

Biochemistry Option: Pre-Med Track

Freshman Year	Credits	
	Fall	Spring
BCH 194 - Seminar/Workshop ¹	1	
Please take one of the following	4	
CHMY 141 - College Chemistry I & CHMY 142 - College Chemistry I Lab		
CHMY 151 - Honors College Chemistry I & CHMY 152 - Honors College Chemistry I Lab		
STAT 216Q - Introduction to Statistics	3	
University Core	7	
BIOB 160 - Principles of Living Systems		4
Please take one of the following		4
CHMY 143 - College Chemistry II & CHMY 144 - College Chemistry II Lab		
CHMY 153 - Honors College Chemistry II & CHMY 154 - Honors College Chemistry II Lab		
M 161Q - Survey of Calculus or M 171Q - Calculus I		4
University Core		3
Year Total:	15	15
Sophomore Year	Credits	
	Fall	Spring
BIOB 260 - Cellular and Molecular Biology or CHMY 311 - Fundamental Analytical Chem	5	
Please take one of the following	4	
CHMY 321 - Organic Chemistry I & CHMY 322 - Organic Chemistry I Lab		
CHMY 331 - Honors Organic Chemistry I & CHMY 332 - Honors Organic Chemistry I Lab		
PHSX 205 - College Physics I or PHSX 220 - Physics I with Calculus	4	
University Core and Electives	3	
BCH 294 - Seminar/Workshop		1
CHMY 311 - Fundamental Analytical Chem ² or BIOB 260 - Cellular and Molecular Biology		4
Please take one of the following		4
CHMY 323 - Organic Chemistry II & CHMY 324 - Organic Chemistry II Lab		
CHMY 333 - Honors Organic Chemistry II & CHMY 334 - Honors Organic Chemistry II Lab		
PHSX 207 - College Physics II or PHSX 222 - Physics II with Calculus		4
University Core and Electives		3
Year Total:	16	16
Junior Year	Credits	
	Fall	Spring
BCH 394 - Seminar/Workshop	1	
BCH 441 - Biochemistry of Macromolecules	3	
BCH 490R - Undergraduate Research	3	

CHMY 361 - Elements of Physical Chemistry & CHMY 362 - Elements of Physical Chemistry Lab	5	
BIOH 320 - Biomedical Genetics	3	
BCH 442 - Metabolic Regulation		3
BCH 444R - Biochemistry & Molecular Biology Methods		3
BCH 490R - Undergraduate Research		3
Biological Science Elective ³		3
University Electives		3
Year Total:	15	15
Senior Year	Credits	
	Fall	Spring
Biological Science Elective ³	3	
University Core/Electives	9	
BCH 494 - Seminar/Workshop		1
BIOB 425 - Adv Cell & Molecular Biology		3
BCH 499 - Senior Thesis/Capstone		1
Biological Science Elective ³		3
University Core/Electives		7 or 8
Year Total:	12	15-16
Total Program Credits:	119-120	

¹BCH 194: Students who transfer into Chemistry from another major or institution may skip BCH 194

² CHMY 311 should be taken either in the spring of the sophomore year or the fall of the junior year.

³Recommended Biological Sciences Electives

Preferably take:

BIOB 410	Immunology	3
or BIOH 323	Human Developmental Biology	

As a less desirable alternative, take: *

BIOH 201 & BIOH 211	Human Anatomy and Physiology I and Human Anatomy and Physiology II	5/4
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*these 2 courses do not count towards the 9 credits of 300+ electives

Additional Biological Sciences Electives

A total of 9 credits of physical and biological science electives numbered 300 or above are required. The following courses may also be substituted for any of the biology courses above, but do not match medical school prerequisites as closely:

BIOH 422	Genes and Cancer	3
BIOM 360	General Microbiology	5
BIOM 400	Medical Microbiology	3
BIOM 431	Medical Bacteriology	3
BIOM 435	Virology	3
NEUR 313	Neurophysiology	3
NEUR 455	Molecular Medicine	3

Recommended University Core & Electives

PSYX 100IS	Intro to Psychology	4
SOCI 101IS	Introduction to Sociology	3
WRIT 101W	College Writing I	3

NOTE: Medical schools with a writing or literature requirement will not waive it for students who placed out of WRIT 101W