

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**  
**MASTER OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING**  
**BS/MS CURRICULUM OUTLINE - CLASS OF 2012,2013,2014,2015,2016**

	FALL		SPRING		SUMMER 1		SUMMER 2		
<b>Freshman Year 1</b>	MATH1341	Calculus 1 for Engrs.	4	MATH1342	Calculus 2 for Engrs.	4	Vacation	Vacation	
	CHEM1151	General Chem for Engrs.	4	PHYS1151	Physics 1 for Engrs.	4			
	CHEM1153	Recitation for CHEM1151	0	PHYS1152	Physics 1 Lab	1			
	GE1110	Eng'g. Design	4	PHYS1153	ILS for PHYS1151	0			
	GE1000	Intro to Eng'g	1	GE1111	Eng'g. Prob. Solv. & Comp.	4			
	NU Core	Arts Lvl. 1 OR Hum. Lvl. 1	4	ENGL1111	College Writing	4			
<b>Year 2 BB</b>	MATH2341	Diff. Eq./Lin. Alg.	4	Co-op	Co-op	Co-op	NU Core	Social Science Lvl. 1	4
	PHYS1155	Physics 2 for Engrs.	4				Elective	General Elective 1	4
	PHYS1156	Physics 2 Lab	1						
	PHYS1157	ILS for PHYS1155	0						
	CS1500	Algorithms & DS	4						
	CS1501	Lab for CS1500	1						
	EECE2000	Intro to Eng'g. Coop	1						
	EECE2410	Circuits	4						
EECE2411	Intro to ECE Lab	1							
<b>Year 3 BB</b>	MATH2321	Calculus 3 for Engrs.	4	Co-op	Co-op	Co-op	EECE3468	Noise & Stoch. Proc.	4
	EECE2322	Digital Logic Design	4				Elective	General Elective 2	4
	EECE2323	Lab for EECE2322	1						
	EECE2412	Electronics 1	4						
	EECE2413	Lab for EECE2412	1						
	EECE3464	Linear Systems	4						
<b>Year 4 BB</b>	EECE3000	Prof. Issues in Eng'g.	1	EECE3440	Emag Fields and Waves	4	Vacation	Vacation	
	EECE3410	Electronics 2	4	EECE3441	Lab for EECE3440	1			
	EECE4572	Communication Systems	4	Elective	General Elective 3	4			
	EECExxxx	Graduate Course	4	EECExxxx	Graduate Course	4			
	EECExxxx	Graduate Course	4	EECExxxx	Graduate Course	4			
	EECExxxx	Graduate Course	4	EECExxxx	Graduate Course	4			
<b>Year 5 BB</b>	Elective	EECE Technical Elective 2	4	EECE4792	Capstone Design 2	4	Vacation	Vacation	
	EECExxxx	Graduate Course	4	Elective	EECE Technical Elective 3	4			
	EECExxxx	Graduate Course	4	EECExxxx	Graduate Course	4			
	EECExxxx	Graduate Course	4	EECExxxx	Graduate Course	4			
	*ENGL 3302	Adv. Writing for Prof.	4	EECExxxx	Graduate Course	4			

\*ENGL3301 is an acceptable substitution for engineering majors.

Revised 6/2011

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

**Technical Elective Requirements: 3 required - Any EECE course that is not required for your major program of study will satisfy this requirement.**

**List of EECE Technical Electives: EECE3324 TO EECE3392, EECE4512 TO EECE4538, EECE4574 TO EECE4698, EECE5000 TO EECE5999, ENGR5670**

**General Elective Requirements: 3 required - Any 4 SH course that is not remedial or repetitive.**

**EECE Graduate Electives: 8 required (must include 2 core courses). Full program must be approved by a graduate advisor.**

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