

## Four-Year Degree Plan for Major in Biochemistry, B.A.

Note that this is a sample four-year plan. There are other course sequences that will allow a student to graduate within four years as long as prerequisite courses are taken in the proper sequence. This sample plan does not guarantee course availability, and adjustments to students' plans may be necessary if they are unable to take specific courses during specific semesters. Students who are placed into lower level AWR, MAT or other prerequisite courses will need to adjust their four-year plans accordingly. Similarly, students who bring in Advanced Placement, Dual Enrollment or transfer credit for courses will need to adjust their four-year plans. A minimum of a 2.0 GPA both overall and in the major is required for graduation. In addition to major requirements, all components of the Baccalaureate Experience must be completed in order to graduate. A student must earn a minimum of 124 credit hours to qualify for the Bachelor of Arts degree in Biochemistry.

### First (Freshman) Year - Fall Semester

CHE 152	General Chemistry I	3
CHE 153L	General Chemistry I Laboratory	1
MAT 260	Calculus I	4
AWR 101	Writing and Inquiry	4
BAC 101	First-Year Seminar I	1
	or	
HON 101	Pathways to Honors 1	1
		<b>Subtotal: 13</b>

CHE 152, CHE 153L, MAT 260: Grade "C" or better

### First (Freshman) Year - Spring Semester

CHE 154	General Chemistry II	3
CHE 155L	General Chemistry II Laboratory	1
MAT 261	Calculus II	4
BIO 198	General Biology I	4
BIO 198L	General Biology I Laboratory	
	General Elective (NW)	4
BAC 102	First-Year Seminar II	1
	or	
HON 102	Pathways to Honors 2	1
		<b>Subtotal: 17</b>

CHE 154, CHE 155L: Grade "C" or better

### Second (Sophomore) Year - Fall Semester

CHE 232	Organic Chemistry I	3
CHE 233L	Organic Chemistry I Laboratory	1
CHE 310	Analytical Chemistry	4
CHE 310L	Analytical Chemistry Laboratory	
PHY 200	General Physics I	4
PHY 200L	General Physics I Laboratory	
	General Elective (W)	4
		<b>Subtotal: 16</b>

CHE 232, CHE 233L (W), CHE 310: Grade "C" or better

### Second (Sophomore) Year - Spring Semester

CHE 234	Organic Chemistry II	3
CHE 235L	Organic Chemistry II Laboratory	1
PHY 201	General Physics II	4
PHY 201L	General Physics II Laboratory	
AWR 201	Writing and Research	4
	Humanities/Fine Arts (Bacc. Exp.)	4
		<b>Subtotal: 16</b>

Humanities/Fine Arts: (A)

CHE 234, CHE 235L (W): Grade "C" or better

### Third (Junior) Year - Fall Semester

CHE 305	Applied Physical Chemistry	3
	General Elective	4
	Humanities/Fine Arts (Bacc. Exp.)	4
	Social Science (Bacc. Exp)	4
		<b>Subtotal: 15</b>

Social Science: (IG) (NW)

### Third (Junior) Year - Spring Semester

CHE 320	Biochemistry	3
CHE 320L	Biochemistry Laboratory	1
	General Elective (NW)	4
	Social Science (Bacc. Exp)	4
	General Elective	4
		<b>Subtotal: 16</b>

CHE 320: Grade "C" or better

### Fourth (Senior) Year - Fall Semester

CHE 470	Tissue Culture	4
	General Elective	4
	Social Science (Bacc. Exp)	4
	Humanities/Fine Arts	4
		<b>Subtotal: 16</b>

Social Science: (IG) (NW)

Humanities/Fine Arts: (IG) (NW)

### Fourth (Senior) Year - Spring Semester

CHE 420	Advanced Biochemistry	4
	General Elective (IG) (NW)	4
	General Elective	4
	General Elective	4
		<b>Subtotal: 16</b>

CHE 420: (W)

Note: The natural science and math components of the Baccalaureate Experience are fulfilled by courses in the above sequence (*i.e.*, BIO 204, CHE 152, MAT 260).