

**INTEGRATED DUAL MAJOR
ELECTRICAL AND COMPUTER ENGINEERING
CURRICULUM OUTLINE
Classes of 2010**

	Fall Semester	Spring Semester	Summer I	Summer II
Freshman	MTHU241 Calculus I 4 CHMU151 Chemistry 4 Elective _____ 4/5 GEU110 Engineering 1 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 2 4	VACATION	VACATION
Sophomores AA (formerly Division A)	MTHU343 Diff. Eqs./Lin. Alg 4 PHYU155 Physics 2 4 PHYU156 Physics Lab 2 1 CSU215 Algorithms & DS 4 CSU216 Lab for CSU215 1 ECEU400 Linear Circuits 4 ECEU401 Intro to ECE lab 1	MTHU230 Discrete Math 4 MTHU341 Calculus 3 4 ECEU322 Digital Logic Design 4 ECEU323 Lab for ECEU322 1 ECEU402 Electronics 4 ECEU403 Lab for ECEU402 1 ECEU300 Engrg. Coop Education 1	VACATION	COOP
Sophomores BB (formerly Division N)	MTHU343 Diff. Eqs./Lin. Alg 4 PHYU155 Physics 2 4 PHYU156 Physics Lab 2 1 CSU215 Algorithms & DS 4 CSU216 Lab for CSU215 1 ECEU400 Linear Circuits 4 ECEU401 Intro to ECE lab 1 ECEU300 Engrg. Coop Education 1	COOP	COOP	VACATION
Middlers AA (formerly Division A)	COOP	ECEU326 Optimization Methods 4 ECEU440 Electromagnetic Fields 4 ECEU441 Lab for ECEU440 1 ECEU464 Linear Systems 4 Elective _____ 4/5	Elective _____ 4/5 Elective _____ 4/5	COOP
Middlers BB (formerly Division N)	MTHU230 Discrete Math 4 MTHU341 Calculus 3 4 ECEU322 Digital Logic Design 4 ECEU323 Lab for ECEU322 1 ECEU402 Electronics 4 ECEU403 Lab for ECEU402 1	COOP	COOP	Elective _____ 4/5 Elective _____ 4/5
Juniors AA (formerly Division A)	COOP	ENGU302 Adv. Writing for Prof. 4 ECEU324 Computer Architecture 4 ECEU468 Noise & Stoch. Proc. 4 Elective _____ 4/5 ECEU500 Prof. Issues in Engrg. 1	ECEU790 Capstone 1 4 ECEU572 Comm. Systems 4	COOP
Juniors BB (formerly Division N)	ECEU326 Optimization Methods 4 ECEU440 Electromagnetic Fields 4 ECEU441 Lab for ECEU440 1 ECEU464 Linear Systems 4 Elective _____ 4/5 ECEU500 Prof. Issues in Engrg. 1	COOP	COOP	ECEU790 Capstone 1 4 ECEU468 Noise & Stoch. Proc. 4
Seniors AA (formerly Division A)	COOP	EECE 4792 Capstone Design 2 4 EECE 4628 Computer Networks 4 EECE 4629 Internetworking Lab 1 Elective _____ 4/5 Elective _____ 4/5		
Seniors BB (formerly Division N)	ENGL 3302 Adv. Writing for Prof. 4 EECE 3324 Computer Architecture 4 EECE 4572 Communication Systems 4 Elective _____ 4/5	EECE 4792 Capstone Design 2 4 EECE 4628 Computer Networks 4 EECE 4629 Internetworking Lab 1 Elective _____ 4/5 Elective _____ 4/5		

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

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Graduation Requirements: Class of 2010 - INTEGRATED DUAL MAJOR
Bachelor of Science in Electrical Engineering OR Bachelor of Science in Computer Engineering.
139 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. One CS course from the following approved list may be taken as a technical elective: CSU370/CS 3500, CSU390/CS 3800, CSU430/CS 3200, CSU480/CS 3600, CSU520/CS 4100, CSU540/CS 4300, CSU645/CS 4740, CSU660/CS 4400, CSU665/CS 4410, CSU675/CS 4550, CSU680/CS 4600.

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 220 Snell or 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>