

**BIOCHEMISTRY (120 credits)**  
8 Semester Graduation Plan

Students are responsible for reviewing and tracking their own progress toward degree requirements. This plan is provided as a general guideline. It DOES NOT reduce the importance of careful discussions between a student and his or her academic advisor and the use of the online [Degree Progress Report](#) program.

**IMPORTANT REMINDERS:**

1. A MINIMUM OF 30 CORE/GENERAL EDUCATION CREDITS MUST BE COMPLETED FROM THE REQUIRED SEVEN AREAS
2. A MINIMUM OF 120 CREDITS WITH AT LEAST 45 UPPER-LEVEL CREDITS ARE REQUIRED TO GRADUATE. UPPER LEVEL COURSES ARE NUMBERED FROM 3000 TO 4999 AT PURCHASE COLLEGE.
3. A MINIMUM OF 60 CREDITS OUTSIDE OF YOUR BOARD OF STUDY ARE REQUIRED TO GRADUATE. THESE COURSES HAVE A 3-LETTER PREFIX OTHER THAN THAT OF YOUR MAJOR.
4. A MAXIMUM OF 4 CREDITS OF PHYSICAL EDUCATION CAN BE APPLIED TO THE DEGREE.

**Year 1**

Fall Semester		
Course		Credits
FRS1030	Freshman Seminar	1
LWR1110	College Writing (Basic Comm Core)	4
CHE1550	General Chemistry I and Lab (NS)	5
MAT1500	Calculus I (Math Core)	4
Elect	Elective	4
<b>Total</b>		<b>18</b>

Spring Semester		
Course		Credits
CHE1560	General Chemistry II and Lab	5
MAT1510	Calculus II	4
Core	Humanities Group	4
Core	Health/Wellness	1
<b>Total</b>		<b>14</b>

**Year 2**

Fall Semester		
Course		Credits
CHE3310	Organic Chemistry	4
CHE3310	Organic Chemistry Lab	1
PHY1510	Intro to Physics 1 and Lab	5
BIO1550	General Biology 1	4
BIO1550	General Biology 1 Lab	1.5
<b>Total</b>		<b>15.5</b>

Spring Semester		
Course		Credits
CHE3320	Organic Chemistry 2	4
CHE3320	Organic Chemistry 2 Lab	1
PHY1520	Intro to Physics II and Lab	5
Core	Social Sciences	3
Elect	Elective	3
<b>Total</b>		<b>16</b>

**Year 3**

Fall Semester		
Course		Credits
CHE4610	Biochemistry	4
CHE4610	Biochemistry Lab	2
BIO3530	Cell Biology	4
Core	Languages and Culture	4
<b>Total</b>		<b>14</b>

Spring Semester		
Course		Credits
CHE3150	Chemical Instrumentation	5
BCM3880	Biochemistry Junior Seminar	2
BIO4620	Molecular Biology	4
Core Elect	General Education Elective	4
<b>Total</b>		<b>14</b>

**Year 4**

Fall Semester		
Course		Credits
BCM4990	Senior Project	4
BCM4880	Biochemistry Senior Seminar I	1
3000/4000	Upper Level Elective	4
Core	Arts	3
3000/4000	Upper Level Elective	3
<b>Total</b>		<b>15</b>

Spring Semester		
Course		Credits
BCM4990	Senior Project	4
BCM4890	Biochemistry Senior Seminar II	1
CHE3510	Physical Chemistry I and Lab (BCM3510 lab)	5
3000/4000	Upper Level Elective	3
Elective	Elective	3
<b>Total</b>		<b>16</b>