

## PLUS ONE CURRICULUM OUTLINE

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

### BACHELOR OF SCIENCE IN COMPUTER 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="#">CS1800</a>	Discrete Structures	4	<a href="#">MATH3081</a>	Prob & Statistics	4	Co-op			
	<a href="#">PHYS1155</a>	Physics 2 for Engrs.	3	* <a href="#">CS1802</a>	Seminar for CS1800	1	Elective	General Elective #5	4				
	<a href="#">PHYS1156</a>	Physics 2 Lab	1	<a href="#">EECE2000</a>	Intro to Eng'g. Coop	1							
	<a href="#">PHYS1157</a>	ILS for PHYS1155	1	<a href="#">EECE2150</a>	Circuits/Signals: Biomed Apps.	5							
	<a href="#">EECE2160</a>	Embedded Design: Enabling Robotics	4	EECExxxx	CE Fundamentals	4/5							
	Elective	General Elective #4	4	EECExxxx	CE Fundamentals	4/5							
Year 2 MD	<a href="#">MATH2341</a>	Diff. Eq./Lin.Alg.	4	Co-op	Co-op	Co-op	Co-op	Co-op	<a href="#">MATH3081</a>	Prob & Statistics	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="#">EECE2160</a>	Embedded Design: Enabling Robotics	4										
	<a href="#">EECE2000</a>	Intro to Eng'g. Coop	1										
Year 3 MC	<a href="#">ENGW3302</a>	Adv Writing in the Tech Prof (to be taken online)	4	EECExxxx	CE Fundamentals	4/5	<a href="#">EECE4790</a>	Capstone 1	4	Co-op			
	Co-op			EECExxxx	EE Fundamentals	4/5	Elective	EECE Tech Elective 2	4				
				<a href="#">EECE3000</a>	Prof. Issues in Eng'g.	1							
				Elective	EECE Tech Elective 1	4							
				Graduate Course #1	4								
Year 3 MD	<a href="#">CS1800</a>	Discrete Structures	4	<a href="#">ENGW3302</a>	Adv Writing in the Tech Prof (to be taken online)	4	Co-op	Co-op	<a href="#">EECE4790</a>	Capstone 1	4		
	* <a href="#">CS1802</a>	Seminar for CS1800	1	Co-op	Co-op	Co-op			Co-op	Co-op	Elective	EECE Tech Elective 1	4
	<a href="#">EECE2150</a>	Circuits/Signals: Biomed Apps.	5										
	EECExxxx	CE Fundamentals	4/5										
	<a href="#">EECE3000</a>	Prof. Issues in Eng'g	1										
EECExxxx	CE Fundamentals	4/5											
Year 4 MC	Co-op			<a href="#">EECE4792</a>	Capstone Design 2	4	Co-op	Co-op	Co-op	Co-op	Co-op		
				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	Co-op	Co-op	Co-op	Co-op	Co-op		
	EECExxxx	CE Fundamentals	4/5	Elective	EECE Tech Elective 3	4							
	EECExxxx	EE Fundamentals	4/5	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.

\*[CS1802](#) effective fall 2017: both CS1801 and CS1802 will fulfill the necessary CS1800 recitation requirement 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 CE Fundamentals:** [EECE2322/2323](#): Fundamentals Digital Design & Lab **AND** [EECE2540](#) - Fundamentals Networks **AND** [EECE2560](#) - Fundamentals Algorithms

**1 Required EE Fundamentals:** [EECE2412/2413](#) - Fundamentals Electronics 1 & lab **OR** [EECE2520](#) - Fundamentals Linear Systems **OR** [EECE 2530/2531](#) - Fundamentals Electromagnetics & lab. (EE Fundamentals not taken to meet the above requirement may also be taken as a technical elective. )

**Technical Elective Requirements:** 4 EECE technical electives.

([EECE2412-2530](#)), [EECE2750](#), [EECE3154](#) ([EECE3324-EECE3468](#)), ([EECE4512-EECE4698](#)), [EECE4993](#), ([EECE5576-EECE5698](#)), [GE4608](#), [ENGR5670](#)

2 CS courses from the following approved list may be taken toward the EECE technical elective requirement:

Approved List: [CS3200](#), [CS3500](#), ([CS3540-CS3800](#)), ([CS4100-CS4650](#)), ([CS4740-4850](#))([CS5010-CS5610](#)), ([CS5650-CS5850](#)), ([IS4200- IS4700](#))

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

Last Name A-L: Ellen Zierk- e.zierk@northeastern.edu

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.