

# Computer Engineering

## Sample Schedule

Alternative sample schedules are available at [nyuad.nyu.edu/grids](http://nyuad.nyu.edu/grids)

### Year 1

Fall Semester

|                        |                          |                          |                            |
|------------------------|--------------------------|--------------------------|----------------------------|
| Multivariable Calculus | Foundations of Science 1 | Foundations of Science 2 | First-year Writing Seminar |
|------------------------|--------------------------|--------------------------|----------------------------|

Spring Semester

|                |                                    |                  |            |
|----------------|------------------------------------|------------------|------------|
| Linear Algebra | Computer Programming for Engineers | General Elective | Colloquium |
|                | Ethics                             |                  |            |

### Year 2

Fall Semester

|               |                    |                        |      |
|---------------|--------------------|------------------------|------|
| Discrete Math | ECC: Statics       | ECC: Conservation Laws | Core |
|               | ECC: Digital Logic | ECC: Circuits          |      |

Spring Semester

|             |                        |                             |                                |
|-------------|------------------------|-----------------------------|--------------------------------|
| Math Course | Advanced Circuits      | Object Oriented Programming | Data Structures and Algorithms |
|             | Differential Equations | Advanced Digital Logic      |                                |

### Year 3

Fall Semester

|  |                          |                   |      |
|--|--------------------------|-------------------|------|
| Computer Organization and Architecture | Probability & Statistics | Computer Networks | Core |
|  | ECC: Numerical Methods   |                   |      |

Spring Semester

|                               |  |                  |      |
|-------------------------------|--|------------------|------|
| Computer Engineering Elective | Computer Engineering Elective (Hardware) | General Elective | Core |
|-------------------------------|--|------------------|------|

### Year 4

Fall Semester

|                               |                   |                  |            |
|-------------------------------|-------------------|------------------|------------|
| Computer Engineering Elective | Operating Systems | Embedded Systems | Colloquium |
| Capstone Design I             |                   |                  |            |

Spring Semester

|                    |                               |                  |      |
|--------------------|-------------------------------|------------------|------|
| Capstone Design II | Computer Engineering Elective | Science Elective | Core |
|--------------------|-------------------------------|------------------|------|

June Term  
ECC: Design & Innovation

January Term  
General Elective

January Term  
General Elective