Combined Major - Computer Engineering and Computer Science

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

CURRICULUM OUTLINE - CLASS OF 2021, 2022

Sample Only – Actual Curriculum Sequence May Deviate from Sample

**Effective Summer 1, 2017: EECE2150 & EECE2151 = EECE2150 and EECE2160 & 2161 = EECE2160. The labs are no longer offered as separate course numbers.

Effective Fall 2017: both CS1801 and CS1802 will fulfill the necessary CS1800 recitation requirement for engineering majors.

Effective Fall 2017: CS3000 Algorithms and Data will be offered as a new course number: CS3000 Algorithms and Data

Technical Elective Requirements: 2 EECE technical electives and 2 CCIS technical electives

Effective Fall 2018 CS3000 Algorithms and Data will be offered as a new course number: CS3000 Algorithms and Data

Effective Fall 2018: CS4800 Algorithms & Data will be offered as a new course number: CS3000 Algorithms and Data

Note: AP credit for MATH2302 will substitute for MATH3080 requirement.

Notes: 1. Effective Fall 2018: CE2530/2531 - Fundamentals Electromagnetics & Lab. AND EECS2540- Fundamentals Networks and * CS4800 - Algorithms Data


* ENGWS315 is an acceptable substitution for engineering majors.

*CS1802

**Effective Fall 2017: both CS1801 and CS1802 will fulfill the necessary CS1800 recitation requirement for engineering majors.

**Effective Summer 1, 2017: EECE2150 & EECE2151 = EECE2150 and EECE2160 & 2161 = EECE2160. The labs are no longer offered as separate course numbers.

**Effective Fall 2017: both CS1801 and CS1802 will fulfill the necessary CS1800 recitation requirement 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 these are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.

Notes: Effective CE/CS Program Changes Spring 2018

Effective Fall 2018: CE2530/2531 - Fundamentals Electromagnetics & Lab. AND EECS2540 - Fundamentals Networks and * CS4800 - Algorithms Data

Technical Electives: CE3700 and CS3700 is no longer required but may be taken as a technical elective

**Total Technical electives will now be 4 courses: 2 EE and 2 CCIS technical electives

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 CCIS Technical elective. CS3700 will remain on the approved CCIS technical elective list.

Notes: Effective CE/CS Program Changes Spring 2018

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Sample Only – Actual Curriculum Sequence May Deviate from Sample

**Effective Summer 1, 2017: EECE2150 & EECE2151 = EECE2150 and EECE2160 & 2161 = EECE2160. The labs are no longer offered as separate course numbers.

Effective Fall 2017: both CS1801 and CS1802 will fulfill the necessary CS1800 recitation requirement for engineering majors.

Effective Fall 2017: CS3000 Algorithms and Data will be offered as a new course number: CS3000 Algorithms and Data

Technical Elective Requirements: 2 EECE technical electives and 2 CCIS technical electives

Effective Fall 2018 CS3000 Algorithms and Data will be offered as a new course number: CS3000 Algorithms and Data

Effective Fall 2018: CS4800 Algorithms & Data will be offered as a new course number: CS3000 Algorithms and Data

Note: AP credit for MATH2302 will substitute for MATH3080 requirement.

Notes: 1. Effective Fall 2018: CE2530/2531 - Fundamentals Electromagnetics & Lab. AND EECS2540- Fundamentals Networks and * CS4800 - Algorithms Data


(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 CCIS technical electives

(EECE2412-2530),EECE2750, EECE3154 (EECE3324-EECE4698), EECE4993, (EECE5767-EECE5698), GE4608, ENGSR670

Approved List: CS2000, CS3540, CS3700, CS3740, CS3800, (CS4100-CS4410), (CS4510-CS4650), (CS4740-CS4760),CS4850,(CS5010-CS5610), (CS5650-CS5850), (JS4200-JS4700)

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.

Notes: Effective CE/CS Program Changes Spring 2018

CE Fundamentals: CS4800 (CS3000, Fall 2018) will become a required CE Fundamental course and will replace EECE2560

Technical Electives: CS3700 is no longer required but may be taken as a technical elective

**Total Technical electives will now be 4 courses: 2 EE and 2 CCIS technical electives

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 CCIS Technical elective. CS3700 will remain on the approved CCIS technical elective list.