

B.A. Degree Biochemistry Option (Pre-Med)

Most of the major requirements are scheduled here to be completed within the first three years in preparation for the MCAT.

Fall - Freshman Year

CHE211	General Chemistry I	3
CHE215	General Chem. Lab I	2
MATH160	Precalculus	5
	Core Area 1 (ENGL 111)	3
	‡Minor <i>if</i> Biology, Bio 211	3
		16

Spring - Freshman Year

CHE212	General Chemistry II	3
CHE216	General Chem. Lab II	2
MATH211	Calculus	4
BIO212	General Biology II	4
	Core Area 1 (ENGL 112)	3
		16

Fall - Sophomore Year

CHE341	Organic I w/Lab	4
PHYS 291	Calc. Physics I	5
CHE321	Quantitative Analysis	4
	Core Area 1 (SPCH 124)	3
		16

Spring - Sophomore Year

CHE342	Organic II w/ Lab	4
PHYS 292	Calc. Physics II	5
	Major Elective ≥ 300*	4
	Proficiency (Computer)	3
		16

Fall - Junior Year

CHE371	Physical Chemistry I	3
CHE481	Biochemistry I	3
	‡Minor (3-credit min)	3
	Core Area 4 (PSY 101)	3
	Core Area 4 or 5 Course	3
		15

Spring - Junior Year

BIO300	Genetics	4
CHE482	Biochemistry II	3
	‡Minor (3-credit min)	3
	Core Area 4 (SOC or ANTH)	3
	†(MCAT April-August)	
		13

Fall - Senior Year

	Major Elective ≥ 300*	3
	‡Minor (3-credit min)	3
	Core Area 5 Course	3
	Prof (Foreign Language 1)	4
	Extended Core (Phys Ed)	1
		14

Spring - Senior Year

	‡Minor (if needed)	3
	Extended Core (Phys Ed)	1
	Core Area 5 Course	3
	Prof (Foreign Language 2)	4
	Extended Core (Literature)	3
		14

*Major Electives are 300+ level courses in BIO or CHEM (6 credits minimum).

Credits

‡Any approved minor will work, but to complete the recommended, 24-credit Biology minor, these 4-credit courses should be added: [Bio 211](#), [301 \(Micro\)](#), [331](#) and [332 \(A&P 1 and 2\)](#).

†MCAT should be taken between April and August at end of junior year for admission to medical school in the fall after senior year. If test and admission dates for other professional medical programs are required, deadlines should be carefully checked.

If [PHYS 151](#) and [152](#) (8 credits) are approved as substitutions for [PHYS 291](#) and [292](#), (10 credits), two additional credits may need to be elected.

Core courses (excluding Sci/Math Areas 2 and 3)	24
Extended Core	5
Proficiencies (Prof)	11
Chemistry Courses in Major	31
Biology Courses in Major	8
Additional Physics and Math Requirements	14
Major CHEM and/or BIO Electives(≥ 300-level)	7
University electives one of which may be Pre Calc	5
Completion of Minor (probably a minimum)	15
Total Degree Credits	120

credits from ≥ 300-level courses from above schedule	32
credits from ≥ 300 level courses either in Core or Minor still needed	13
total credits from ≥ 300 level courses required for graduation	45