

SOFTWARE ENGINEERING MATRIX
Start in 2009-10 in Engineering, Transfer after 1 Term

YEAR 1		YEAR 2		YEAR 3		YEAR 4	
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6	TERM 7	TERM 8
Math 1003 Intro to Calculus I (4-0-0) ☐	Math 1013 Intro to Calculus II (4-0-0) ☐	CS1083 Comp Sci Concepts (3-1-2) ☐	CS 2023 Procedural Programming (3-0-2) ☐	CS 3613 Programming Languages (3-0-0) ☐	CS 3043 Software Eng II (3-0-2*) ☐	SWE 4040 Design Project (0-0-6) ☐	
3	3	4	4	3	4	3	3
Math 1503 Intro to Linear Algebra (3-0-0) ☐	BAS SCI ☐	CS 1303 Discrete Structures (3-1-0) ☐	INFO 2103 Info Systems (replaces CS2513) (3-0-2) ☐	CS 3323 Intro to Data Structures (3-1-2) ☐	CS3413 Operating Systems 1 (3-0-0) ☐	SWE 4103/4203 Software Quality OR Software Evol (3-0-3*) ☐	CMPE 3232 Embedded Systems Design (3-0-2) (replaces ME2613) ☐
3	5	4	4	4	4	4	4
CS1003*** Programming & Prob Solving (3-1-3*) ☐	CS 1073 Computer Prog in Java (3-1-2) ☐	STAT 2593 Probability & Statistics ((3-0-0)) ☐	CS 2333 Computation & FL (3-1-0) ☐	CMPE 3221 Computer Org (3-1-3*) ☐	CS 3503 System Analysis and Design (3-1-0) ☐	CS 3933 Algorithms (3-1-0) ☐	TE ☐
4	4	3	4	4	4	4	4
APSC 1013 Mechanics I (3-0-3) ☐	EE 1813 E & M (3-1-3*) ☐	EE 2701 Electric Circuits (3-1-3*) ☐	CMPE 2412 Sim & Analysis (3-0-3) ☐	SWE 4103/4203 Software Quality OR Software Evol (3-0-3*) ☐	CMPE 3812 Data Comm and Networks (3-0-3*) ☐	TE ☐	TE ☐
5	4	4	4	4	4	4	4
ENGG 1013 Design and Communication (3-3-3) ☐	CHEM 1882 Chemistry (3-1-2) ☐	CMPE 2213 Digital Systems I (3-1-3*) ☐	CSE Eng. Economics (CE 3963/ME 3232) (3-0-0) ☐	CSE HSS Short List ☐	CMPE 3242 Computer Arch (3-1-3*) ☐	CSE HSS ☐	CSE open ☐
6	5	4	3	3	4	3	3
		BAS SCI ☐	CS 2043 Software Eng I INTERSESSION (3-1-2) ☐	☐	☐		ENGG 4013 Law & Ethics (3-0-0) ☐
		3	4				3
21	21	22	23	18	20	18	21

Total Ch: 164
CSE - Complementary Studies Elective
**** Replaces APSC 1023: Mechanics II*
TE - Technical Elective
BAS SCI Basic Science Elective

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