

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2012,2013,2014,2015,2016**

	FALL	SPRING	SUMMER 1	SUMMER 2
Year 1	MATH1341 Calculus 1 for Engrs. 4 CHEM1151 General Chem. for Engrs. 4 CHEM1153 Recitation for CHEM1151 0 GE1000 Intro to Eng'g 1 GE1110 Eng'g Design 4 NU Core Arts Lvl 1 OR Hum. Lvl 1 4	MATH1342 Calculus 2 for Engrs. 4 PHYS1151 Physics 1 for Engrs. 4 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 0 GE1111 Eng'g Prob. Solv. & Comp. 4 ENGL1111 College Writing 4	Vacation	Vacation
Year 2 AA	MATH2341 Diff. Eq./Lin. Alg. 4 PHYS1155 Physics 2 for Engrs. 4 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 0 CS1500 Algorithms & DS 4 CS1501 Lab for CS1500 1 NU Core Social Science Lvl. 1 4	MATH2310 Discrete Math 4 EECE2000 Intro to Eng'g Coop 1 EECE2322 Digital Logic Design 4 EECE2323 Lab for EECE2322 1 EECE2410 Circuits 4 EECE2411 Intro to ECE Lab 1 Elective General Elective 1 4	Vacation	Co-op
Year 2 BB	MATH2341 Diff. Eq./Lin. Alg. 4 PHYS1155 Physics 2 for Engrs. 4 PHYS1156 Physics Lab 2 1 PHYS1157 ILS for PHYS1155 0 CS1500 Algorithms & DS 4 CS1501 Lab for CS1500 1 EECE2000 Intro to Eng'g. Coop 1 NU Core Social Science Lvl. 1 4	Co-op	Co-op	Vacation
Year 3 AA	Co-op	EECE2412 Electronics 1 4 EECE2413 Lab for EECE2412 1 EECE3324 Computer Architecture 4 EECE3326 Optimization Methods 4 Elective General Elective 2 4	MATH3081 Probability 4 Elective General 4 Elective 3	Co-op
Year 3 BB	MATH2310 Discrete Math 4 EECE2322 Digital Logic Design 4 EECE2323 Lab for EECE2322 1 EECE2410 Circuits 4 EECE2411 Intro to ECE Lab 1 Elective General Elective 1 4	Co-op	Co-op	Elective General Elective 2 4 Elective EECE Technial Elective 1 4
Year 4 AA	Co-op	*ENGL3302 Adv. Writing for Prof. 4 EECE3000 Prof. Issues in Eng'g 1 EECE4628 Computer Networks 4 EECE4629 Internetworkg. Des. Lab 1 Elective EECE Technical Elective 1 4 Elective General Elective 4 4	EECE4790 Capstone 1 4 Elective EECE Technical 4 Elective 2	Co-op
Year 4 BB	EECE2412 Electronics 1 4 EECE2413 Lab for EECE2412 1 EECE3000 Prof. Issues in Eng'g. 1 EECE3324 Computer Architecture 4 EECE3326 Optimization Methods 4 Elective General Elective 3 4	Co-op	Co-op	EECE4790 Capstone 1 4 MATH3081 Probability 4
Year 5 AA	Co-op	EECE4792 Capstone Design 2 4 Elective General Elective 5 4 Elective EECE Technical Elective 3 4 Elective EECE Technical Elective 4 4		
Year 5 BB	*ENGL3302 Adv. Writing for Prof. 4 EECE4628 Computer Networks 4 EECE4629 Internetworking Lab 1 Elective General Elective 4 4 Elective EECE Technical Elective 2 4	EECE4792 Capstone Design 2 4 Elective General Elective 5 4 Elective EECE Technical Elective 3 4 Elective EECE Technical Elective 4 4		

Revised 6/2011

*ENGL3301 is an acceptable substitution for engineering majors.

NU Core Elective Requirements: 2 required- (one Arts Lvl 1 OR one Humanities Lvl 1) AND (one Social Science Lvl 1)

Technical Elective Requirements: 4 required - Any 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: (CS3200, CS3600, CS3800, CS4100, CS4400, CS4410, CS4550, CS4600, CS4740)

List of EECE technical electives: (EECE3392, EECE3410 TO EECE3468, EECE4512 TO EECE4626, EECE4630 TO EECE4698, EECE5000 TO EECE5999, ENGR5670)

General Elective Requirements: 5 required - Any 4 SH course that is not remedial or repetitive.

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