

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 2022

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

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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.