BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING OR BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
COMBINED MAJOR - ELECTRICAL AND 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 CHEM1151 General Chem. for Engrs. 4 CHEM1153 Recitation for CHEM1151 0 GE1000 Intro to Eng'g. 1 GE1501 Cornerstone of Engineering 1 4 ENGW1111 College Writing 4	MATH1342 Calculus 2 for Engrs. 4 PHYS1151 Physics 1 for Engrs. 3 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 1 GE1502 Cornerstone of Engineering 2 4 Elective General Elective 4	Vacation	Vacation
Year 2 AA	MATH2341 Diff. Eq./Lin. Alg 4 PHYS1155 Physics 2 for Engrs. 3 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 1 *EECE21x0 EECE2150 OR EECE2160 4/5 Elective General Elective 4	CS1800 Discrete Structures 4 CS1802 Recitation for CS1800 1 MATH2321 Calculus 3 for Engrs. 4 ENCP2000 Intro to Eng'g. Coop 1 *EECE21x0 EECE2150 OR EECE2160 4/5 EECExxxx EE or CE Fundamentals 4/5	Vacation	Co-op
Year 2 BB	MATH2341 Diff. Eq./Lin. Alg 4 PHYS1155 Physics 2 for Engrs. 3 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 1 *EECE21x0 EECE2150 OR EECE2160 4/5 Elective General Elective 4 ENCP2000 Intro to Eng'g. Coop 1	Co-op	Co-op	Vacation
Year 3 AA	Co-op	EECExxxx EE or CE Fundamentals 4/5 EECExxxx EE or CE Fundamentals 4/5 EECExxxx EE or CE Fundamentals 4/5 EECExxxx EE or CE Fundamentals 4/5	Elective General Elective 4 *ENGW3302 Adv. Writing for Prof. 4	Co-op
Year 3 BB	CS1800 Discrete Structures 4 CS1802 Recitation for CS1800 1 MATH2321 Calculus 3 for Engrs. 4 *EECE21x0 EECE2150 OR EECE2160 4/5 EECExxxx EE or CE Fundamentals 4/5	Co-op	Co-op	Elective General Elective 4 *ENGW3302 Adv. Writing for Prof. 4
Year 4 AA	Co-op	ENCP3000 Prof. Issues in Eng'g. 1 EECExxxx EE or CE Fundamentals 4/5 Elective EECE Tech Elective 1 4 Elective EECE Tech Elective 2 4 EECE3468 Noise & Stoch. Proc. 4	EECE4790 Capstone 1 4 Elective EECE Tech Elective 3 4	Co-op
Year 4 BB	EECExxxx EE or CE Fundamentals 4/5 EECExxxx EE or CE Fundamentals 4/5 EECExxxx EE or CE Fundamentals 4/5 EECExxxx EE or CE Fundamentals 4/5 ENCP3000 Prof. Issues in Eng'g. 1	Co-op	Co-op	Elective EECE Tech Elect. 1 4 EECE4790 Capstone 1 4
Year 5 AA	Co-op	EECE4792 Capstone Design 2 4 Elective EECE Tech Elective 4 4 Elective General Elective 4		
Year 5 BB	EECE4792 Capstone Design 2 4 EECExxxx EE or CE Fundamentals 4/5 Elective EECE Tech Elective 2 4 EECE3468 Noise & Stoch. Proc. 4	Elective EECE Tech Elective 3 4 Elective EECE Tech Elective 4 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.

4 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.
3 Required CE Fundamental: EECE2322/2323 - Fundamentals Digital Design & Lab **AND** EECE2540 - Fundamentals Networks **AND** EECE2560 - Fundamentals Algorithms

Technical Elective Requirements: 4 EECE technical electives:
 EECE2750, EECE3154, (EECE3324-EECE3410), (EECE4512-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)

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.