BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2021, 2022, 2023, 2024
Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL			SPRING			SUMMER 1			SUMMER 2		
Year 1	MATH1341	Calculus 1 for Engrs.	4	MATH1342	Calculus 2 for Engrs.	4	Vacation			Vacation		
	CHEM1151	General Chem. for Engrs.	4	PHYS1151	Physics 1 for Engrs.	3						
	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	4						
Year 2 AA	MATH2341	Diff. Eq./Lin. Alg.	4	CS1800	Discrete Structures	4	Vacation			Co-op		
	PHYS1155	Physics 2 for Engrs.	3	CS1802	Recitation for CS1800	1						
	PHYS1156	Physics 2 Lab	1	ENCP2000	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	Elective	General Elective	4						
Year 2 BB	MATH2341	Diff. Eq./Lin. Alg.	4	Co-op			Co-op			Vacation		
	PHYS1155	Physics 2 for Engrs.	3									
	PHYS1156	Physics 2 Lab	1									
	PHYS1157	ILS for PHYS1155	1									
	EECE2160	Embedded Design: Enabling Robotics	4									
	ENCP2000	Intro to Eng'g. Coop	1									
	Elective	General Elective	4									
Year 3 AA	Co-op			EECExxxx	CE Fundamentals	4/5	*ENGW3302	Adv. Writing for Prof.	4	Co-op		
				EECExxxx	EE Fundamentals	4/5	Elective	General Elective	4			
				EECExxxx	CE Fundamentals	4/5						
				Elective	General Elective	4						
Year 3 BB	CS1800	Discrete Structures	4	Co-op			Co-op			*ENGW3302	Adv. Writing for Prof.	4
	CS1802	Recitation for CS1800	1							Elective	General Elective	4
	EECE2150	Circuits/Signals: Biomed Apps	5									
	EECExxxx	CE Fundamentals	4/5									
	Elective	General Elective	4									
Year 4 AA	Co-op			MATH3081	Probability	4	EECE4790	Capstone 1	4	Co-op		
				ENCP3000	Prof. Issues in Eng'g.	1	Elective	EECE Tech Elective 3	4			
				Elective	EECE Tech Elective 1	4						
				Elective	EECE Tech Elective 2	4						
				Elective	General Elective	4						
Year 4 BB	EECExxxx	CE Fundamentals	4/5	Co-op			Co-op			EECE4790	Capstone 1	4
	EECExxxx	EE Fundamentals	4/5							Elective	EECE Tech Elective 1	4
	EECExxxx	CE Fundamentals	4/5									
	Elective	General Elective	4									
	ENCP3000	Prof. Issues in Eng'g.	1									
Year 5 AA	Co-op			EECE4792	Capstone Design 2	4						
				Elective	EECE Technical Elective 4	4						
				Elective	General Elective	4						
Year 5 BB	EECE4792	Capstone Design 2	4	Elective	EECE Tech Elective 3	4						
	MATH3081	Probability	4	Elective	EECE Tech Elective 4	4						
	EECExxxx	EECE Tech Elective 2	4	Elective	General Elective	4						
	Elective	General Elective	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.**

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.

7 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-EECE4698), (EECE4991-EECE4993), (EECE5115-EECE5698), GE4608, ENGR5670
 2 CS courses from the following approved list may be taken toward the EECE technical elective requirement:
 Approved List: CY2550, (CS3200-CS3500), (CS3540-CS3800), (CS4100-CY4770), CS4850, (IS4200- IS4700)
Note: AP credit for MATH2280 will substitute for MATH3081 requirement.
Please check with your advisor when taking a general elective in overlapping disciplines:
Find your Academic Advisor

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