NAME: **STUDENT #:** **YEAR:**

COMPUTER ENGINEERING PROGRAM					
Course Name	**Previous #**	**Course #**	**Term**	**Grade**	**CHECK**
Introductory Chemistry 1	CHEM 1300	CHEM 1100 (3)			
Introduction to Chemistry Techniques for Engineering 1	CHEM 1300	CHEM 1122 (1.5)			
Computer Programming for Scientists and Engineers		COMP 1012 (3)			
Engineering Design	130.140 (4)	ENG 1430 (3)			
Introduction to Statics	130.135 (4)	ENG 1440 (3)			
Introduction Electrical and Computer Engineering	130.118 (4)	ENG 1450 (3)			
Introduction Thermal Sciences		ENG 1460 (3)			
Classical and Linear Algebra		MATH 1210 (3)			
Applied Calculus 1		MATH 1510 (3)			
Applied Calculus 2		MATH 1710 (3)			
Physics 1		PHYS 1050 (3)			
Written English Course for Engineering Students (3)	ENGL 1400 (3)				
Ecology, Technology and Society	24.369	ANTH 2430 (3)			
Engineering Economics	CIVL 4050 (3)	ENG 3000 (3)			
Computer Science 2		COMP 1020 (3)			
Data Structures and Algorithms		COMP 2140 (3)			
Engineering Communications	ENG 2010 (3)	ENG 2030 or ENG 2040 (3)			
Engineering Mathematical Analysis 1	MATH 2100 (4)	MATH 2130 (3)			
Engineering Mathematical Analysis 2	MATH 2110 (4)	MATH 2132 (3)			
Mathematics for Computer Engineers		MATH 2136 (3)			
Modern Physics for Engineers		PHYS 2152 (3)			
Modern Statistics for Engineers	5.250	STAT 2220 (3)			
Electronics 2E		ECE 2160 (5)			
Digital Logic		ECE 2220 (5)			
Electric Circuits	ECE 2260	ECE 2262 (4)			
Engineering Algorithms 1		ECE 2400 (4)			
Engineering Algorithms 2		ECE 3400 (4)			
Microprocessing Systems		ECE 3610 (4)			
Telecommunication Network Engineering		ECE 3700 (4)			
System Engineering Principles 1		ECE 3740 (4)			
Digital System Design 1		ECE 3760 (4)			
Signal Processing 1		ECE 3780 (4)			
Microprocessor Interfacing		ECE 4240 (4)			
Group Design Project		ECE 4600 (6)			
Signal Processing 2		ECE 4830 (4)			
Restricted Elective		COMP 3010 (3), COMP 3430 (3), ECE 3630 (4), or ECE 4530 (4)			
Complementary Studies Elective (3) [1 of 2]					
Complementary Studies Elective (3) [2 of 2]					

** A maximum of two (2) Electrical Engineering technical electives may be taken as part of the Computer Engineering Program.*

GENERAL PROGRAM ELECTIVES (No Focus Area)		*Applies to students who are not completing one of the five focus areas.*			
Control Systems or Communication Systems		ECE 4150 or ECE 4260 (4)			
Technical Elective [1 of 5]*					
Technical Elective [2 of 5]*					
Technical Elective [3 of 5]*					
Technical Elective [4 of 5]*					
Technical Elective [5 of 5]*					
Natural Science Elective [1 of 2}					
Natural Science Elective [2 of 2]					

Revision Date: 15 May 2024

NAME: **STUDENT #:** **YEAR:**

Course Name	Previous #	Course #	Term	Grade	CHECK
COMPUTER NETWORKS AND COMMUNICATIONS FOCUS AREA					
Communication Systems		ECE 4260 (4)			
Computer Networks Elective [1 of 3]					
Computer Networks Elective [2 of 3]					
Computer Networks Elective [3 of 3]					
Technical Elective [1 of 2]*					
Technical Elective [2 of 2]*					
Natural Science Elective [1 of 2}					
Natural Science Elective [2 of 2]					
EMBEDDED SYSTEMS FOCUS AREA					
Control Systems		ECE 4150 (4)			
Embedded Systems Elective [1 of 3]					
Embedded Systems Elective [2 of 3]					
Embedded Systems Elective [3 of 3]					
Technical Elective [1 of 2]*					
Technical Elective [2 of 2]*					
Natural Science Elective [1 of 2}					
Natural Science Elective [2 of 2]					
SOFTWARE ENGINEERING FOCUS AREA					
Control Systems or Communication Systems		ECE 4150 or ECE 4260 (4)			
Software Engineering 1		COMP 3350 (3)			
Software Engineering Elective (1 of 3)					
Software Engineering Elective (2 of 3)					
Software Engineering Elective (3 of 3)					
*Technical Elective**					
Natural Science Elective [1 of 2}					
Natural Science Elective [2 of 2]					
MECHATRONICS FOCUS AREA					
Control Systems		ECE 4150 (4)			
Introduction to Robotics		ECE 4180 (4)			
Mechatronics System Design		MECH 4900 (4)			
Mechatronics Elective [1 of 2]					
Mechatronics Elective [2 of 2]					
*Technical Elective**					
Natural Science Elective [1 of 2}					
Natural Science Elective [2 of 2]					

NOTES

Graduation Date:

NAME: **STUDENT #:** **YEAR:**

Course Name	Previous #	Course #	Term	Grade	CHECK
BIOMEDICAL FOCUS AREA		***These two courses satisfy the Natural Science requirement for this focus area.*			
Control Systems or Communication Systems		ECE 4150 or ECE 4260 (4)			
Biomedical Instrumentation and Signal Processing		ECE 4610 (4)			
Anatomy of the Human Body**		BIOL 1410 (3)			
Electromagnetic Field Theory**		PHYS 2600 (3)			
Biomedical Group A Elective					
Biomedical Group A or Group B Elective					
Technical Elective [1 of 2]*					
Technical Elective [2 of 2]*					

ENTREPRENEURSHIP FOCUS AREA		*** This course satisfies the requirement for one Complementary Studies elective.*			
Control Systems or Communication Systems		ECE 4150 or ECE 4260 (4)			
Project Management		MECH 3170			
Starting a New Business **		ENTR 2020			
Entrepreneurship Elective [1 of 2]					
Entrepreneurship Elective [2 of 2]					
Technical Elective [1 of 2]*					
Technical Elective [2 of 2]*					