

**Four Year Model Plan of Study for a Curriculum in Biochemistry**  
**Fall 2010**

First Year			
Fall Semester		Spring Semester	
Engl 160	3 hours	Engl 161	3 hours
Math 180 <sup>1</sup>	5 hours	Math 181	5 hours
Chem 112 or 116 <sup>2</sup>	5 hours	Chem 114 or 118 <sup>3</sup>	5 hours
General Education Requirement Course	3 hours	General Education Requirement Course	3 hours
<b>Total</b>	<b>16 hours</b>	<b>Total</b>	<b>16 hours</b>
Second Year			
Fall Semester		Spring Semester	
Chem 232	4 hours	Chem 234	4 hours
Chem 233	1 hours	BioS 100 or 101	5 hours
BioS 100 or 101	5 hours	Foreign Language	4 hours
Foreign Language	4 hours	Physics 141 (or 105 and 106)	4 (5) hours
General Education Requirement Course	3 hours		
<b>Total</b>	<b>17 hours</b>	<b>Total</b>	<b>17(18) hours</b>
Third Year			
Fall Semester		Spring Semester	
BioS 220	3 hours	Chem 340 <sup>3</sup>	3 hours
Chem 222	4 hours	Chem 314	4 hours
Foreign Language	4 hours	General Education Requirement Course	3 hours
Phys 142 (or 107 and 108)	4(5) hours	Foreign Language	4 hours
<b>Total</b>	<b>15(16) hours</b>	<b>Total</b>	<b>14 hours</b>
Fourth Year			
Fall Semester		Spring Semester	
Chem 452	4 hours	Chem 454 <sup>3</sup>	4 hours
Chem 343	3 hours	Chem 455 <sup>3</sup>	3 hours
Chem 344 <sup>2</sup>	3 hours	BioS elective <sup>4</sup>	3 hours
BioS elective <sup>4</sup>	3 hours	General Education Requirement Course/Elective	3 hours
General Education Requirement Course	3 hours	General Education Requirement Course/Elective	3 hours
<b>Total</b>	<b>16 hours</b>	<b>Total</b>	<b>16 hours</b>

1. Math 180 satisfies the LAS Quantitative Reasoning requirement.

2. Chem 116 and 344 are offered fall semester only.

3. Chem 118, 340, 454, and 455 are offered spring semester only.

4. Two advanced-level courses in Biological Sciences (totaling 6 credit hours), chosen in consultation with a departmental advisor. One must be from the area of cell, molecular biology or microbiology.

Note: Many students prefer to take 452, 454, and 455 in their 3<sup>rd</sup> year.

Note: Students must earn at least 40 advanced hours at a 4-year college or university.