



# 23/24 Suggested Course of Study

## Chemistry, BS (ACS certified)

### (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
<b>Total semester hours</b>		<b>15</b>

#### 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
<b>Total semester hours</b>		<b>16</b>

#### 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
<b>Total semester hours</b>		<b>14</b>

#### Junior Year, Spring Semester

Major	CHEM 370, Biochemistry	4
Major	CHEM 450, Instrumental Analysis	4
Gen Ed	Humanities or Fine Arts	3
Major	CHEM 420, Advanced Inorganic Chem	4
<b>Total semester hours</b>		<b>15</b>

#### 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
<b>Total semester hours</b>		<b>17</b>

#### Senior Year, Fall Semester

Major	CHEM 321, Physical Chemistry I	4
Gen Ed	Social & Behavioral Sciences	3
Gen Ed	Personal Development	3
Major	CHEM 440 ST: Polymers	4
<b>Total semester hours</b>		<b>14</b>

#### Sophomore Year, Spring Semester

Major	CHEM 222, Organic Chemistry II	4
Major	CHEM 380 or 431	3 or 4
Support	PHYS 202, College Physics II	4
Electives	General or Minor	3 or 4
<b>Total semester hours</b>		<b>15</b>

#### Senior Year, Spring Semester

Major	CHEM 322, Physical Chemistry II	4
Major	CHEM 491, Chemistry Seminar	2
Elective	General or Minor	8
<b>Total semester hours</b>		<b>14</b>
<b>TOTAL HOURS REQUIRED FOR DEGREE</b>		<b>120</b>

## 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 15-16 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/>

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