

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
CURRICULUM OUTLINE
Class of 2010**

	Fall Semester	Spring Semester	Summer I	Summer II
Freshman	MTHU241 Calculus 1 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 Elective _____ 4/5	MTHU230 Discrete Math 4 ECEU322 Digital Logic Design 4 ECEU323 Lab for ECEU322 1 ECEU400 Linear Circuit 4 ECEU401 Intro to ECE lab 1 Elective _____ 4/5 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 Elective _____ 4/5 ECEU300 Engrg. Coop Education 1	COOP	COOP	VACATION
Middlers AA (formerly Division A)	COOP	ECEU324 Computer Architecture 4 ECEU326 Optimization Methods 4 ECEU402 Electronics 4 ECEU403 Lab for ECEU402 1 Elective _____ 4/5	MTHU481 Probability 4 Elective _____ 4/5	COOP
Middlers BB (formerly Division N)	MTHU230 Discrete Math 4 ECEU322 Digital Logic Design 4 ECEU323 Lab for ECEU322 1 ECEU400 Linear Circuits 4 ECEU401 Intro to ECE lab 1 Elective _____ 4/5	COOP	COOP	Elective _____ 4/5 Elective _____ 4/5
Juniors AA (formerly Division A)	COOP	ENGU302 Adv. Writing for Prof. 4 ECEU628 Computer Networks 4 ECEU629 Internetworking Lab 1 Elective _____ 4/5 Elective _____ 4/5 ECEU500 Prof. Issues in Engrg. 1	ECEU790 Capstone 1 4 Elective _____ 4/5	COOP
Juniors BB (formerly Division N)	ECEU324 Computer Architecture 4 ECEU326 Optimization Methods 4 ECEU402 Electronics 4 ECEU403 Lab for ECEU402 1 Elective _____ 4/5 ECEU500 Prof. Issues in Engrg. 1	COOP	COOP	ECEU790 Capstone 1 4 MTHU481 Probability 4
Seniors AA (formerly Division A)	COOP	EECE 4792 Capstone Design 2 4 Elective _____ 4/5 Elective _____ 4/5 Elective _____ 4/5		
Seniors BB (formerly Division N)	ENGL 3302 Adv. Writing for Prof. 4 EECE 4628 Computer Networks 4 EECE 4629 Internetworking Lab 1 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 Computer Engineering
138 Semester Hours.

Technical elective requirement: 4 EECE technical electives: Any ECE or EECE course that is not required by 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 elective, 1 social/cultural elective, 1 social science or humanities elective. Electives must be selected from approved lists provided in 220 Snell or 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>