

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2011**

	FALL		SPRING		SUMMER 1		SUMMER 2		
Year 1	MTHU241	Calculus 1 for Engrs.	4	MTHU242	Calculus 2 for Engrs.	4	Vacation	Vacation	
	CHMU151	General Chem. for Engrs.	4	PHYU151	Physics 1 for Engrs.	4			
	CHMU153	Recitation for CHMU151	0	PHYU152	Physics 1 Lab	1			
	GEU100	Intro to Eng'g	1	PHYU153	ILS for PHYU151	0			
	GEU110	Eng'g Design	4	ENGU111	College Writing	4			
	Gen. Educ.	Historical Elective	4	GEU111	Eng'g Prob. Solv. & Comp.	4			
Year 2 AA	MTHU343	Diff. Eq./Lin. Alg.	4	MTHU230	Discrete Math	4	Vacation	Co-op	
	PHYU155	Physics 2 for Engrs.	4	ECEU300	Intro to Eng'g. Coop	1			
	PHYU156	Physics 2 Lab	1	ECEU322	Digital Logic Design	4			
	PHYU157	ILS for PHYU155	0	ECEU323	Lab for ECEU322	1			
	CSU215	Algorithms & DS	4	ECEU400	Circuits	4			
	CSU216	Lab for CSU215	1	ECEU401	Intro to ECE Lab	1			
	Gen. Educ.	Social/Cultural Elective	4	Gen. Educ.	Soc./Sci. Hum. Elective	4			
Year 2 BB	MTHU343	Diff. Eq./Lin. Alg.	4	Co-op	Co-op	Co-op	Vacation		
	PHYU155	Physics 2 for Engrs.	4						
	PHYU156	Physics 2 Lab	1						
	PHYU157	ILS for PHYU155	0						
	CSU215	Algorithms & DS	4						
	CSU216	Lab for CSU215	1						
	ECEU300	Intro to Eng'g. Coop	1						
	Gen. Educ.	Social/Cultural Elective	4						
Year 3 AA	Co-op			EECE2412	Electronics 1	4	Co-op		
				EECE2413	Lab for EECE2412	1			
				EECE3324	Computer Architecture	4			
				EECE3326	Optimization Methods	4			
				Elective	General Elective 1	4			
Year 3 BB	MATH2310	Discrete Math	4	Co-op	Co-op	Co-op	Elective	General Elective 1	4
	EECE2322	Digital Logic Design	4				Elective	EECE Technical Elective 1	4
	EECE2323	Lab for EECE2322	1						
	EECE2410	Circuits	4						
	EECE2411	Intro to ECE Lab	1						
Gen. Educ.	Soc./Sci. Hum. Elective	4							
Year 4 AA	Co-op			*ENGL3302	Adv. Writing for Prof.	4	Co-op		
				EECE3000	Prof. Issues in Eng'g.	1			
				EECE4628	Computer Networks	4			
				EECE4629	Internetworking Lab	1			
				Elective	General Elective 3	4			
				Elective	EECE Technical Elective 1	4			
Year 4 BB	EECE3000	Prof. Issues in Eng'g.	1	Co-op	Co-op	Co-op	EECE4790	Capstone 1	4
	EECE2412	Electronics 1	4				Elective	EECE Technical Elective 2	4
	EECE2413	Lab for EECE2412	1						
	EECE3324	Computer Architecture	4						
	EECE3326	Optimization Methods	4						
	Elective	General Elective 2	4						
Year 5 AA	Co-op			EECE4792	Capstone Design 2	4			
				Elective	General Elective 4	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 4	4			
	EECE4629	Internetworking Des. Lab	1	Elective	EECE Technical Elective 3	4			
	Elective	General Elective 3	4	Elective	EECE Technical Elective 4	4			
	Elective	EECE Technical Elective 2	4						

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*ENGL3301 is an acceptable substitution for engineering majors.

General Education Electives 3 required - 1 historical elective, 1 social/cultural elective, 1 social/science humanites elective.

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

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

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

General Elective Requirements: 4 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