

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
CURRICULUM OUTLINE –
DUAL MAJOR IN PHYSICS AND ELECTRICAL ENGINEERING
Classes of 2010**

	Fall Semester	Spring Semester	Summer I	Summer II
Freshman	MTHU241 Calculus I 4 CHMU151 Chemistry 4 GEU110 Engineering Design 4 GEU100 Intro to Engineering 1 PHYU161 Physics I 4 PHYU162 Physics Lab 1 1	MTHU242 Calculus 2 4 PHYU165 Physics 2 4 PHYU166 Physics Lab 2 1 ENGU111 College Writing 4 GEU111 Engineering Probl. Solving and Computation 4	VACATION	VACATION
Sophomores AA (formerly Division A)	MTHU341 Calculus 3 4 MTHU343 Diff. Eqs./Lin. Alg 4 PHYU303 Modern Physics 4 ECEU400 Linear Circuits 4 ECEU401 Intro to ECE lab 1	PHYU305 Therm & Stat. Mech. 4 ECEU322 Digital Logic Design 4 ECEU323 Lab for ECEU322 1 ECEU402 Electronics 4 ECEU403 Lab for ECEU402 1 Elective _____ 4/5 ECEU300 Engrg. Coop Education 1	VACATION	COOP
Middlers AA (formerly Division A)	COOP	ECEU440 Electromagnetic Fields 4 ECEU441 Lab for ECEU440 1 ECEU464 Linear Systems 4 PHYU602 Elect. & Magnetism 4 Elective _____ 4/5	CSU215/216 Algorithms & DS with lab 5 PHYU600-Adv. Lab 1 - 4	COOP
Juniors AA (formerly Division A)	COOP	ENGU302 Adv. Writing for Prof. 4 ECEU468 Noise & Stoch. Proc. 4 PHYU617 Quantum Physics 4 Elective _____ 4/5 ECEU500 Prof. Issues in Engrg. 1	ECEU790 Capstone 1 4 ECEU572 Comm. Systems 4	COOP
Seniors AA (formerly Division A)	COOP	EECE 4792 Capstone Design 2 4 ¹ PHYS XXXX Advanced Elective 4 Elective _____ 4/5 Elective _____ 4/5		

¹Please see physics advisor for approval of this elective.

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Please see the back of this sheet for a detailed explanation of degree requirements

**Graduation Requirements: Class of 2010 – Dual Major Physics/EE
Bachelor of Science in Electrical Engineering.**

138 Semester Hours.

Technical elective requirement: 2 ECE technical electives: Any ECE course that is not required for your major program of study will satisfy this requirement.

General education elective requirement: 3 electives: 1 historical perspective, 1 social/cultural, 1 social science/humanities. Approved listings for these electives may be found in 404 Dana.

Departmental Academic Advisor: (all upper-class students)

Ellen M. Zierk

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Please refer to the following "conversionator" website for a chart of old/new course numbers:

<http://www.northeastern.edu/registrar/crsnumref-leg2udc.html>