### Fall
- **MATH1341**: Calculus 1 for Engrs. 4
- **CHEM1151**: General Chem. for Engrs. 4
- **PHYS1161**: Physics 1 4
- **PHYS1162**: Physics 1 Lab 1
- **GE1300**: Cornerstone of Engineering 1 4

### Spring
- **MATH1342**: Calculus 2 for Engrs. 4
- **PHYS1165**: Physics 2 4
- **PHYS1166**: Physics 2 Lab 1
- **ENGW1111**: College Writing 4

### Summer 1
- **Vacation**

### Summer 2
- **Vacation**

### Year 2
#### AA
- **MATH2321**: Calculus 3 for Engrs. 4
- **PHYS2303**: Modern Physics 4
- **ECE1250**: Circuits/Signals: Boded Apps 5

#### Year 3
#### AA
- **Co-op**
- **ECE1250**: Elect. & Magnetism 4
- **ECE1252**: EE Fundamentals 4/5
- **ENGW1111**: Adv. Writing for Prof. 4

#### Year 4
#### AA
- **Co-op**
- **ECE1250**: Quantum Mechanics 4
- **ECE1252**: EE Fundamentals 4/5
- **ECE3468**: Noise & Stoch. Proc. 4

#### Year 5
#### AA
- **Co-op**
- **PHYSxxxx**: Adv. Physics Elective 4
- **Elective**: General Elective 4

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* ENGW3315 is an acceptable substitution for engineering majors.

**Effective Summer 1, 2017: ECE2150 & ECE2151 = ECE2150 and ECE2160 & 2161 = ECE2160. The labs are no longer offered as separate course numbers.

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.

3 Required General Electives


1 Required CE Fundamental: ECE2322/2323 - Fundamentals Digital Design & Lab OR ECE2540 - Fundamentals Networks OR ECE2560 - Fundamentals Algorithms (CE Fundamentals not taken to meet the above requirement may also be taken as a technical elective)

Technical Elective Requirements: 2 ECE technical electives ECE3412, (ECE2540-ECE2750), ECE3154 (ECE3324-ECE3410), (ECE4512-ECE4698), ECE4993, (ECE5576-ECE5698), GE4608, ENGR5670

Please check with your advisor when taking a general elective in overlapping disciplines:
- Last Name A-L: Ellen Zierk- e.zierk@northeastern.edu
- Last Name M-Z: Emily Ferraro- e.ferraro@northeastern.edu

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 07/13/2017

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**COMBINED MAJOR IN ELECTRICAL ENGINEERING AND PHYSICS**

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**

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

Sample Only – Actual Curriculum Sequence May Deviate from Sample