

Sample 4-Year Plan: Computer Sciences and Data Science

Below is a sample 4-year plan that shows how a student might navigate both the Computer Sciences major and Data Science major. This plan indicates both potential areas of overlap and non-overlap. Please note that it is not required that all double majors follow this plan nor is it required that students overlap the maximum number of courses between the two majors. This plan is provided as a tool for students to understand the potential course load between the two majors.

Students are strongly encouraged to review the full curriculum for both majors on the Guide and contact relevant advisors for information on course selection.

- *Computer Sciences Guide:* <https://guide.wisc.edu/undergraduate/letters-science/computer-sciences/#degreesmajorscertificatestext> (select either CS (BA or BS))
- *Data Science Guide:* <https://guide.wisc.edu/undergraduate/letters-science/statistics/#degreesmajorscertificatestext> (select either Data Science BA or BS)

| | Fall | | Spring | |
|----------------------|---|-------------------------|--|-----------------------------------|
| | <i>CS Major Courses</i> | <i>DS Major Courses</i> | <i>CS Major Courses</i> | <i>DS Major Courses</i> |
| Year 1 | COMP SCI 200 (3), 304 (1 optional) | | COMP SCI 252 (2) | |
| <i>Shared/Gen-ed</i> | MATH 221 (5), electives and gen-ed courses | | COMP SCI 300 (3), MATH 222 (4), electives and gen-ed courses | |
| Year 2 | COMP SCI 240 (3) | STAT 240 (4) | COMP SCI 354 (3) | STAT 340 (4), COMP SCI 320 (4) |
| <i>Shared/Gen-ed</i> | COMP SCI 400 (3), electives and gen-ed courses | | electives and gen-ed courses | |
| Year 3 | Applications (3) | L I S 461 (3-4) | Additional Math (3-4) | Statistical Modeling (3) |
| <i>Shared/Gen-ed</i> | COMP SCI 577 (3), electives and gen-ed courses | | MATH 320, 340, or 341 (3), electives and gen-ed courses | |
| Year 4 | Software & Hardware (3) | | Software & Hardware (3) | |
| <i>Shared/Gen-ed</i> | COMP SCI 532, 539, or 540 (3), electives and gen-ed courses | | CS Elective/DS Elective* (3), electives and gen-ed courses | |

*Possible overlapping electives include COMP SCI 412, 425, 513, 514, 524, 525, 533, 559, 564, 567, 576