### FRESHMAN

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| **ENGL 101 (3)**  
College English I  
Grade of C- or better | **ENGL 102 (3)**  
College English II  
Prereq: ENGL 101 Grade C or better |
| **MATH 242 (5)**  
Calculus I  
Prereq: See Course Catalog | **MATH 243 (5)**  
Calculus II  
Prereq: MATH 242 Grade C or better |
| **CS 194 (4)**  
Introduction to Digital Design  
Prereq: MATH 111 or equivalent | **PHYS 313 (4)**  
Physics for Scientist I  
Coreq: MATH 243 Grade C or better |
| **General Education**  
H/FA/S&BSc (3)  
Note b | **CS 211 (4)**  
Introduction to Programming  
Prereq: MATH 111 or equivalent |

### JUNIOR

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| **EE 383 (3)**  
Signals and Systems  
Prereq: EE 284 and MATH 555  
Grade C- or better | **EE 493 (4)**  
Electronic Circuits II or Technical Elec  
Offered SPRING ONLY  
Prereq: EE 492 Grade C- or better  
Note c |
| **EE 463 (3)**  
Applied Engineering Electromagnetics  
Offered FALL ONLY  
Prereq: PHYS 314 & MATH 344  
Grade C- or better | **EE 488 (4)**  
Electric Machines & Transformers  
Offered SPRING ONLY  
Prereq: EE 282 Grade C- or better |
| **MATH 511 (3)**  
Linear Algebra  
Prereq: MATH 243  
Grade C or better | **EE 684 (3)**  
Introductory Control System Concepts  
Offered SPRING ONLY  
Prereq: EE 282 & MATH 555 or EE 383  
Grades C- or better |
| **EE 492 (4)**  
Electronic Circuits I  
Coreq: EE 284 | **Engineer of 2020 Requirement (2 of 3)** |
| **Engineer of 2020 Requirement (1 of 3)** | **Engineer of 2020 Requirement (3 of 3)** |

### SENIOR

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| **COMM 111 (3)**  
Public Speaking  
Grade C- or better | **General Education**  
H/FA/S&BSc (3)  
Note b |
| **MATH 344 (3)**  
Calculus III  
Prereq: Math 243 Grade C or better  
Departmental Consent | **MATH 555 (3)**  
Differential Equations I  
Prereq: MATH 243, Grade C or better |
| **PHYS 314 (4)**  
Physics for Scientist II  
Prereq: MATH 243 and PHYS 313  
Grade C or better | **CHEM 211 (5)**  
General Chemistry I  
Prereq: CHEM 101, 103 or 110  
Coreq: MATH 111 |
| **IME 255 (3)**  
Engineering Economy  
Coreq: MATH 242 or 251 | **EE 284 (3)**  
Circuits II  
Prereq: EE 282 and MATH 243  
Coreq: MATH 555  
Grades C- or better |
| **EE 282 (4)**  
Circuits I  
Coreq: MATH 243 | **EE 285 L (1)**  
Programming w/ MATLAB for EE/CE  
Prereq: CS 211 Grade C- or better  
Coreq: EE 284 |

### NOTES:
(a) At least 6 of the 8 technical elective hours must be from the EECS Department. Up to 2 credit hours of Co-op courses can be used as non-departmental technical electives. (b) Humanities/Fine Arts/Social & Behavioral Science courses must be from an approved list which appears in the Schedule of Courses. (c) Students are required to take EE 493 or EE 688. If taking both, the second will count towards technical elective hours. Prereq = Prerequisite. Coreq = Corequisite. All prerequisites for EECS courses must be passed with a C- or better.

Last Updated: 5/2018