

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING  
CURRICULUM OUTLINE - CLASS OF 2013,2014,2015,2016, 2017**

	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	ENGL1111	College Writing	4				
Year 2 AA	MATH2341	Diff. Eq./Lin. Alg.	4	MATH2310	Discrete Math	4	Vacation	Co-op		
	PHYS1155	Physics 2 for Engrs.	3	EECE2000	Intro to Eng'g Coop	1				
	PHYS1156	Physics 2 Lab	1	EECE2322	Digital Logic Design	4				
	PHYS1157	ILS for PHYS1155	1	EECE2323	Lab for EECE2322	1				
	CS1500	Algorithms & DS	4	EECE2410	Circuits	4				
	CS1501	Lab for CS1500	1	EECE2411	Intro to ECE Lab	1				
NU Core	Social Science Lvl. 1	4	Elective	General Elective 1	4					
Year 2 BB	MATH2341	Diff. Eq./Lin. Alg.	4	Co-op	Co-op	Co-op	Vacation			
	PHYS1155	Physics 2 for Engrs.	3							
	PHYS1156	Physics Lab 2	1							
	PHYS1157	ILS for PHYS1155	1							
	CS1500	Algorithms & DS	4							
	CS1501	Lab for CS1500	1							
EECE2000	Intro to Eng'g. Coop	1								
NU Core	Social Science Lvl. 1	4								
Year 3 AA	Co-op			EECE2412	Electronics 1	4	MATH3081	Probability	4	
				EECE2413	Lab for EECE2412	1		Elective	General	4
				EECE3324	Computer Architecture	4		Elective 3	Co-op	
				EECE3326	Optimization Methods	4				
				Elective	General Elective 2	4				
Year 3 BB	MATH2310	Discrete Math	4	Co-op	Co-op	Co-op	Elective	General	4	
	EECE2322	Digital Logic Design	4				Elective	Elective 2	4	
	EECE2323	Lab for EECE2322	1				EECE Technical	Elective 1		
	EECE2410	Circuits	4							
	EECE2411	Intro to ECE Lab	1							
	Elective	General Elective 1	4							
Year 4 AA	Co-op			*ENGL3302	Adv. Writing for Prof.	4	EECE4790	Capstone 1	4	
				EECE3000	Prof. Issues in Eng'g	1	Elective	EECE Technical	4	
				EECE4628	Computer Networks	4	Elective 2	Co-op		
				EECE4629	Internetworking Des. Lab	1				
				Elective	EECE Technical Elective 1	4				
Elective	General Elective 4	4								
Year 4 BB	EECE2412	Electronics 1	4	Co-op	Co-op	Co-op	EECE4790	Capstone 1	4	
	EECE2413	Lab for EECE2412	1				MATH3081	Probability	4	
	EECE3000	Prof. Issues in Eng'g.	1							
	EECE3324	Computer Architecture	4							
	EECE3326	Optimization Methods	4							
	Elective	General Elective 3	4							
Year 5 AA	Co-op			EECE4792	Capstone Design 2	4				
				Elective	General Elective 5	4				
				Elective	EECE Technical Elective 3	4				
				Elective	EECE Technical Elective 4	4				
Year 5 BB	*ENGL3302	Adv. Writing for Prof.	4	EECE4792	Capstone Design 2	4				
	EECE4628	Computer Networks	4	Elective	General Elective 5	4				
	EECE4629	Internetworking Lab	1	Elective	EECE Technical Elective 3	4				
	Elective	General Elective 4	4	Elective	EECE Technical Elective 4	4				
	Elective	EECE Technical Elective 2	4							

Revised 3/2012

\*ENGL3301 is an acceptable substitution for engineering majors.

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

**Technical Elective Requirements: 4 required** - Any EECE course that is not required for your major program of study will satisfy this requirement.

**One CS course from the following approved list may be taken as a technical elective:** (CS3200, CS3600, CS3800, CS4100, CS4400, CS4410, CS4550, CS4600, CS4740)

**List of EECE technical electives:** (EECE3392, EECE3410 TO EECE3468, EECE4512 TO EECE4626, EECE4630 TO EECE4698, EECE5000 TO EECE5999, ENGR5670)

**General Elective Requirements: 5 required** - Any 4 SH course that is not remedial or repetitive.

**Electives may be interchanged. Please consult with your advisor:** Ellen Zierk 404 Dana, 617-373-2165 , ezierk@ece.neu.edu