

SOFTWARE ENGINEERING MATRIX

Start in 2010-11

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) <input type="checkbox"/>	Math 1013 Intro to Calculus II (4-0-0) <input type="checkbox"/>	CS 2043 Software Eng. I (3-1*-2) <input type="checkbox"/>	CS 2253 ** Machine Level Programming (3-0-2) <input type="checkbox"/>	CS 2333 Computability & Formal Lang. (3-1-0) <input type="checkbox"/>	CS 3043 Software Eng II (3-0-3) <input type="checkbox"/>	SWE 4040 Design Project 0-0-6) 3 <input type="checkbox"/>	
Math 1503 Intro to Linear Algebra (4-0-0) <input type="checkbox"/>	CS1003 * Programming & Prob Solving (3-1-3*) <input type="checkbox"/>	CS 1303 Discrete Structures (3-1-0) <input type="checkbox"/>	INFO 2103 Info Systems (replaced CS2533 in 2008) (3-0-3) <input type="checkbox"/>	CS 2383 *** Data Structures & Algorithms (3-1-0) <input type="checkbox"/>	CS 3613 Programming Languages (3-0-0) <input type="checkbox"/>	SWE 4103/4203 Software Quality OR Software Evol (3-0-3*) <input type="checkbox"/>	CMPE 3232 Embedded Systems Design (3-0-0) <input type="checkbox"/> <small>(replaces ME2613)</small>
CS 1073 Computer Prog in Java (3-2-0) <input type="checkbox"/>	CS1083 Computer Prog II (3-2-0) <input type="checkbox"/>	CMPE 2213 Digital Systems I (3-1-3*) <input type="checkbox"/>	CMPE 2412 Sim & Analysis (3-1-2) <input type="checkbox"/>	CMPE 3221 Computer Org (3-1-3*) <input type="checkbox"/>	CS 3503 System Analysis and Design (3-1-0) <input type="checkbox"/>	CS 3383 **** Algorithm Design & Analysis (3-1-0) <input type="checkbox"/>	TE <input type="checkbox"/>
PHYS 1081 ***** Foundations of Physics for Engineers (3-0-3) <input type="checkbox"/>	EE 1813 E & M (3-1-3*) <input type="checkbox"/>	EE 2701 Electric Circuits (3-1-3*) <input type="checkbox"/>	CSE Eng. Economics (CE 3963/ME 3232) (3-0-0) <input type="checkbox"/>	SWE 4103/4203 Software Quality OR Software Evol (3-0-3*) <input type="checkbox"/>	CMPE 3812 Data Comm and Networks (3-0-3*) <input type="checkbox"/>	CS3413 Operating Systems 1 (3-0-2) <input type="checkbox"/>	TE <input type="checkbox"/>
ENGG 1003 Technical Communications (2-0-3) <input type="checkbox"/>	CHEM 1982 + CHEM 1987 Chemistry (3-0-3) <input type="checkbox"/>	BAS SCI <input type="checkbox"/>	BAS SCI <input type="checkbox"/>	CSE Humanities & Social Sciences <input type="checkbox"/>	CMPE 3242 Computer Arch (3-1-3*) <input type="checkbox"/>	TE <input type="checkbox"/>	CSE open <input type="checkbox"/>
ENGG 1015 Design & Problem Solving (1-0-2) <input type="checkbox"/>		STAT 2593 Probability & Statistics (3-0-0) <input type="checkbox"/>	CSE HSS Short List <input type="checkbox"/>				ENGG 4013 Law & Ethics (3-0-0) <input type="checkbox"/>
ENGG 1001 Lecture Series <input type="checkbox"/>							
21	20	24	21	19	19	19	21

* Replaced APSC 1023 Mechanics II in 2009
 ***** Replaced APSC 1013 Mechanics I in 2010

Total Ch: 164

CSE - Complementary Studies Elective; see www.cs.unb.ca/~bgn/swe for more info on CSEs

TE - Technical Elective

BAS SCI Basic Science Elective

** Replaced CS 2023 Proc. Program Dev. in 2010
 *** Replaced CS 3323 Int. to Data Structures in 2010
 **** Replaced CS 3933 Algorithms in 2010

Updated: May 28, 2010