

## Sample Course Sequence:

### Non-ACS Chemistry Major Biology Minor

Year	Fall	Spring
Freshman	CHM 103 <i>General Chemistry I</i> * 5	CHM 104 General Chemistry II * 5
	BIO 105 <b>General Biology</b> * 4	BIO 204 <b>Plant Biology</b> 4
	ENG 110 <i>College Writing I</i> 3	CST 110 <i>Speech</i> 3
	<i>General Ed. Elective</i> 3	<i>General Ed. Elective</i> 3
	<u>15</u>	<u>15</u>
Sophomore	CHM 303 Organic Chemistry I 3	CHM 304 Organic Chemistry II 3
	CHM 301 Analytical Chemistry * 5	CHM 305 Organic Chemistry Lab * 2
	MTH 207 <i>Calculus I</i> 5	MTH 208 Calculus II 4
	PHY 103 <i>General Physics I</i> * 4	PHY 104 General Physics II * 4
	<i>General Ed. Elective</i> 3	<i>General Ed. Elective</i> 3
	<u>17</u>	<u>16</u>
Junior	CHM 309 Physical Chemistry I 3	CHM 310 Physical Chemistry II 3
	MTH 309 Calculus III 4	CHM 499 Research and Seminar *‡ 3
	BIO xxx <b>Biology Elective</b> 3	BIO xxx <b>Biology Elective</b> 2
	<i>General Ed. Elective</i> 3	BIO 210 <b>Animal Biology</b> * 4
	<i>General Ed. Elective</i> 3	<i>General Ed. Elective</i> 3
	<u>16</u>	<u>15</u>
Senior	CHM 313 Physical Chemistry Lab * 2	CHM xxx Chemistry Elective 3
	CHM 325 Survey of Biochemistry *‡ 4	CHM 471 Capstone in Chemistry 1
	BIO xxx <b>Biology Elective</b> 3	BIO xxx <b>Biology Elective</b> 3
	<i>General Ed. Elective</i> 3	<i>General Ed. Elective</i> 3
	<i>General Ed. Elective</i> 3	Elective § 3
	<u>12</u>	<u>13</u>

\* Courses with a laboratory component.

‡ Research in chemistry is not required, but is strongly recommended. Students are encouraged to enroll for two semesters of research if possible. If CHM 499 is not chosen, an additional 2 credits must be taken to fulfill the UW-L graduation requirement of 120 credits. Biochemistry (CHM325) is also not required, but is recommended as one of the Chemistry electives. If CHM 325 (or another 4 credit course) is not chosen as a Chemistry elective, then one additional credit will be needed to meet the 120 credit requirement for graduation.

§ Credits needed to fulfill UW-L graduation requirement. An elective in Chemistry, Math, or Biology is strongly recommended.

Courses in *italics* (or **bold italics**) represent General Education courses (48 credits required). Recommended electives include:

- SAH 105 Health, Wellness and Disease (3) *satisfies IIG: Health and Physical Well-Being*
- MTH 250 Engineering Statistics (3) *satisfies IB: Mathematical/Logical Systems*
- C-S 120 Software Design I (3) *satisfies IB: Mathematical/Logical Systems*

Courses in **bold** represent courses that satisfy the Biology Minor (24 credits). Animal Biology (BIO 210) can be taken any time during the junior or senior year.