

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING - 4 YEAR 2 COOP OPTION**  
**CURRICULUM OUTLINE - CLASS OF 2019**

*Sample Only – Actual Curriculum Sequence May Deviate from Sample*

	FALL		SPRING		SUMMER 1		SUMMER 2	
<b>Year 1</b>	<a href="#">MATH1341</a> Calculus 1 for Engrs. 4 <a href="#">CHEM1151</a> General Chem for Engrs. 4 <a href="#">CHEM1153</a> Recitation for CHEM1151 0 <a href="#">GE1000</a> Intro to Eng'g. 1 <a href="#">GE1110</a> Eng'g. Design 4 <a href="#">NU Core</a> Arts Lvl. 1 OR Hum. Lvl. 1 4		<a href="#">MATH1342</a> Calculus 2 for Engrs. 4 <a href="#">PHYS1151</a> Physics 1 for Engrs. 3 <a href="#">PHYS1152</a> Physics 1 Lab 1 <a href="#">PHYS1153</a> ILS for PHYS1151 1 <a href="#">GE1111</a> Eng'g. Prob. Solv. & Comp. 4 <a href="#">ENGW1111</a> College Writing 4		Vacation		Vacation	
<b>Year 2 MC</b>	<a href="#">MATH2341</a> Diff. Eq./Lin. Alg. 4 <a href="#">PHYS1155</a> Physics 2 for Engrs. 3 <a href="#">PHYS1156</a> Physics 2 Lab 1 <a href="#">PHYS1157</a> ILS for PHYS1155 1 <a href="#">EECE2150</a> Circuits/Signals: Biomed App 4 <a href="#">EECE2151</a> Lab for EECE2150 1 <a href="#">NU Core</a> Social Science Lvl. 1 4		<a href="#">MATH2321</a> Calculus 3 for Engrs. 4 <a href="#">EECE2000</a> Intro to Eng'g. Coop 1 <a href="#">EECE2160</a> Embedded Design: Enabling Robotic 3 <a href="#">EECE2161</a> Lab for EECE2160 1 EECExxxx EE Fundamentals 4/5 EECExxxx EE Fundamentals 4/5		Elective General Elective 1 4 Elective General Elective 2 4	Co-op		
<b>Year 2 MD</b>	<a href="#">MATH2341</a> Diff. Eq./Lin. Alg. 4 <a href="#">PHYS1155</a> Physics 2 for Engrs. 3 <a href="#">PHYS1156</a> Physics 2 Lab 1 <a href="#">PHYS1157</a> ILS for PHYS1155 1 <a href="#">EECE2150</a> Circuits/Signals: Biomed App 4 <a href="#">EECE2151</a> Lab for EECE2150 1 <a href="#">EECE2000</a> Intro to Eng'g Coop 1 <a href="#">NU Core</a> Social Science Lvl 1 4		Co-op		Co-op		Elective General Elective 1 4 Elective General Elective 2 4	
<b>Year 3 MC</b>	Co-op		<a href="#">EECE3000</a> Prof. Issues in Eng'g. 1 EECExxxx EE Fundamentals 4/5 EECExxxx CE Fundamentals 4/5 <a href="#">EECE3468</a> Noise & Stoch. Proc. 4 Elective EECE Tech Elective 1 4		Elective EECE Tech Elective 2 4 <a href="#">EECE4790</a> Capstone 1 4	Co-op		
<b>Year 3 MD</b>	<a href="#">MATH2321</a> Calculus 3 for Engrs. 4 <a href="#">EECE2160</a> Embedded Design: Enabling Robotic 3 <a href="#">EECE2161</a> Lab for EECE2160 1 EECExxxx EE Fundamentals 4/5 EECExxxx EE Fundamentals 4/5 <a href="#">EECE3000</a> Prof. Issues in Eng'g. 1		Co-op		Co-op		Elective EECE Tech Elective 1 4 <a href="#">EECE4790</a> Capstone 1 4	
<b>Year 4 MC</b>	Co-op		<a href="#">EECE4792</a> Capstone Design 2 4 Elective EECE Tech Elective 3 4 Elective EECE Tech Elective 4 4 Elective General Elective 3 4		<b>Must meet with academic advisor to determine the scheduling of these courses:</b>			
<b>Year 4 MD</b>	<a href="#">EECE4792</a> Capstone Design 2 4 EECExxxx EE Fundamentals 4/5 EECExxxx CE Fundamentals 4/5 <a href="#">EECE3468</a> Noise & Stoch. Proc. 4		Elective EECE Tech Elective 2 4 Elective EECE Tech Elective 3 4 Elective EECE Tech Elective 4 4 Elective General Elective 3 4		Elective General Elective 4 4 Elective General Elective 5 4 * <a href="#">ENGW3302</a> Adv. Writing for Prof. 4			

Revised March/2018

The Capstone Design Courses are taken as follows: (EECE4790 - Summer 1 and EECE4792 - Spring) OR (EECE4790 - Summer 2 and EECE4792 - Fall)

\* [ENGW3315](#) 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)

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

3 Required EE Fundamentals: EECE2412/2413 - Fundamentals Electronics 1 & lab AND EECE2520 - Fundamentals Linear Systems AND EECE 2530/2531 - Fundamentals Electromagnetics & lab

1 Required CE Fundamental: EECE2322/2323 - Fundamentals Digital Design & Lab OR EECE2540 - Fundamentals Networks OR EECE2560 - Fundamentals Algorithms

(CE Fundamentals not taken to meet the above requirement may also be taken as a technical elective)

Technical Elective Requirements: 4 EECE technical electives

EECE2322, (EECE2540-EECE2750), EECE3154, (EECE3324-EECE3410), (EECE4512-EECE4698), (EECE4991-EECE4993), (EECE5515-EECE5698), GE4608, ENGR5670

Please check with your advisor when taking a general elective in overlapping disciplines:

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Last Name M-Z: Nicole Diamond - n.diamond@northeastern.edu

The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.