



21/22 Suggested Course of Study

Computer Science, BA

Freshman Year, Fall Semester

| | | |
|-----------------------------|--|-----------|
| Major | CS 161, Intro. to Computer Science* | 3 |
| Gen Ed | ENG 101, Composition I | 3 |
| Gen Ed | HIST 101 or 102, History of World Civ I or II | 3 |
| BA Degree | FRN or GER or SPN 101* | 3 |
| Elective | General or Minor/2 nd major (or MATH 131) | 3 |
| Total semester hours | | 15 |

Freshman Year, Spring Semester

| | | |
|-----------------------------|---|-----------|
| Gen Ed | ENG 102, Composition II | 3 |
| Gen Ed | Science | 4 |
| Gen Ed | HIST 101 or 102 or Social & Behavioral Sci. | 3 |
| BA Degree | FRN or GER or SPN 102* | 3 |
| Major | CS 170 Computer Programming I | 3 |
| Total semester hours | | 16 |

Sophomore Year, Fall Semester

| | | |
|-----------------------------|---|-----------|
| Major | CS 270, Computer Programming II | 3 |
| Gen Ed | ENG 231 or 232, Global Literature I or II | 3 |
| Gen Ed | COMS 101, Foundations of Oral Comm | 3 |
| Gen Ed | Fine Arts | 3 |
| BA Degree | FRN or GER or SPN 201 | 3 |
| Total semester hours | | 15 |

Sophomore Year, Spring Semester

| | | |
|-----------------------------|--|-----------|
| Major | CS 280, Algorithm Dev & Data Structure | 3 |
| Gen Ed | ENG 231 or 232 or Humanity | 3 |
| Gen Ed | Science | 4 |
| Gen Ed | Social & Behavioral Sciences | 3 |
| BA Degree | FRN or GER or SPN 202 | 3 |
| Total semester hours | | 16 |

Notes

* Indicates the course is also used to satisfy a General Education Core requirement.

This suggested course of study is for informational purposes only and does not replace academic advising. All UM students must meet with an academic advisor before registering for future semesters. This plan contains 30 hours of general electives.

For more information, contact the program director or click one of the links below:

Dr. Alina Olteanu, aolteanu@montevallo.edu, 205-665-6475, Harman 210

Webpage: <https://www.montevallo.edu/academics/colleges/college-of-arts-sciences/biology-chemistry-mathematics/>

Bulletin: http://bulletin.montevallo.edu/preview_program.php?catoid=24&poid=3700&returnto=3062

Junior Year, Fall Semester

| | | |
|-----------------------------|--|-----------|
| Major | CS 305, Operating Systems | 3 |
| Major | CS 320, Database Management Systems | 3 |
| Electives | General or Minor/2 nd major | 9 |
| Total semester hours | | 15 |

Junior Year, Spring Semester

| | | |
|-----------------------------|------------------------------|-----------|
| Major | CS 400, Program Languages | 3 |
| Major | CS 405, Computer Networks | 3 |
| Major | CS major elective | 3 |
| Gen Ed | Mathematics | 3 |
| Gen Ed | Social & Behavioral Sciences | 3 |
| Total semester hours | | 15 |

Senior Year, Fall Semester

| | | |
|-----------------------------|--|-----------|
| Major | CS 415, Software Engineering | 3 |
| Major | CS major elective | 3 |
| Electives | General or Minor/2 nd major | 9 |
| Total semester hours | | 15 |

Senior Year, Spring Semester

| | | |
|-----------------------------|--|-----------|
| Major | CS 485, Senior Seminar | 3 |
| Electives | General or Minor/2 nd major | 10 |
| Total semester hours | | 12 |

TOTAL HOURS REQUIRED FOR DEGREE 120