## FIRST YEAR

### FALL SEMESTER
- **WRIT 150**
- **MATH 125 (GE F)**
- **CSCI 103L (CSCI 170)**
- **CSCI 109**
- **ENGR 102**

### SPRING SEMESTER
- **GE B**
- **MATH 129 or MATH 126**
- **CSCI 104 (CSCI 160L, CSCI 170)**
- **CSCI 170 (CSCI 160L, CSCI 170)**
- **OPTIONAL ELECTIVE**

## SECOND YEAR

### FALL SEMESTER
- **GE C**
- **EE 109L**
- **CSCI 270**
- **CSCI 201L**
- **OPTIONAL ELECTIVE**

### SPRING SEMESTER
- **CSCI 310 (CSCI 104)**
- **MATH 222 or MATH 226**
- **WRIT 340**
- **CSCI 356 (CSCI 104)**
- **OPTIONAL ELECTIVE**

## THIRD YEAR

### FALL SEMESTER
- **GE A**
- **MATH 225**
- **CSCI 350**
- **CSCI 360**
- **OPTIONAL ELECTIVE**

### SPRING SEMESTER
- **BASIC SCIENCE (GE D or E)**
- **TECH. ELECTIVE I**
- **TECH. ELECTIVE II**
- **EE 364 (MATH 118 or MATH 226)**
- **GE B**

## FOURTH YEAR

### FALL SEMESTER
- **BASIC SCIENCE II**
- **TECH. ELECTIVE III**
- **CSCI 401 or CSCI 404**
- **CSCI 407**
- **OPTIONAL ELECTIVE**

### SPRING SEMESTER
- **GED or E**
- **TECH. ELECTIVE IV**
- **REQUIRED ELECTIVE**
- **REQUIRED ELECTIVE**
- **OPTIONAL ELECTIVE**

### MATHEMATICS (19-20 UNITS)
- **MATH 125**: Calculus I
- **MATH 126 or 129**: Calculus II
- **MATH 226 or 229**: Calculus III
- **MATH 225**: Linear Algebra & Diff. Equations
- **or MATH 407**: Probability Theory

### SCIENCE COURSES (8 UNITS)
- **BASIC SCIENCE I**
- **BASIC SCIENCE II**

### GENERAL EDUCATION (32 UNITS)
- **GE A**: The Arts (1 Course)
- **GE B**: Humanistic Inquiry (2 Courses)
- **GE C**: Social Analysis (2 Courses)
- **GE D**: Life Sciences (1 Course)
- **GE E**: Physical Sciences (1 Course)
- **GE F**: Quantitative Reasoning (1 Course)
- **GE G,H**: Global Perspectives (2 Courses)*
- **GESM**: General Education Seminar (1 Course)*

### WRITING (7 UNITS)
- **WRIT 150**: Writing and Critical Reasoning
- **WRIT 340**: Advanced Writing

### ENGINEERING (60 UNITS)
- **CSCI 103L**: Introduction to Programming
- **CSCI 104L**: Data Structures & Object Oriented Design
- **CSCI 109**: Introduction to Computing
- **CSCI 170**: Discrete Methods in Comp. Science
- **CSCI 201L**: Princ. of Software Development
- **CSCI 270**: Intro. to Algorithms & Theory of Computing
- **CSCI 310L**: Intro. to Software Engineering
- **CSCI 350L**: Introduction to Operating Systems
- **CSCI 356**: Introduction to Computer Systems
- **CSCI 360L**: Introduction to Artificial Intelligence
- **CSCI 401**: Capstone: Design and Construction of Large Software Systems
- **or CSCI 404**: Capstone: Creating Your High-Tech Startup
- **EE 109**: Introduction to Embedded Systems
- **ENGR 102**: Engineering Freshmen Academy

### OTHER COURSES (6-10 UNITS)
- **REQUIRED ELECTIVES**

### TECHNICAL ELECTIVES: See approved tech elective list on CS webpage.

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### SPECIAL NOTES
- Courses with this symbol may be satisfied with AP, IB or A-Level exams. See page 17 for more information.
- GE: Engineering students are encouraged to satisfy GE G and GE H with a course that also satisfies a Core Literacy. GE H may be satisfied by exam. Additionally, your GE/SM course should be taken in categories A, B, C, or D only. See pp. 16-17 for more information and consult your advisor for detailed assistance.
- GRADE QUALIFIER: A grade of C (2.0) or better is required for each of the core courses (CSCI 103, 170, 194 & 2011). Courses with a grade of C- or below must be repeated; courses may only be retaken once with department approval.

**BASIC SCIENCE**:
- **PHYS 151L** and **PHYS 152L**
- **CHEM 105SL** and **CHEM 105SL**
- **BISC 120L** and **BISC 220L**

**TECHNICAL ELECTIVES**: See approved tech elective list on CS webpage.