

## PLUS ONE CURRICULUM OUTLINE

Sample Only – Actual Curriculum Sequence May Deviate from Sample

### BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING - 4 YEAR 2 COOP OPTION - CLASS OF 2021

	FALL			SPRING			SUMMER 1			SUMMER 2		
Year 1	<a href="#">MATH1341</a>	Calculus 1 for Engrs.	4	<a href="#">MATH1342</a>	Calculus 2 for Engrs.	4	Elective	General Elective #2	4	Vacation		
	<a href="#">CHEM1151</a>	General Chem for Engrs.	4	<a href="#">PHYS1151</a>	Physics 1 for Engrs.	3	Elective	General Elective #3	4			
	<a href="#">CHEM1153</a>	Recitation for CHEM1151	0	<a href="#">PHYS1152</a>	Physics 1 Lab	1						
	<a href="#">GE1000</a>	Intro to Eng'g.	1	<a href="#">PHYS1153</a>	ILS for PHYS1151	1						
	<a href="#">GE1501</a>	Cornerstone of Engineering 1	4	<a href="#">GE1502</a>	Cornerstone of Engineering 2	4						
	<a href="#">ENGW1111</a>	College Writing	4	Elective	General Elective #1	4						
Year 2 MC	<a href="#">MATH2341</a>	Diff. Eq./Lin. Alg.	4	<a href="#">MATH2321</a>	Calculus 3 for Engrs.	4	Elective	General Elective #5	4	Co-op		
	<a href="#">PHYS1155</a>	Physics 2 for Engrs.	3	<a href="#">EECE2000</a>	Intro to Eng'g. Coop	1	Elective	EECE Tech Elective 1	4			
	<a href="#">PHYS1156</a>	Physics 2 Lab	1	<a href="#">EECE2160</a>	Embedded Design: Enabling Robotics	4						
	<a href="#">PHYS1157</a>	ILS for PHYS1155	1	EECExxxx	EE Fundamentals	4/5						
	<a href="#">EECE2150</a>	Circuits/Signals: Biomed App	5	EECExxxx	EE Fundamentals	4/5						
	Elective	General Elective #4	4									
Year 2 MD	<a href="#">MATH2341</a>	Diff. Eq./Lin. Alg.	4	Co-op			Co-op			Elective	General Elective #4	4
	<a href="#">PHYS1155</a>	Physics 2 for Engrs.	3							Elective	General Elective #5	4
	<a href="#">PHYS1156</a>	Physics 2 Lab	1									
	<a href="#">PHYS1157</a>	ILS for PHYS1155	1									
	<a href="#">EECE2150</a>	Circuits/Signals: Biomed App	5									
	<a href="#">EECE2000</a>	Intro to Eng'g Coop	1									
	<a href="#">MATH2321</a>	Calculus 3 for Engrs.	4									
Year 3 MC	<a href="#">ENGW3302</a>	Adv Writing in the Tech Prof <i>(to be taken online)</i>	4	<a href="#">EECE3000</a>	Prof. Issues in Eng'g.	1	<a href="#">EECE4790</a>	Capstone 1	4	Co-op		
		Co-op		EECExxxx	EE Fundamentals	4/5	Elective	EECE Tech Elective 2	4			
				EECExxxx	CE Fundamentals	4/5						
				<a href="#">EECE3468</a>	Noise & Stoch. Proc. Graduate Course #1	4 4						
Year 3 MD	EECExxxx	EE Fundamentals	4/5	<a href="#">ENGW3302</a>	Adv Writing in the Tech Prof <i>(to be taken online)</i>	4	Co-op			Elective	EECE Tech Elective 1	4
	<a href="#">EECE2160</a>	Embedded Design: Enabling Robotics	4							<a href="#">EECE4790</a>	Capstone 1	4
	EECExxxx	EE Fundamentals	4/5									
	EECExxxx	EE Fundamentals	4/5									
	<a href="#">EECE3000</a>	Prof. Issues in Eng'g.	1									
Year 4 MC	Co-op			<a href="#">EECE4792</a>	Capstone Design 2	4						
				Elective	EECE Tech Elective 3	4						
				Elective	EECE Tech Elective 4	4						
					Graduate Course #2	4						
Year 4 MD	<a href="#">EECE4792</a>	Capstone Design 2	4	Elective	EECE Tech Elective 2	4						
	EECExxxx	CE Fundamentals	4/5	Elective	EECE Tech Elective 3	4						
	<a href="#">EECE3468</a>	Noise & Stoch. Proc.	4	Elective	EECE Tech Elective 4	4						
		Graduate Course #1	4		Graduate Course #2	4						

Revised 12/6/17

\* [ENGW3315](#) is an acceptable substitution for engineering majors.

\*\*Effective Summer 1, 2017: EECE2150 & EECE2151 = EECE2150 and EECE2160 & 2161 = EECE2160. The labs are no longer offered as separate course numbers.

**NUpath Requirements through General Electives-** NUpath requirements, Interpreting Culture (IC), Societies and Institutions (SI) and Differences and Diversity (DD) are not explicitly satisfied by required engineering courses. Students are responsible for satisfying these requirements, and if these are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.

**5 Required General Electives**

**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), EECE4993, (EECE5576-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.

### MASTER OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING CURRICULUM

	FALL		SPRING	
PlusOne Year	Graduate Course #3	4	Graduate Course #6	4
	Graduate Course #4	4	Graduate Course #7	4
	Graduate Course #5	4	Graduate Course #8	4

For more information about the PlusOne program or for assistance with applying to the program, please contact the Graduate Student Services Team at support@husky.desk-mail.com.