## FRESHMAN

### FALL
- **ENGL 101 (3)**
  - College English I
  - P: See Course Catalog

### SPRING
- **ENGL 102 (3)**
  - College English II
  - P: ENGL 101 with grade C or better

### FALL
- **MATH 242 (5)**
  - Calculus I
  - P: See Course Catalog

### SPRING
- **MATH 243 (5)**
  - Calculus II
  - P: MATH 242 with C or better

### FALL
- **PHIL 125 (3)**
  - Introductory Logic

### SPRING
- **General Education**
  - H/FA/S&BSc (3)
  - Note b

### FALL
- **CS 194 (4)**
  - Introduction to Digital Design
  - P: MATH 111

### SPRING
- **CS 211 (4)**
  - Intro to Programming
  - P: MATH 111 or MATH 112

## SOPHOMORE

### FALL
- **COMM 111 (5)**
  - Public Speaking

### SPRING
- **General Education**
  - H/FA/S&BSc (3)
  - Note b

### FALL
- **IME 254 (3)**
  - Engineering Probability & Statistics I
  - Coreq: MATH 242

### SPRING
- **IME 255 (3)**
  - Engineering Economy
  - P: MATH 243

### FALL
- **MATH 321 (3)/CS 321**
  - Discrete Structures I
  - P: MATH 242 with grade C or better, or

### SPRING
- **MATH 322 (3)**
  - Discrete Structures II
  - P: MATH 321

### FALL
- **PHYS 313 (4)**
  - Physics for Scientist I
  - Coreq: MATH 243
  - Grade of C or better

### SPRING
- **PHYS 314 (4)**
  - Physics for Scientist II
  - P: MATH 243 with grade C or better/PHYS 313

### FALL
- **CS 300 (4)**
  - Data Structures and Algorithms I
  - P: CS 211
  - Grade of C- or better

### SPRING
- **CS 238 (3)**
  - Assembly Language Programming
  - P: CS 211
  - Grade of C- or better

### FALL
- **CS 510 (3)**
  - Programming Language Concepts
  - Offered Fall Only
  - P: CS 300/Math 322, grades of C- or better

### SPRING
- **CS 560 (3)**
  - Design and Analysis of Algorithms
  - Offered Spring Only
  - P: CS 300/Math 322/IME 254 with grades of C- or better

### FALL
- **CS 540 (3)**
  - Operating Systems
  - P: CS 238/300 with Grades of C- or better

### SPRING
- **CS 665 (3)**
  - Introduction to Database Systems
  - Offered Spring Only
  - P: CS 300/Math 322 with grades of C- or better

### FALL
- **Technical Elective (3)**

### SPRING
- **Technical Elective (4)**

### FALL
- **EE 585 (2)**
  - Electrical Design Project I
  - P: CS411/PHIL 354, grades of C- or better with Department Consent

### SPRING
- **EE 595 (2)**
  - Electrical Design Project II
  - P: EE 585
  - Grade of C- or better

## JUNIOR

### FALL
- **PHIL 325 (3)**
  - Formal Logic

### SPRING
- **PHIL 354 (3)**
  - Ethics and Computers
  - Offered Spring Only
  - P: Junior standing/departamental consent

### FALL
- **CHEM 211 (5)**
  - General Chemistry I
  - Coreq: Math 111

### SPRING
- **CS 394 (3)**
  - Introduction to Computer Architecture
  - Offered Spring Only
  - P: CS 194 and CS211
  - Grades of C- or better

### FALL
- **Object-Oriented Programming**
  - P: CS 300
  - Grade of C- or better

### SPRING
- **CS 410 (3)**
  - Programming Paradigms
  - Offered Spring Only
  - P: CS 300/IME 254 with grades of C- or better

### FALL
- **CS 411 (3)**
  - Grade of C- or better

### SPRING
- **Engineer of 2020 Requirement (2 of 3)**
  - See notes

## SENIOR

### FALL
- **MATH 511 (3)**
  - Linear Algebra
  - P: MATH 243 with grade C or better

### SPRING
- **CS 464 (3)**
  - Computer Networks
  - Offered Spring Only
  - P: CS 300/IME 254
  - Grades of C- or better

### FALL
- **CS 510 (3)**
  - Programming Language Concepts
  - Offered Fall Only
  - P: CS 300/Math 322, grades of C- or better

### SPRING
- **CS 560 (3)**
  - Design and Analysis of Algorithms
  - Offered Spring Only
  - P: CS 300/Math 322/IME 254 with grades of C- or better

### FALL
- **CS 540 (3)**
  - Operating Systems
  - P: CS 238/300 with Grades of C- or better

### SPRING
- **CS 665 (3)**
  - Introduction to Database Systems
  - Offered Spring Only
  - P: CS 300/Math 322 with grades of C- or better

### FALL
- **Technical Elective (3)**

### SPRING
- **Technical Elective (4)**

### FALL
- **EE 585 (2)**
  - Electrical Design Project I
  - P: CS411/PHIL 354, grades of C- or better with Department Consent

### SPRING
- **EE 595 (2)**
  - Electrical Design Project II
  - P: EE 585
  - Grade of C- or better

## Notes:
- Students admitted after Fall 2007 must fulfill Engineer 2020 requirements. Prerequisites for all CS courses must be passed with a grade of C- or better. At least 8 of the 14 hours must be from the EECS Dept. Up to 2 credit hours of Co-op courses can be used as non-dept technical electives. Humanities/Fine Arts/Social & Behavioral Science/Natural Science courses must be from an approved list which appears in the Schedule of Courses. PHIL 125 counts toward one Humanities credit and PHIL 354 counts toward Adv Issues & Perspective requirement.
- P: Prerequisite

Last Updated: 02/15/2017