

**BACHELOR OF SCIENCE IN ELECTRICAL 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		
	GEU110	Eng'g. Design	4	PHYU153	ILS for PHYU151	0		
	GEU100	Intro to Eng'g.	1	GEU111	Eng'g. Prob. Solv. & Comp.	4		
	Gen. Educ.	Historical Elective	4	ENGL1111	College Writing	4		
Year 2 AA	MTHU343	Diff. Eq./Lin. Alg.	4	MTHU341	Calculus 3 for Engrs.	4	Vacation	Co-op
	PHYU155	Physics 2 for Engrs.	4	ECEU322	Digital Logic Design	4		
	PHYU156	Physics 2 Lab	1	ECEU323	Lab for ECEU322	1		
	PHYU157	ILS for PHYU155	0	ECEU402	Electronics 1	4		
	ECEU400	Circuits	4	ECEU403	Lab for ECEU402	1		
	ECEU401	Intro to ECE Lab	1	ECEU300	Intro to Eng'g. Coop	1		
	Gen. Educ.	Social/Cultural Elective	4	Gen. Educ.	Soc./Sci. Hum. Elective	4		
Year 2 BB	MTHU343	Diff. Eqs/Lin. Alg.	4	Co-op	Co-op	Vacation		
	PHYU155	Physics 2 for Engrs.	4					
	PHYU156	Physics 2 Lab	1					
	PHYU157	ILS for PHYU155	0					
	ECEU300	Intro to Eng'g. Coop	1					
	ECEU400	Circuits	4					
	ECEU401	Intro to ECE Lab	1					
Gen. Educ.	Social/Cultural Elective	4						
Year 3 AA	Co-op	ECEU440	Emag Field and Waves	4	CSU215	Algorithms & DS	4	Co-op
		ECEU441	Lab for ECEU440	1	CSU216	Lab for CSU215	1	
		ECEU464	Linear Systems	4	Elective	General	4	
		Elective	General Elective 1	4		Elective 3		
		Elective	General Elective 2	4				
Year 3 BB	MTHU341	Calculus 3 for Engrs.	4	Co-op	Co-op	CSU215	Algorithms & DS	4
	ECEU322	Digital Logic Design	4			CSU216	Lab for CSU215	1
	ECEU323	Lab for EECE2322	1			Elective	General	4
	ECEU402	Electronics 1	4				Elective 1	
	ECEU403	Lab for EECE2412	1					
	Gen. Educ.	Soc./Sci. Hum. Elective	4					
Year 4 AA	Co-op	EECE3000	Prof. Issues in Eng'g.	1	EECE4790	Capstone 1	4	Co-op
		EECE3468	Noise & Stoch. Proc.	4	EECE4572	Comm. Systems	4	
		*ENGL3302	Adv. Writing for Prof.	4				
		Elective	EECE Technical Elective 2	4				
		Elective	EECE Technical Elective 3	4				
Year 4 BB	EECE3000	Prof. Issues in Eng'g.	1	Co-op	Co-op	EECE4790	Capstone 1	4
	EECE3440	Emag Field and Waves	4			EECE3468	Noise & Stoch.	4
	EECE3441	Lab for ECEU440	1					
	EECE3464	Linear Systems	4					
	*ENGL3302	Adv. Writing for Prof.	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	EECE4572	Communication Systems	4	EECE4792	Capstone Design 2	4		
	Elective	General Elective 3	4	Elective	General Elective 4	4		
	Elective	EECE Technical Elective 1	4	Elective	EECE Technical Elective 3	4		
	Elective	EECE Technical Elective 2	4	Elective	EECE Technical Elective 4	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 humanities 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: (EECE3324, EECE3392, EECE4512 TO EECE4538, EECE4574 TO EECE4698, EECE5000 TO EECE5999, ENGR 5670)

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