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

**CURRICULUM OUTLINE - CLASS OF 2019**

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

#### FALL | SPRING | SUMMER 1 | SUMMER 2
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**Year 1**
- **MC**
  - MATH1341: Calculus 1 for Engrs.
  - CHEM1151: General Chem for Engrs.
  - CHEM1153: Recitation for CHEM1151
  - GE0300: Intro to Eng’g.
  - GE0310: Eng’g. Design
  - NU Core: Arts Lvl 1 OR Hum. Lvl 1
- **MD**
  - MATH2341: Calculus 2 for Engrs.
  - PHYS1151: Physics 1 for Engrs.
  - PHYS1153: ILS for PHYS1151
  - PHYS1157: Circuits/Signals: Biomed App
  - PHYS1159: Lab for PHYS1150
  - NU Core: Social Science Lvl 1

**Year 2**
- **MC**
  - MATH2341: Diff. Eq./Lin. Alg.
  - PHYS1151: Physics 2 for Engrs.
  - PHYS1153: ILS for PHYS1155
  - PHYS1157: Circuits/Signals: Biomed App
  - PHYS2000: Intro to Eng’g Coop
  - NU Core: Social Science Lvl 1
- **MD**
  - MATH2341: Calculus 3 for Engrs.
  - PHYS1151: Physics 2 for Engrs.
  - PHYS1153: ILS for PHYS1155
  - PHYS1157: Circuits/Signals: Biomed App
  - PHYS2000: Intro to Eng’g Coop

**Year 3**
- **MC**
  - MATH2341: Calculus 3 for Engrs.
  - EECE2160: Embedded Design: Enabling Robot
  - EECE2161: Lab for EECE2150
  - EECE2300: Prof. Issues in Eng’g.
  - NU Core: Social Science Lvl 1
- **MD**
  - MATH2341: Calculus 3 for Engrs.
  - EECE2160: Embedded Design: Enabling Robot
  - EECE2161: Lab for EECE2150
  - EECE2300: Prof. Issues in Eng’g.
  - EECE3000: Prof. Issues in Eng’g.

**Year 4**
- **MC**
  - MATH2341: Calculus 3 for Engrs.
  - EECE2160: Embedded Design: Enabling Robot
  - EECE2161: Lab for EECE2150
  - EECE3000: Prof. Issues in Eng’g.
- **MD**
  - MATH2341: Calculus 3 for Engrs.
  - EECE2160: Embedded Design: Enabling Robot
  - EECE2161: Lab for EECE2150
  - EECE3000: Prof. Issues in Eng’g.

**Vacation**

**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.

**NU Core Elective Requirements:**
- **2 Required:** (one Arts Lvl 1 OR one Humanities Lvl 1) AND (one Social Science Lvl 1)
- **3 General Electives:**
  - Required: Any 3 SH course that is not remedial or repetitive.
  - **EE Fundamentals:** EECE2412/2413 - Fundamentals Electronics 1 & lab AND EECE2520 - Fundamentals Linear Systems AND ECE 2530/2531 - Fundamentals Electromagnetics & lab

**Capstone Courses**
- Must meet with academic advisor to determine the scheduling of these courses:

Please check with your advisor when taking a general elective in overlapping disciplines:

- Last Name A-I: Jose Roman - j.roman@northeastern.edu
- Last Name J-L: Krystal Ristaino - k.ristaino@northeastern.edu
- 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.