

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	MATH1341	Calculus 1 for Engrs.	4	MATH1342	Calculus 2 for Engrs.	4	Elective	General Elective #2	4	
	CHEM1151	General Chem for Engrs.	4	PHYS1151	Physics 1 for Engrs.	3	Elective	General Elective #3	4	
	CHEM1153	Recitation for CHEM1151	0	PHYS1152	Physics 1 Lab	1				
	GE1000	Intro to Eng'g.	1	PHYS1153	ILS for PHYS1151	1			Vacation	
	GE1501	Cornerstone of Engineering 1	4	GE1502	Cornerstone of Engineering 2	4				
	ENGW1111	College Writing	4	Elective	General Elective #1	4				
Year 2 MC	MATH2341	Diff. Eq./Lin. Alg.	4	MATH2321	Calculus 3 for Engrs.	4	Elective	General Elective #5	4	
	PHYS1155	Physics 2 for Engrs.	3	EECE2000	Intro to Eng'g. Coop	1	Elective	EECE Tech Elective 1	4	
	PHYS1156	Physics 2 Lab	1	EECE2160	Embedded Design: Enabling Robotics	4			Co-op	
	PHYS1157	ILS for PHYS1155	1	EECExxxx	EE Fundamentals	4/5				
	EECE2150	Circuits/Signals: Biomed App	5	EECExxxx	EE Fundamentals	4/5				
	Elective	General Elective #4	4							
Year 2 MD	MATH2341	Diff. Eq./Lin. Alg.	4					Elective	General Elective #4	4
	PHYS1155	Physics 2 for Engrs.	3					Elective	General Elective #5	4
	PHYS1156	Physics 2 Lab	1							
	PHYS1157	ILS for PHYS1155	1		Co-op			Co-op		
	EECE2150	Circuits/Signals: Biomed App	5							
	EECE2000	Intro to Eng'g Coop	1							
	MATH2321	Calculus 3 for Engrs.	4							
Year 3 MC	ENGW3302	Adv Writing in the Tech Prof <i>(to be taken online)</i>	4	EECE3000	Prof. Issues in Eng'g.	1	EECE4790	Capstone 1	4	
		Co-op		EECExxxx	EE Fundamentals	4/5	Elective	EECE Tech Elective 2	4	
				EECExxxx	CE Fundamentals	4/5			Co-op	
				EECE3468	Noise & Stoch. Proc.	4				
				EMGT5220	Engineering Project Management	4				
Year 3 MD	EECExxxx	EE Fundamentals	4/5	ENGW3302	Adv Writing in the Tech Prof <i>(to be taken online)</i>	4		Elective	EECE Tech Elective 1	4
	EECE2160	Embedded Design: Enabling Robotics	4					EECE4790	Capstone 1	4
	EECExxxx	EE Fundamentals	4/5		Co-op					
	EECExxxx	EE Fundamentals	4/5							
	EECE3000	Prof. Issues in Eng'g.	1							
Year 4 MC		Co-op		EECE4792	Capstone Design 2	4				
				Elective	EECE Tech Elective 3	4				
				Elective	EECE Tech Elective 4	4				
				EMGT6225	Economic Decision Making	4				
Year 4 MD	EECE4792	Capstone Design 2	4	Elective	EECE Tech Elective 2	4				
	EECExxxx	CE Fundamentals	4/5	Elective	EECE Tech Elective 3	4				
	EECE3468	Noise & Stoch. Proc.	4	Elective	EECE Tech Elective 4	4				
	EMGT5220	Engineering Project Management	4	EMGT6225	Economic Decision Making	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 ENGINEERING MANAGEMENT CURRICULUM

		FALL		SPRING	
PlusOne Year	IE6200	Engr. Probability & Statistics	4	Graduate Course #6	4
	OR6205	Deterministic Op Research	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.