



23/24 Suggested Course of Study

Computer Science, BS

Freshman Year, Fall Semester

Major	CS 161, Intro. to Computer Science*	3
Gen Ed	ENG 101, Composition I	3
Gen Ed	Science	4
Gen Ed	HIST 101 or 102, History of World Civ I or II	3
BS Degree	Mathematics or Science	3
Total semester hours		16

Freshman Year, Spring Semester

Gen Ed	ENG 102, Composition II	3
Gen Ed	Fine Arts	3
Gen Ed	Science	4
Gen Ed	HIST 101 or 102 or Social & Behavioral Sci.	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	COMS 101, Foundations of Oral Comm.	3
Gen Ed	ENG 231 or 232, Global Literature I or II	3
Gen Ed	Humanities or Fine Arts	3
Gen Ed	MATH 170	4
Total semester hours		16

Sophomore Year, Spring Semester

Major	CS 280, Algorithm Dev and Data Structures	3
Gen Ed	ENG 231 or 232 or Humanities	3
Gen Ed	Humanities or Fine Arts	3
Gen Ed	Social & Behavioral Sciences	3
BS Degree	MATH 171	4
Total semester hours		16

Junior Year, Fall Semester

Major	CS 305, Operating Systems	3
Major	CS 320, Database Management Systems	3
Electives	General or Minor/2 nd major	8
Total semester hours		14

Junior Year, Spring Semester

Major	CS 400, Programming Languages	3
Major	CS 405, Computer Networks	3
Major	CS major elective	3
Gen Ed	Social & Behavioral Sciences	3
Elective	General or Minor/2 nd major	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	9
Total semester hours		12

TOTAL HOURS REQUIRED FOR DEGREE 120

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 33 hours of general electives.

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

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

Bulletin: <http://bulletin.montevallo.edu/>