

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING  
CURRICULUM OUTLINE  
Classes of 2010**

	<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer I</b>	<b>Summer II</b>
<b>Freshman</b>	MTHU241 Calculus 1 4 CHMU151 Chemistry 4 Elective _____ 4/5 GEU110 Engineering Design 4 GEU100 Intro to Engineering 1	MTHU242 Calculus 2 4 PHYU151 Physics 1 4 PHYU152 Physics Lab 1 1 ENGU111 College Writing 4 GEU111 Engineering Probl. Solving and Computation 4	<b>VACATION</b>	<b>VACATION</b>
<b>Sophomores AA (formerly Division A)</b>	MTHU343 Diff. Eqs./Lin. Alg 4 PHYU155 Physics 2 4 PHYU156 Physics Lab 2 1 ECEU400 Linear Circuits 4 ECEU401 Intro to ECE lab 1 Elective _____ 4/5	MTHU341 Calculus 3 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	<b>VACATION</b>	<b>COOP</b>
<b>Sophomores BB (formerly Division N)</b>	MTHU343 Diff. Eqs./Lin. Alg 4 PHYU155 Physics 2 4 PHYU156 Physics Lab 2 1 ECEU400 Linear Circuits 4 ECEU401 Intro to ECE lab 1 Elective _____ 4/5 ECEU300 Engrg. Coop Education 1	<b>COOP</b>	<b>COOP</b>	<b>VACATION</b>
<b>Middlers AA (formerly Division A)</b>	<b>COOP</b>	ECEU440 Electromagnetic Fields 4 ECEU441 Lab for ECEU440 1 ECEU464 Linear Systems 4 Elective _____ 4/5 Elective _____ 4/5	CSU215/216 Algorithms & DS with lab 5 Elective 4/5	<b>COOP</b>
<b>Middlers BB (formerly Division N)</b>	MTHU341 Calculus 3 4 ECEU322 Digital Logic Design 4 ECEU323 Lab for ECEU322 1 ECEU402 Electronics 4 ECEU403 Lab for ECEU402 1 Elective _____ 4/5	<b>COOP</b>	<b>COOP</b>	CSU215/216 Algorithms & DS with lab 5 Elective 4/5
<b>Juniors AA (formerly Division A)</b>	<b>COOP</b>	ENGU302 Adv. Writing for Prof. 4 ECEU468 Noise & Stoch. Proc. 4 Elective _____ 4/5 Elective _____ 4/5 ECEU500 Prof. Issues in Engrg. 1	ECEU790 Capstone 1 4  ECEU572 Comm. Sys. 4	<b>COOP</b>
<b>Juniors BB (formerly Division N)</b>	ECEU440 Electromagnetic Fields 4 ECEU441 Lab for ECEU440 1 ECEU464 Linear Systems 4 ENGU302 Adv. Writing for Prof. 4 Elective _____ 4/5 ECEU500 Prof. Issues in Engrg. 1	<b>COOP</b>	<b>COOP</b>	ECEU790 Capstone 1 4  ECEU468 Noise & Stoch. Proc. 4
<b>Seniors AA (formerly Division A)</b>	<b>COOP</b>	EECE 4792 Capstone Design 2 4 Elective _____ 4/5 Elective _____ 4/5 Elective _____ 4/5		
<b>Seniors BB (formerly Division N)</b>	EECE 4572 Communication Systems 4 Elective _____ 4/5 Elective _____ 4/5 Elective _____ 4/5	EECE 4792 Capstone Design 2 4 Elective _____ 4/5 Elective _____ 4/5 Elective _____ 4/5		

**Graduation Requirements: Class of 2010 – Bachelor of Science in Electrical Engineering.**

**138 Semester Hours.**

**Technical elective requirement: 4 EECE technical electives:** Any ECE or EECE 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.

**General elective requirement: 4 general electives:** General electives may be any 4 SH course that is not preparatory or repetitive to a course already taken. (For example: Engineering technology courses are not counted as general electives.) General electives may be used to fulfill minor requirements. Please check with the departmental academic advisor if you have any questions on this requirement.

**Departmental Academic Advisor:** (all upper-class students)

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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>

