

Course No.	Course Title	Credits	Co/Pre-Reqs	Year / Semester Taken	
<input type="checkbox"/>	BIOL 220	General Biology I (with lab)	4	Co-Req: WRIT 101, MATH 141; or permission of department	
<input type="checkbox"/>	BIOL 222	General Biology II (with lab)	4	Pre-Req: BIOL 220 or permission of department	
<input type="checkbox"/>	BIOL/CHEM 441	Biochemistry (with lab)	4	Pre-Req: WRIT 102, BIOL 220/222 & CHEM 319/320	
<input type="checkbox"/>	BIOL 490	Senior Seminar	1	Pre-Req: BIOL/CHEM 441 or BIOL 425	
<input type="checkbox"/>	CHEM 233	General Chemistry I	3	Co-Req: MATH 141 or 210 or exemption & CHEM 234 or permission of department	
<input type="checkbox"/>	CHEM 234	General Chemistry I: Laboratory <i>(required to take concurrently with CHEM 233)</i>	1	Co-Req: CHEM 233	
<input type="checkbox"/>	CHEM 235	General Chemistry II	3	Pre-Req: CHEM 233/234 Co-req: CHEM 236 & MATH 141 or 210 or exemption	
<input type="checkbox"/>	CHEM 236	General Chemistry II: Laboratory <i>(required to take concurrently with CHEM 235)</i>	1	Co-Req: CHEM 235	
<input type="checkbox"/>	CHEM 317	Organic Chemistry I	3.5	Pre-Req: CHEM 235/236 Co-Req: CHEM 318	
<input type="checkbox"/>	CHEM 318	Organic Chemistry I: Laboratory <i>(required to take concurrently with CHEM 317)</i>	1.5	Co-Req: CHEM 317	
<input type="checkbox"/>	CHEM 319	Organic Chemistry II	3.5	Pre-Req: CHEM 317/318 Co-Req: CHEM 320	
<input type="checkbox"/>	CHEM 320	Organic Chemistry II: Laboratory <i>(required to take concurrently with CHEM 319)</i>	1.5	Pre-Req: CHEM 317/318 Co-Req: CHEM 319	
<input type="checkbox"/>	MATH 224	Statistics	3	Pre-Req: MATH 141 or above or permission of department	
<input type="checkbox"/>	PHYS 261	General Physics I (with lab)	4	Pre-Req: MATH 141 or exemption	
<input type="checkbox"/>	PHYS 262	General Physics II (with lab)	4	Pre-Req: PHYS 261	
<input type="checkbox"/>	PSYCH 101	General Psychology	3	Pre-Req: N/A	
<input type="checkbox"/>	SOC 101	Introduction to Sociology	3	Co-Req: WRIT 101	
<b>Biomedical Sciences Major</b>		<b>48</b>			
<b>Electives (30 credits)</b>					
Course No.	Course Title	Credits	Year / Semester Taken		
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<input type="checkbox"/>		3			
<b>Total Number of Credits Required for Graduation</b>		<b>120</b>			

**DIVISION OF THE SCIENCES**  
**8 Semester Academic Plan**  
**B.S. BIOMEDICAL SCIENCE**

(Note: Courses highlighted in red/bolded should be taken in the semester indicated)

Freshman Year- Review your degree; consider adding a minor			
Fall:		Spring:	
NYC Seminar (DS Course)	3	<b>WRIT 101 Writing Seminar I or WRIT 201</b>	3
<b>Math 141 Precalculus I (+ Recitation)</b>	4	<b>BIOL 222 General Biology II</b>	4
<b>BIOL 220 General Biology I</b>	4	<b>CHEM 235 General Chemistry II</b>	3
<b>CHEM 233 General Chemistry I</b>	3	<b>CHEM 236 General Chemistry II Lab</b>	1
<b>CHEM 234 General Chemistry I Lab</b>	1	<b>PSYCH 101 General Psychology**</b>	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>14</b>
Sophomore Year - Begin to explore internship or study abroad opportunities			
Fall:		Spring:	
<b>Writ 102 Writing Seminar II (or elective course if WRIT 201 was taken)</b>	3	DS Course	3
<b>SOC 101 Introduction to Sociology**</b>	3	DS Course	3
<b>Math 224 Statistics</b>	3	<b>CHEM 319 Organic Chemistry II</b>	3.5
<b>CHEM 317 Organic Chemistry I</b>	3.5	<b>CHEM 320 Organic Chemistry II Lab</b>	1.5
<b>CHEM 318 Organic Chemistry I Lab</b>	1.5	Elective/Minor Course	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>
Junior Year- Meet with Career Services or your Advisor to begin exploring graduate school and/or job market opportunities			
Fall:		Spring:	
DS Course/Electives **	3	DS Course/Elective **	3
<b>**BIOL/CHEM 441 Biochemistry</b>	4	AIP Course	3
<b>or</b>	3		
<b>Elective/Minor Course</b>			
<b>PHYS 261 General Physic I</b>	4	AIP Course	3
*Minor/Elective/Science Research	3-4	<b>PHYS 262 General Physics II</b>	4
		Elective/Minor Course	3
<b>Total</b>	<b>14-15</b>	<b>Total</b>	<b>16</b>
Senior Year- Review your graduation requirements; begin applying for jobs and/or graduate school			
Fall:		Spring:	
AIP Course	3	AIP Course	3
AIP Course	3	AIP Course	3
<b>***BIOL/CHEM 441 Biochemistry</b>	4	<b>BIOL 490 Senior Seminar</b>	1
<b>or Elective</b>	3		
*Minor/elective/science research	3	Elective/Minor Course	3
*Minor/elective/science research	3	Elective/Minor Course	3
	3	Elective/Minor Course	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
<h1 style="color: #e91e63; text-decoration: underline;">Important Notes:</h1> <p style="color: #0070c0;">This plan may be subject to change, due to curriculum changes, course availability or advisor modification.</p>			
<ul style="list-style-type: none"> <li>• *Science Research courses (BIOL/CHEM/PHYS 297, 397, 497) are strongly recommended as elective credits.</li> <li>• **Note that if the student has a minor or a double major, PSYCH 101 can count as DS4 and SOC 101 can count as DS5</li> <li>• *** BIOL 441, is offered in alternating years.</li> </ul>			