineering II	3
		COSC Elective	3	COSC	4308	Computer Science Internship	3
		General Diversity	3				
TOTAL			15	TOTAL			12