



# 19/20 Suggested Course of Study

## Chemistry, BS (Biochemistry)

### (Beginning on an odd year)

#### Freshman Year, Fall Semester

Major	BIO 105, Introductory Biology I	4
Major	CHEM 185, Survey of Chemistry	1
Major	CHEM 121, General Chemistry I*	4
Gen Ed	ENG 101, Composition I	3
Gen Ed	MATH 170, Calculus I	4
<b>Total semester hours</b>		<b>16</b>

#### Freshman Year, Spring Semester

Major	CHEM 122, General Chemistry II	4
Gen Ed	ENG 102, Composition II	3
Gen Ed	COMS 101, Foundations of Oral Comm.	3
Gen Ed	HIST 101 or 102, History of World Civ I or II	3
<b>Total semester hours</b>		<b>13</b>

#### Sophomore Year, Fall Semester

Major	BIO 206, Genetics	4
Major	CHEM 221, Organic Chemistry I	4
Gen Ed	ENG 231 or 232, Global Literature I or II	3
Gen Ed	Fine Arts	3
<b>Total semester hours</b>		<b>14</b>

#### Sophomore Year, Spring Semester

Major	CHEM 222, Organic Chemistry	4
Major	CHEM 370, Biochemistry I	4
Gen Ed	ENG 231 or 232 or Humanities course	3
Gen Ed	HIST 101 or 102 or Social or Behavioral. Sci.	3
Gen Ed	Personal Development	3
<b>Total semester hours</b>		<b>17</b>

#### Junior Year, Fall Semester

Major	BIO 307, Cell Biology	4
Major	CHEM 320, Analytical Chemistry	4
Gen Ed	Humanities or Fine Arts	3
Gen Ed	PHYS 201 or 241, College or Univ. Physics I	4
<b>Total semester hours</b>		<b>15</b>

#### Junior Year, Spring Semester

Major	CHEM 450, Instrumental Analysis	4
Support	PHYS 202 or 242, College or Univ. Physics II	4
Gen Ed	Humanities or Fine Arts	3
Gen Ed	Social and Behavioral Sciences	3
<b>Total semester hours</b>		<b>14</b>

#### Senior Year, Fall Semester

Major	CHEM 321, Physical Chemistry I	4
Electives	General or Minor	11
<b>Total semester hours</b>		<b>15</b>

#### Senior Year, Spring Semester

Major	CHEM 491, Chemistry Seminar	2
Gen Ed	Social and Behavioral Sciences	3
Electives	General or Minor	11
<b>Total semester hours</b>		<b>16</b>

**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 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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