Combined Major, Computer Engineering and Computer Science
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL		SPRING		SUMMER 1		SUMMER 2	
Year 1	MATH1341 Calculus 1 for Engrs.	4	MATH1342 Calculus 2 for Engrs.	4	Vacation		Vacation	
	CHEM1151 General Chem. for Engrs.	4	PHYS1151 Physics 1 for Engrs.	3				
	CHEM1153 Recitation for CHEM1151	0	PHYS1152 Physics 1 Lab	1				
	GE1000 Intro to Eng'g	1	PHYS1153 ILS for PHYS1151	1				
	GE1110 Eng'g Design	4	GE1111 Eng'g Prob. Solv. & Comp.	4				
	NU Core Arts Lvl 1 OR Hum. Lvl 1	4	ENGW1111 College Writing	4				
Year 2 AA	MATH2341 Diff. Eq./Lin. Alg.	4	EECE2160 Embedded Design: Enabling Robotic	3	Vacation		Co-op	
	PHYS1155 Physics 2 for Engrs.	3	EECE2161 Lab for EECE2160	1				
	PHYS1156 Physics 2 Lab	1	CS2510 Fundamentals CS 2	4				
	PHYS1157 ILS for PHYS1155	1	CS2511 Lab for CS2510	1				
	CS2500 Fundamentals CS 1	4	CS2800 Logic and Computation	4				
	CS2501 Lab for CS2500	1	CS2801 Lab for CS2800					
	CS1800 Discrete Structures	4	NU Core Social Science Level 1	4				
			EECE2000 Intro to Eng'g. Coop	1				
Year 2 BB	MATH2341 Diff. Eq./Lin. Alg.	4	Co-op		Co-op		Vacation	
	PHYS1155 Physics 2 for Engrs.	3						
	PHYS1156 Physics 2 Lab	1						
	PHYS1157 ILS for PHYS1155	1						
	CS2500 Fundamentals CS 1	4						
	CS2501 Lab for CS 2500	1						
	CS1800 Discrete Structures	4						
	EECE2000 Intro to Eng'g. Coop	1						
Year 3 AA	Co-op		EECE2150 Circuits & Signals: Biomed App.	4	*ENGW3302 Adv. Writing for Prof.	4	Co-op	
			EECE2151 Lab for EECE2150	1	CS3500 Object Oriented Des.	4		
			EECExxxx CE Fundamentals	4/5				
			EECExxxx CE Fundamentals	4/5				
			CS3650 Computer Systems	4				
Year 3 BB	EECE2150 Circuits & Signals: Biomed App.	4	Co-op		Co-op		*ENGW3302 Adv. Writing for Prof.	4
	EECE2151 Lab for EECE2150	1					MATH3081 Probability	4
	EECE2160 Embedded Design: Enabling Robotics	3						
	EECE2161 Lab for EECE2160	1						
	CS2510 Fundamentals CS 2	4						
	CS2511 Lab for CS2510	1						
	CS2800 Logic and Computation	4						
	CS2801 Lab for CS2800	1						
Year 4 AA	Co-op		EECE3000 Prof. Issues in Eng'g	1	EECE4790 Capstone Design 1	4	Co-op	
			EECExxxx CE Fundamentals	4/5	CS4800 Algorithms & Data	4		
			EECExxxx EE Fundamentals	4/5				
			MATH3081 Probability	4				
			CS3700 Networks & Distributed Sys.	4				
Year 4 BB	EECE3000 Prof. Issues in Eng'g	1	Co-op		Co-op		EECE4790 Capstone Design 1	4
	EECExxxx CE Fundamentals	4/5					CS4800 Algorithms & Data	4
	EECExxxx CE Fundamentals	4/5						
	CS3500 Object-Oriented Design	4						
	CS3650 Computer Systems	4						
Year 5 AA	Co-op		EECE4792 Capstone Design 2	4				
			Elective EECE Tech Elective	4				
			Elective EECE/CCIS Tech Elective	4				
			CS4500 Software Development	4				
Year 5 BB	EECExxxx CE Fundamentals	4/5	EECE4792 Capstone Design 2	4				
	EECExxxx EE Fundamentals	4/5	Elective EECE Tech Elective	4				
	CS3700 Networks & Distributed Sys.	4	Elective EECE/CCIS Tech Elective	4				
	NU Core Social Science Level 1	4	CS4500 Software Development	4				

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*ENGW3301 or ENGW3315 are acceptable substitutions for ENGW3302

NU Core Elective Requirements: 2 required- (one Arts Lvl 1 OR one Humanities Lvl 1) AND (one Social Science Lvl 1)

3 Required CE Fundamentals: EECE2322/2323 - Fundamentals Digital Design & Lab AND EECE2540 - Fundamentals Networks AND EECE2560 - Fundamentals Algorithms

1 Required EE Fundamentals: EECE2412/2413 - Fundmentals Electronics 1 & lab OR EECE2520 - Fundamentals Linear Systems OR EECE 2530/2531 - Fundamentals Electromagnetics & lab.

1 EECE technical elective (EECE3392-EECE4626), (EECE4630-EECE4698), EECE4993, (EECE5576-EECE5696), ENGR4608, ENGR56701

1 EECE or CCIS technical elective (EECE3392-EECE4626), (EECE4630-EECE4698), EECE4993, (EECE5576-EECE5696), ENGR4608, ENGR56701,

CS3200, CS3740, CS3800, CS4100, CS4300, CS4400, CS4410, CS4520, CS4550, CS4610/4611, CS4650, IS4200, IS4300, IS4700

EE Fundamental Courses not taken to meet the above requirements, may be taken as EECE technical electives.

Note: AP credit for MATH2280 will substitute for MATH3081 requirement. (effective Fall 2010)

Note: MATH1215, CS1100 will not count toward general elective requirements. Please check with your advisor when taking a general elective in overlapping disciplines.

The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.