## BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

### CURRICULUM OUTLINE - CLASS OF 2018, 2019, 2020

Sample Only – Actual Curriculum Sequence May Deviate from Sample

---

### FALL | SPRING | SUMMER 1 | SUMMER 2
---

#### Year 1
- **Math 1341**: Calculus 1 for Engrs.  
- **Math 1342**: Calculus 2 for Engrs.  
- **Chem 1151**: General Chem. for Engrs.  
- **Chem 1353**: Recitation for CHEM 1151  
- **GE 1000**: Intro to Eng'g  
- **GE 4110**: Eng'g Design  
- **NU Core**: Arts Lvl 1 or Hum. Lvl 1  
- **Math 1341**: Calculus 1 for Engrs.  
- **Math 1342**: Calculus 2 for Engrs.  
- **Physics 1151**: Physics 1 for Engrs.  
- **Physics 1152**: Physics 1 Lab  
- **GE 1000**: Intro to Eng'g  
- **GE 4110**: Eng'g Design  
- **NU Core**: Arts Lvl 1 or Hum. Lvl 1  

#### Year 2
- **Math 2431**: Diff. Eq./Lin. Alg.  
- **Physics 1155**: Physics 2 for Engrs.  
- **Physics 2156**: Physics 2 Lab  
- **Physics 2157**: ILS for PHYS1155  
- **EECE 2160**: Embedded Design: Enabling Robotics  
- **EECE 2161**: Lab for EECE2160  
- **NU Core**: Social Science Lvl 1  
- **Math 2431**: Diff. Eq./Lin. Alg.  
- **Physics 1155**: Physics 2 for Engrs.  
- **Physics 2156**: Physics 2 Lab  
- **Physics 2157**: ILS for PHYS1155  
- **EECE 2160**: Embedded Design: Enabling Robotics  
- **EECE 2161**: Lab for EECE2160  
- **NU Core**: Social Science Lvl 1  

#### Year 3
- **EECE 2000**: EECE Technical Elective 1  
- **EECE 3392**: EECE Technical Elective 2  
- **EECE 4790**: EECE Technical Elective 3  
- **EECE 5576**: EECE Technical Elective 4  
- **ENGR 4608**: EECE Technical Elective 5  

---

### Notes

- Upper Level Electives: 4 required -  
  - Any 4 SH course that is not remedial or repetitive. Please see your advisor if you have any questions.

---

### General Requirements

- **English** (through ENGW 3302 or ENGW 3315):  
- **Social Science** (through ENGW 3302 or ENGW 3315):  
- **Humanities** (through ENGW 3302 or ENGW 3315):  
- **Math** (through ENGW 3302 or ENGW 3315):  
- **Science** (through ENGW 3302 or ENGW 3315):  

---

### Additional Notes

- **English course prefixes have changed from ENGL to ENGW. ENGW1111 is equivalent to ENGL1111. ENGW3302 is equivalent to ENGL3302. Effective Fall 2014, the ENGW 3301 course number will be retired. Students may take ENGW 3302 or ENGW 3315 to fulfill their Advanced Writing in the Technical Professions requirement. ENGW 3301 will still count towards the Advanced Writing in the Technical Professions requirement if the course was taken prior to Fall 2014.**

- **Students who have completed MATH2310 prior to Spring 2015 will be given credit toward this requirement.**

- **EECE Technical Elective Requirements:**
  - **EECE 2530/2531**: Fundamentals Electromagnetics & lab.  
  - **EECE 2540**: Fundamentals Networks  

---

Please contact advising@ccs.neu.edu to discuss your background if you do not meet the course pre-reqs.

### General Elective Requirements

- **5 required** - Any 4 SH course that is not remedial or repetitive. Please see your advisor if you have any questions.

### Note:

- AP credit for MATH2280 will substitute for MATH3081 requirement. (effective Fall 2010)

Note: MATH1215, CS1100 will not count toward general elective requirements. Please check with your advisor when taking a general elective in overlapping disciplines.

The registrar’s website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.