

COMPUTER ENGINEERING MATRIX - Start 2008; Graduation 2012

Instrumentation & Control Option

Student Name: \_\_\_\_\_

Student Number: \_\_\_\_\_

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"/> 3	Math 1013 Intro to Calculus II (4-0-0) <input type="checkbox"/> 3	Math 2513 Multivariable Calculus (4-0-0) <input type="checkbox"/> 4	MATH 3503 Differential Equations (3-1-0) <input type="checkbox"/> 3	EE 3111 Electronics I <input type="checkbox"/> 4	EE 3122 Electronics II <input type="checkbox"/> 4	CMPE 4040 CMPE Design Project (0-0-6) <input type="checkbox"/> 3	
MATH 1503 Linear Algebra <input type="checkbox"/> (3-1-0) <input type="checkbox"/> 3	EE 1813 Electricity & Magnetism (3-1-2*) <input type="checkbox"/> 4	STAT 2593 Probability & Statistics ((3-0-0) <input type="checkbox"/> 3	CHE 2501 Gen Materials Science (3-0-0) <input type="checkbox"/> 3	EE 3821 Electromagnetics 1 <input type="checkbox"/> (3-1-3*) <input type="checkbox"/> 4	EE 3312 Systems and Control (EE3323 INSO) (3-1-3*) <input type="checkbox"/> 4	CMPE 4251 Real Time Systems (3-0-2*) <input type="checkbox"/> 4	ME 3232 Eng Economics <input type="checkbox"/> (3-0-0) <input type="checkbox"/> 3
CS 1073 Computer Prog in Java <input type="checkbox"/> (3-1-2) <input type="checkbox"/> 4	CS 1083 Computer Science Concepts (3-1-2) <input type="checkbox"/> 4	BAS SCI <input type="checkbox"/> 3	CHE 2506 Gen Materials Lab (0-0-3) <input type="checkbox"/> 1	EE 3511 Signals <input type="checkbox"/> (3-1-3*) <input type="checkbox"/> 4	CMPE 3232 Embedded Systems Design (3-0-2*) <input type="checkbox"/> 4	CMPE 4261 Digital System Design (3-0-3*) <input type="checkbox"/> 4	ENGG 4013 Law & Ethics for Engineers (3-0-0) <input type="checkbox"/> 3
APSC 1013 Mechanics I <input type="checkbox"/> (3-0-3) <input type="checkbox"/> 5	APSC 1023 Mechanics 2 <input type="checkbox"/> (3-0-3) <input type="checkbox"/> 5	EE 2711 Electric Circuits (3-1-3*) <input type="checkbox"/> 4	EE 2722 Circuits & Systems (3-1-3*) <input type="checkbox"/> 4	CMPE 3221 Computer Organization (3-1-3*) <input type="checkbox"/> 4	CMPE3242 Computer Architecture (3-0-3*) <input type="checkbox"/> 4	EE4323 or EE4343 Indus Control Sys (3-0-3*) <input type="checkbox"/> 4	ME 5643 Automatic Controls II <input type="checkbox"/> 4
ENGG 1013 Design & Comm <input type="checkbox"/> (3-1-3) <input type="checkbox"/> 6	CHEM 1882 Gen Chemistry Physical & Inorganic (3-1-3) <input type="checkbox"/> 5	CMPE 2213 Digital Systems <input type="checkbox"/> (3-0-2*) <input type="checkbox"/> 4	CMPE 2412 Simulation & Analysis (3-0-3*) <input type="checkbox"/> 4	CS 2033 Software Design for Engineers (3-1-2*) <input type="checkbox"/> 4	CMPE 3812 Data Comm and Network (3-0-3*) <input type="checkbox"/> 4	CSE <input type="checkbox"/> 3	ME5653 Pred Control & Intelligent Sensors (3-1-3*) <input type="checkbox"/> 4
		CSE <input type="checkbox"/> 3	HSS Tech & Society <input type="checkbox"/> 3			HSS <input type="checkbox"/> 3	INSO TE (Area Elective) <input type="checkbox"/> 4
21	21	21	18	20	20	21	21

Total Ch: 163

CSE - Complementary Studies Elective

TE - Technical Elective

BAS SCI Basic Science Elective

INSO Area Electives

EE4133 Instrumentation Design

EE4333 Robotics

ME5163 Machinery Vibration and Noise

ME5663 Hydraulic Power Systems