



Sample four-year Schedule to follow for Biochemistry Majors

Freshman Year

Fall	Spring	
Chem 111 (3)	Chem 112 (3)	
Chem 111L (1)	Chem 112 (1)	
Biol 121 (3)	Biol 122 (3)	
Biol 121L (1)	Biol 122L (1)	
Engl 101 (4)	Engl 102 (4)	
Univ 110Q (3)	Math 160 (4)	
15	16	Total 31

Sophomore Year

Fall	Spring	
Chem 331 (3)	Chem 332 (3)	
Chem 331L (1)	Chem 332L (1)	
Biol 350 (3)	Biol 340 (3)	
Biol 350L (1)	Biol 340L (1)	
Phys 205 (3)	Phys 206 (3)	
Phys 205L (1)	Phys 206L (1)	
CE-Psyc 101 (3)	CE-Soc 101 (3)	
15	15	Total 61

Junior Year

Fall	Spring	
Chem 351 (3)	Chem 352 (3)	
Chem 351L (1)	Chem 352L (1)	
Stat 201 (3)	Chem 353 (3)	
Stat 201L (1)	Chem 353L (1)	
ME (4)	CE (6)	
CE (3)		
15	14	Total 90

Senior Year

Fall	Spring	
ME (4)	ME (4)	
CE (12)	CE (10)	
16	14	Total 120

CE- Core curriculum and graduation requirements, or Electives, selected for fun or personal interests, after you have met all degree requirements. Consult catalog for required courses. Note: this sample curriculum is aspirational and can be adjusted to accommodate your level of preparation and other life commitments.

Pre-medicine students preparing for the MCAT exam need to complete SOC 101 and PSYC 101, as indicated in the sample curriculum.

ME- Major Electives for the Biochemistry degree.

Bachelor of Science in Biochemistry

Course Requirements	Course Name	Credit Hours
1. Core Curriculum		38-40
2. Graduation requirements (Univ 110Q and Hist 201 or Poli 201)		3-6
3. Foundation courses*		52-60
<i>Credit for courses taken as part of core curriculum are not counted elsewhere in major.</i>		
Chem 111 & 111L	General Chemistry I*	4
Chem 112 & 112L	General Chemistry II	4
Biol 121 & 121L	Biological Sciences I*	4
Biol 122 & 122L	Biological Sciences II	4
Chem 331 & 331L	General Organic Chemistry I	4
Chem 332 & 332L	General Organic Chemistry II	4
Math 160	Calculus*	4
Stat 201 & 201L	Statistics*	4
Phys 205 & 205L or 211 & 211L	Physics I	4
Phys 206 & 206L or 212 & 212L	Physics II	4
Biol 350 & 350L	Genetics	4
Biol 340 & 340L	Cell Biology	4
Chem 351 & 351L	Biochemistry I	4
Chem 352 & 352L	Biochemistry II	4
Chem 353 & 353L	Physical Biochemistry	4
4. Major electives		12
<i>Must choose at least four credits from each group, for a total of twelve credits.</i>		
<u>Biology</u>		
Biol 330 & 330L	Microbiology	4
Biol 343 & 343L	Comparative Physiology	4
Biol 349 & 349L	Plant Physiology	4
Biol 405 & 405L	Immunology	4
Biol 410 & 410L	Developmental Biology	4
Biol 411 & 411L	Virology	4
Biol 420 & 420L	Neurobiology	4
Biol 432 & 432L	Parasitology	4
Biol 442 & 442L	Advanced Genetics	4
Biol 450 & 450L	Molecular biology	4
Biol 451	Molecular Biology Techniques	4
<u>Chemistry</u>		
Chem 311 & 311L	Inorganic Chemistry	4
Chem 321 & 321L	Quantitative Analysis	4
Chem 422 & 422L	Instrumental Analysis	4
Chem 433 & 433L	Advanced Organic Chemistry	4
Chem 441 & 441L	Physical Chemistry I	4
Chem 442 & 442L	Physical Chemistry II	4
MSCI 355 & 355L	Environmental Toxicology	4
5. General electives		2-15
	Total credit hours	120