### Fall

- **MATH1341**: Calculus 1 for Engrs.
- **CHEM1151**: General Chem. for Engrs.
- **CHEM1153**: Recitation for CHEM1151
- **GE1000**: Intro to Eng's
- **GE1501**: Cornerstone of Engineering 1
- **ENGW1111**: College Writing

### Spring

- **MATH1342**: Calculus 2 for Engrs.
- **PHYS1151**: Physics 1 for Engrs.
- **PHYS1152**: Physics 1 Lab
- **PHYS1153**: ILS for PHYS1151
- **GE1502**: Cornerstone of Engineering 2
- **ENGW1112**: College Elective

### Summer 1

- **Vacation**

### Summer 2

- **Vacation**

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### Year 2 AA

- **MATH2161**: Diff. Eq./Lin. Alg.
- **PHYS1155**: Physics 2 for Engrs.
- **PHYS1156**: Physics 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2000**: Discrete Structures
- **CS2500**: Lab for CS2500
- **CS1800**: Discrete Structures
- **CS1802**: Recitation for CS1800

### Spring

- **EECE2100**: Intro to Eng's

### Year 2 BB

- **MATH2161**: Diff. Eq./Lin. Alg.
- **PHYS1155**: Physics 2 for Engrs.
- **PHYS1156**: Physics 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2100**: Discrete Structures
- **CS2500**: Lab for CS2500
- **CS1800**: Discrete Structures
- **CS1802**: Recitation for CS1800

### Spring

- **EECE2100**: Intro to Eng's

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### Year 3 AA

- **CS3000**: CE Fundamentals
- **EECE3000**: Computer Systems
- **CS6450**: Adv. Writing for Prof.

### Spring

- **CS6500**: Object Oriented Des.
- **CENGW3302**: Adv. Writing for Prof.

### Year 3 BB

- **CS2510**: Fundamentals Cs 2
- **CS2511**: Lab for CS2510
- **CS2800**: Logic and Computation
- **CS2801**: Lab for CS2800

### Spring

- **CS2802**: Recitation for CS1800
- **EECE4790**: Capstone Design 1

### Year 4 AA

- **EECE3000**: Prof. Issues in Engg
- **EECE3000**: EE Fundamentals
- **MATH3081**: Probability
- **EECE4790**: Capstone Design 1

### Spring

- **CS4500**: Software Development
- **CS4501**: Recitation for CS4500

### Year 4 BB

- **EECE4790**: Capstone Design 1

### Spring

- **EECE4790**: Capstone Elective
- **EECE4790**: Capstone Design 2

### Year 5 AA

- **Co-op**

### Spring

- **CS4500**: Software Development
- **CS4501**: Recitation for CS4500

### Year 5 BB

- **Co-op**

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 they are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.

2 Required General Electives

3 Required CE Fundamentals: EECE2322/2323 - Fundamentals Digital Design & Lab AND EECE2540 - Fundamentals Networks  and *CS3000*: Algorithms Data (formerly, CS4800)

1 Required EE Fundamentals: EECE2412/2413 - Fundamentals Electronics 1 & lab OR EECE2530 - Fundamentals Electromagnetics & Lab (EE Fundamental Courses not taken to meet the above requirements, may be taken as a technical elective.)

### Technical Elective Requirements: 2 EECE technical electives and 2 Khoury College of Computer Sciences (CS) technical electives

2 EECE course from the following approved list:

- (EECE2412-2530), EECE2750, EECE3154, EECE3324-EECE3468, EECE4512-EECE4698, EECE4991-EECE4993, EECE5155-EECE6598, ENGR5670, GE4608

2 CS courses from the following approved list:

- Approved List: CS2550, CS3200, CS3420, CS3700, CS3740, CS3820, CS4100-CS4410, (CS4510-4650), (CS4740-CS4760), (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:

- 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.

CE/CS Program Changes Effective Spring 2018

Prior to Spring 2018: Students who have completed both EECE2560 and CS4800 will count EECE2560 as one of their EECE technical electives.

Students who have completed CS3700 can count this as an CS Technical elective. CS3700 will remain on the approved CS technical elective list.