



Typical Course Sequence for CS Majors

Credit hours shown in parentheses.
120 credit hours needed to graduate.

First Semester* (14)

Computer Ethics (1)
Object-Oriented Programming with Java (4)
Calculus 1 (3)
English Composition 1 (3)
Group B Course (3)

Third Semester (17)

Advanced Java (4)
Discrete Math (3)
Embedded Systems Languages (3)
Database Design I (3)
Lab Science 1 (4)

Fifth Semester (15)

Analysis of Algorithms and Data Structures (3)
Organization of Programming Languages (3)
Math/Science Elective (3)
Public Speaking (3)
CS Elective 1 (3)

Seventh Semester (13)

CS Elective 3 (3)
HPE Course (1)
Group A Course (3)
Group B Course (3)
Free Elective (3)

Second Semester* (16)

Graphical User Interfaces in Java (4)
Calculus 2 (3)
Technical Writing (3)
Ethics Course (3)
Group A Course (3)

Fourth Semester (17)

Data Structures using C++ (4)
Probability and Statistics (3)
Computer Organization (3)
Lab Science 2 (4)
Science Elective (3)

Sixth Semester (15)

Operating Systems (3)
CS Elective 2 (3)
Math Elective (3)
Group B Course (3)
Science Elective (3)

Eighth Semester (14)

Object-Oriented Software Engineering (4)
HPE Course (1)
Group A Course (3)
Group B Course (3)
Free Elective (3)

*Block scheduled