



23/24 Suggested Course of Study

Chemistry, BS

(Beginning on an odd year)

Freshman Year, Fall Semester

Major	CHEM 185, Survey of Chemistry	1
Major	CHEM 121, General Chemistry I*	4
Gen Ed	ENG 101, Composition I	3
Gen Ed	COMS 101, Found. of Oral Communication	3
Gen Ed	MATH 170, Calculus I	4
Total semester hours		15

Junior Year, Fall Semester

Major	CHEM 320, Analytical Chemistry	4
Gen Ed	ENG 231 or 232 or Humanities	3
Gen Ed	HIST 101 or 102 or Social & Behavioral Sci.	3
Electives	General or Minor	3
Gen Ed	Social & Behavioral Sciences	3
Total semester hours		16

Freshman Year, Spring Semester

Major	CHEM 122, General Chemistry II	4
Support	MATH 171, Calculus II	4
Gen Ed	ENG 102, Composition II	3
Gen Ed	HIST 101 or 102, History of World Civ I or II	3
Total semester hours		14

Junior Year, Spring Semester

Major	CHEM 370 or 380 or 420 or 431 or 440	3 or 4
Major	CHEM 450, Instrumental Analysis	4
Gen Ed	Humanities or Fine Arts	3
Electives	General or Minor	3 or 4
Total semester hours		14

Sophomore Year, Fall Semester

Major	CHEM 221, Organic Chemistry I	4
Gen Ed	ENG 231 or 232, Global Literature I or II	3
Gen Ed	Humanities or Fine Arts	3
Gen Ed	Fine Arts	3
Gen Ed	PHYS 201 or 241, College or Univ. Physics I	4
Total semester hours		17

Senior Year, Fall Semester

Major	CHEM 321, Physical Chemistry I	4
Gen Ed	Social & Behavioral Sciences	3
Gen Ed	Personal Development	3
Electives	General or Minor	5
Total semester hours		15

Sophomore Year, Spring Semester

Major	CHEM 222, Organic Chemistry II	4
Major	CHEM 370 or 380 or 420 or 431 or 440	3 or 4
Support	PHYS 202, College Physics II	4
Electives	General or Minor	3 or 4
Total semester hours		15

Senior Year, Spring Semester

Major	CHEM 322, Physical Chemistry II	4
Major	CHEM 491, Chemistry Seminar	2
Elective	General or Minor	8
Total semester hours		14

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 22-24 hours of general electives.

For more information, contact the department chair 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/chemistry/>

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