

**Bachelor of Science Degree
Biochemistry Major**

**8 Semester Program
Total Hours 120**

Note: Pre-Medicine and Pre-Pharmacy majors may take a slightly different course sequence. See your advisor for details.

First Semester (14 hours) Credit Hrs.

BIOL	2053	Principles of Biology I	3
BIOL	1071	Biological Science/ Principles of Biology I Lab	1
CHEM	1103	General Chemistry I	3
CHEM	1121	General Chemistry I Lab	1
MATH	1043	College Algebra.....	3
ENGL	1013	Composition I.....	3

Second Semester (17 hours) Credit Hrs.

BIOL	2083	Principles of Biology II.....	3
BIOL	2091	Principles of Biology II Lab	1
CHEM	1113	General Chemistry II.....	3
CHEM	1131	General Chemistry II Lab.....	1
ENGL	1023	Composition II.....	3
MATH	1033	Trigonometry.....	3
		Gen. Ed. Social Science Requirement	3

Third Semester (16 hours)..... Credit Hrs.

BIOL	3354	Genetics w/Lab.....	4
CHEM	3404	Organic Chemistry I w/Lab.....	4
MATH	2255	Calculus I	5
		Gen. Ed. Communication Requirement.....	3

Fourth Semester (14 hours)..... Credit Hrs.

BIOL	3363	Cell Biology	3
BIOL	3553	Microbiology	3
BIOL	3561	Microbiology Lab.....	1
CHEM	3414	Organic Chemistry II w/Lab.....	4
		Gen. Ed. American History or Government	3

*Note: Completion of Botany and Zoology with labs completes a minor in Biology

Completion of Botany, Zoology, Vertebrate Physiology, Evolution, and Comparative Anatomy with all labs completes a second major in Biology. If completing a second major, a minor is not required

Fifth Semester (14 hours) Credit Hrs.

CHEM	4633	Biochemistry I.....	3
PHYS	2203	College Physics I.....	3
PHYS	2231	College & University Physics Lab	1
		Gen. Ed. Social Science Requirement	3
		Minor Requirement or Elective	4

Sixth Semester (17 hours)..... Credit Hrs.

CHEM	4643	Biochemistry II.....	3
CHEM	4731	Biochemistry Lab	1
PHYS	2213	College Physics II.....	3
PHYS	2241	College & University Physics II Lab.....	1
		General Education Humanities Requirement	3
		Gen. Ed. Fine Arts Appreciation Requirement.....	3
		Minor Requirement or Electives	3

Seventh Semester (16-17 hours)..... Credit Hrs.

CHEM	3314	Quantitative Analysis w/Lab	4
		BIOL or CHEM Elective (3000-4000 Level)*	
		*will not count toward a second major.....	3/4
		Minor Requirement or Electives	9

Eighth Semester (12-17 hours)..... Credit Hrs.

CHEM	3424	Elements of Physical Chemistry w/Lab.....	4
CHEM	4742	Advanced Lab Techniques (see catalog for other options).....	2
		Electives as needed to reach 40 hours 3000-4000 Level and 120 hours.....	6-11

