

INTEGRATED DUAL MAJOR IN PHYSICS AND ELECTRICAL ENGINEERING
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	PHYU165	Physics 2	4			
	CHMU153	Recitation for CHMU151	0	PHYU166	Physics 2 Lab	1			
	PHYU161	Physics 1	4	GEU111	Eng'g Prob. Solv. & Comp.	4			
	PHYU162	Physics 1 Lab	1	ENGU111	College Writing	4			
	GEU110	Eng'g. Design	4						
	GEU100	Intro to Eng'g.	1						
Year 2 AA	MTHU341	Calculus 3 for Engrs.	4	PHYU305	Therm & Stat. Mech.	4	Vacation	Co-op	
	MTHU343	Diff. Eq./Lin. Alg.	4	ECEU300	Intro to Eng'g Coop	1			
	PHYU303	Modern Physics	4	ECEU322	Digital Logic Design	4			
	ECEU400	Circuits	4	ECEU323	Lab for ECEU322	1			
	ECEU401	Intro to ECE Lab	1	ECEU402	Electronics 1	4			
				ECEU403	Lab for ECEU402	1			
			Gen. Educ.	Historical Elective	4				
Year 3 AA		Co-op		ECEU440	Emag Field and Waves	4	CSU215	Algorithms &	4
				ECEU441	Lab for ECEU440	1	CSU216	DS & Lab	1
				ECEU464	Linear Systems	4	PHYU600	Adv. Physics	4
				PHYU602	Elect. & Magnetism	4		Lab	
				Gen. Educ.	Soc./Cult. Elective	4			
Year 4 AA		Co-op		PHYS5115	Quantum Mechanics	4	EECE4572	Comm. Sys.	4
				EECE3000	Prof. Issues in Eng'g	1	EECE4790	Capstone 1	4
				EECE3468	Noise & Stoch. Proc.	4			
				*ENGL3302	Adv. Writing for Prof.	4			
				Gen. Educ.	Soc/Sci. Hum. Elective	4			
Year 5 AA		Co-op		EECE4792	Capstone Design 2	4			
				PHYSxxxx	Adv. Physics Elective	4			
				Elective	EECE Technical Elective 1	4			
				Elective	EECE Technical Elective 2	4			

Revised 6/23/2010

*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: 2 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)

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