

COMPUTER ENGINEERING MATRIX - Start 2008; Graduation 2012

Mechatronics 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 (3-1-3*) <input type="checkbox"/> 4	EE 3122 Electronics II (3-1-3*) <input type="checkbox"/> 4	CMPE 4040 CMPE Design MECHO Project (0-0-6) <input type="checkbox"/> 3	
MATH 1503 Linear Algebra (3-1-3) <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 General Materials Science (3--0-0) <input type="checkbox"/> 3	EE 3821 Electromagnetics 1 (3-1-3*) <input type="checkbox"/> 4	EE 3312 Systems and Control (3-1-3*) <input type="checkbox"/> 4	CMPE 4251 Real Time Systems (3-0-2*) <input type="checkbox"/> 4	ME 3232 Eng Economics (3-0-0) <input type="checkbox"/> 3
CS 1003 Problem Solving and Programming (3-1-2) <input type="checkbox"/> 4	CS1023 Data Structures and Algorithms (3-2L) <input type="checkbox"/> 4		CHE2506 Gen Materials Lab (0-0-3) <input type="checkbox"/> 1	EE 3511 Signals (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 (3-0-3) <input type="checkbox"/> 5	APSC 1023 Mechanics 2 (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	BAS SCI <input type="checkbox"/> 4	EE 4133 Instrumentation Design (3-0-3*) <input type="checkbox"/> 4	MECH-O TE (Area Elective) <input type="checkbox"/> 4
ENGG 1013 Design & Comm (3-1-3) <input type="checkbox"/> 6	CHEM 1882 Gen Chemistry Physical & Inorganic (3-1-3) <input type="checkbox"/> 5	CMPE 2213 Digital Systems (3-0-2*) <input type="checkbox"/> 4	CMPE 2412 Simulation & Analysis (3-0-3*) <input type="checkbox"/> 4	ME 2143 <input type="checkbox"/> (3-1-2*) <input type="checkbox"/> 3	CMPE 3812 Data Comm and Network (3-0-3*) <input type="checkbox"/> 4	EE 4333 Robotics (3-0-3*) <input type="checkbox"/> 4	FE 3363 <input type="checkbox"/> 3
		CE 2023 <input type="checkbox"/> 5	HSS Tech & Soc <input type="checkbox"/> 3	CS2033 Software Design for Eng (3-1-2*) <input type="checkbox"/> 4	CSE <input type="checkbox"/> 3	CSE <input type="checkbox"/> 3	HSS <input type="checkbox"/> 3
21	21	20	18	23	22	22	19

Total Ch: 166

CSE - Complementary Studies Elective

TE - Technical Elective

BAS SCI Basic Science Elective

MECHO Area Electives

CMPE3242 Computer Architecture

CMPE 4433 Safety Critical System Design

CS 3323 Data Structures

EE 3612 Electric Machines

EE 4323 Industrial Control Systems

ME 4173 Design and Analysis of Robots

ME4683 Mechatronics Applications

ME 5653 Predictive Control and Intelligent Systems