### BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING - 4 YEAR 2 COOP OPTION

**CURRICULUM OUTLINE - CLASS OF 2020, 2021, 2022, 2023**

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

#### FALL | SPRING | SUMMER 1 | SUMMER 2
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**Year 1**
MATH1341 Calculus 1 for Engrs. | MATH2341 Diff. Eq./Lin. Alg. | Elective | General Elective
CHEM1151 General Chem for Engrs. | PHYS1151 Physics 1 for Engrs. | Elective | General Elective
CHEM1153 Recitation for CHEM1151 | PHYS1152 Physics 1 Lab | Elective | General Elective
ENGR1000 Intro to Eng'g. | PHYS1153 ILS for PHYS1151 | Elective | General Elective
ENGR1501 Cornerstone of Engineering 1 | EECE2150 Embedded Design: Enabling Robotic | Elective | General Elective
ENGR1111 College Writing | ECEE3160 EE Fundamentals | Co-op |

**Year 2**
MC
MATH2341 Calculus 2 for Engrs. | MATH2321 Calculus 3 for Engrs. | Elective | General Elective
PHYS1151 Physics 2 for Engrs. | PHYS2200 Intro to Eng'g. Coop | Elective | General Elective
PHYS1156 Physics 2 Lab | PHYS2160 Embedded Design: Enabling Robotic | Elective | General Elective
PHYS1157 ILS for PHYS1155 | ECEE2150 Circuits/Signals: Biomed App | Elective | General Elective
ECEE3150 Introduction to Eng'g. Coop | ECEE2150 Electronics | Elective |

**Year 2**
MD
MATH2341 Diff. Eq./Lin. Alg. | MATH2341 Diff. Eq./Lin. Alg. | Elective | General Elective
PHYS1155 Physics 2 for Engrs. | PHYS1155 Physics 2 for Engrs. | Elective | General Elective
PHYS1156 Physics 2 Lab | PHYS1156 Physics 2 Lab | Elective | General Elective
PHYS1157 ILS for PHYS1155 | PHIS2160 Embedded Design: Enabling Robotic | Elective | General Elective
ECEE2150 Circuits/Signals: Biomed App | ECEE2150 Electronics | Elective | General Elective
ECEE3150 Introduction to Eng'g. Coop | ECEE3150 Electronics | Elective | General Elective

**Year 3**
MC
MATH2341 Calculus 3 for Engrs. | MATH2341 Calculus 3 for Engrs. | Co-op |

**Year 3**
MD
ENGW3100 Adv Writing in the Tech Prof | MATH2341 Calculus 3 for Engrs. | Adv Writing in the Tech Prof |

**Year 4**
MC
ENGW3100 Adv Writing in the Tech Prof | ECEC4790 Capstone 1 | Co-op |

**Year 4**
MD
ECEC4790 Capstone 1 | ECEC4790 Capstone 1 | Co-op |

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The Capstone Design Courses are taken as follows: (ECEC4790 - Summer 1 and ECEC4792 - Spring) OR (ECEC4790 - Summer 2 and ECEC4792 - Fall)" /> "ECEC4790"

1 Required CE Fundamental:
- EECE2412/2413 - Fundamentals Electronics 1 & Lab
- EECE2540 - Fundamentals Networks
- EECE3150 - Fundamentals Linear Systems
- EECE3324 - Fundamentals Digital Design & Lab
- EECE4991-EECE4993, EECE5155-EECE5568, GE4608, ENGR5670

7 Required General Electives

- 4 EECE technical electives

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.

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Revised Month/2018