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<th>Year 1</th>
<th>FALL</th>
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<td>Year 5</td>
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*ENGW3215* is an acceptable substitution for engineering majors.

*CS3802* is an acceptable substitution for engineering majors.

**Effective Summer 1, 2017: EECE2510 & EECE2515 & EECE2610 & 2016 & EECE2616. 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.

2 Required General Electives

1 Required EE Fundamentals: EECE2312/2313 - Fundamentals Digital Design & Lab AND EECE2540 - Fundamentals Networks and * CS4800 - Algorithms Data

1 Required CE Fundamentals: *EECE2412/2413 - Fundamentals Electronics 1 & lab* OR *EECE4993 - Embedded Design: Enabling Robotics*

Technical Elective Courses: 2 EE technical electives and 2 Khoury College of Computer and Information Sciences (CS) technical electives

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

**Effective Summer 1, 2017: EECE2510 & EECE2515 & EECE2610 & 2016 & EECE2616. 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.

2 Required General Electives

1 Required EE Fundamentals: EECE2312/2313 - Fundamentals Digital Design & Lab AND EECE2540 - Fundamentals Networks and * CS4800 - Algorithms Data

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

1 Required EE Fundamentals: EECE2412/2413 - Fundamentals Electronics 1 & lab OR EECE2520 - Fundamentals Linear Systems OR EECE 2530/2531 - Fundamentals Electromagnetics & lab.

(EE Fundamental Courses not taken to meet the above requirements, may be taken as a technical elective.)

Technical Elective Courses: 2 EE technical electives and 2 Khoury College of Computer and Information Sciences (CS) technical electives

Approved List: CS3200,CS3540, CS3700, CS3740, CS3800, (CS4100-CS4140), (CS4510-4650), (CS4740-CS4760),CS4850,(CS5010-CS5610), (CS5650-CS5850), (JS4200-54700)

Note: AP credit for MATH2341 will substitute for MATH3081 requirement.

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 CS technical electives

Prior to Spring 2018: Students who have completed both EECE2560 and CS4800 will count EECE2560 as one of their EE technical electives. Students who have completed CS3700 can count this as an EE Technical elective. CS3700 will remain on the approved CS technical elective list.**

Revision 12/31/2017