

Suggested Sequence for Computer Science Majors

All courses are 1 Unit (4 credit hours) unless otherwise noted. A full-time student typically takes 4 units, or up to a maximum of 4.5 units, in a semester.

- Green indicates Computer Science courses;
- Blue indicates Math or Science correlate courses;
- Orange indicates liberal learning courses, including the world language requirement.
- Black indicates free elective courses.

Suggested Sequence for Students Intending to apply for **Jobs in the Industry**

Year 1 (8 units)	CSC 099: Orientation to CS (0 unit; Fall) CSC 220: Computational Problem Solving MAT 127: Calculus A Freshman Seminar (Liberal Learning; Fall) World Language 1	CSC 230: Data Structures CSC 270: Discrete Structures MAT 128: Calculus B <u>or</u> MAT 205: Linear Algebra World Language 2
Year 2 (8.25 units)	CSC 199: Prof. Dev. Seminar (0.25 unit; Fall) CSC 325: Computer Architecture (Fall or Spring) CSC 335: Analysis of Algorithms (Fall or Spring) CS Option <u>or</u> CSC 345: Operating Systems CS Option	Mobile Computing <u>or</u> Free Elective Science STA 215: Statistical Inference World Language 3
Year 3 (8.25 units)	CSC 299: Junior Seminar (0.25 unit; Spring) CS Option <u>or</u> CSC 345: Operating Systems (<i>if not taken in Year 2</i>) CS Option CSC 415: Software Engineering	Free Elective Science (2 units) Liberal Learning (2 units)
Year 4 (8 units)	CS Capstone (<i>Internship suggested</i>) CSC 435: Programming Languages <u>or</u> CSC 445: Theory of Computation	Free Elective (2 units) Science or Math Liberal Learning (3 units)

Suggested Sequence for Students Intending to apply to **Graduate Schools**

Year 1 (8 units)	CSC 099: Orientation to CS (0 unit; Fall) CSC 220: Computational Problem Solving MAT 127: Calculus A Freshman Seminar (Liberal Learning; Fall) World Language 1	CSC 230: Data Structures CSC 270: Discrete Structures MAT 128: Calculus B <u>or</u> MAT 205: Linear Algebra World Language 2
Year 2 (8.25 units)	CSC 199: Prof. Dev. Seminar (0.25 unit; Fall) CSC 325: Computer Architecture (Fall or Spring) CSC 335: Analysis of Algorithms (Fall or Spring) CS Option <u>or</u> CSC 345: Operating Systems CS Option	Mobile Computing <u>or</u> Free Elective Science STA 215: Statistical Inference World Language 3
Year 3 (8.25 units)	CSC 299: Junior Seminar (0.25 unit; Spring) CS Option <u>or</u> CSC 345: Operating Systems (<i>if not taken in Year 2</i>) CSC 415: Software Engineering CSC 445: Theory of Computation CS Capstone (<i>Mentored Research suggested</i>)	Free Elective = CS Capstone (<i>Mentored Research 1 or 2 with intent to publish suggested</i>) Science Liberal Learning (2 units)
Year 4 (8 units)	CS Option (<i>CSC 435: Programming Languages suggested</i>) Free Elective = CS Capstone (<i>Mentored Research 1 or 2 with intent to publish suggested</i>)	Science Science or Math Free Elective Liberal Learning (3 units)