

Biology Major/Biomedical Sciences Option, Chemistry Minor

Note: This plan outlines one strategy for completing all degree requirements in four years. Often classes can be rearranged – consult your advisor for assistance. Also, other minors may be chosen, depending on career and other interests.

Semester 1 (Fall)	Cr.	Semester 2 (Spring)	Cr.
BIOL 110, Freshman Colloquium	1	General Education SB ²	3
BIOL 150, General Biology	3	General Education HF	3
General Education CA (ENGL 100)	3	MATH 216, Elementary Statistical Concepts ³	3
MATH 147, College Algebra & Trigonometry ¹	3	General Education HW (P ED 108)	1
CHEM 121, General Chemistry I	5	CHEM 122, General Chemistry II	5
Total semester credits	15	Total semester credits	15
Semester 3 (Fall)		Semester 4 (Spring)	
BIOL 230, Zoology	3	BIOL 240, Cell and Molecular Biology	3
CHEM 231,236, Organic Chemistry I & Lab	4	CHEM 232,237, Organic Chemistry II & Lab	4
General Education CA (ENGL 200)	3	General Education CS	3
General Education HF	3	Biology elective	2
Physical education activity	0.5	General education SB	3
Total semester credits	13.5	Total semester credits	16
Semester 5 (Fall)		Semester 6 (Spring)	
BIOL 341, Anatomy & Physiology I	4	BIOL 342, Anatomy & Physiology II	4
CHEM 361, Biochemistry I	3	CHEM 362, Biochemistry II ⁴	3
PHYS 151, 156, General Physics I & Lab	5	PHYS 152, 157, General Physics II & Lab ⁵	5
Global Perspectives	3	Liberal Arts ⁶	3
Physical education activity	0.5		
Total semester credits	15.5	Total semester credits	15
Semester 7 (Fall)		Semester 8 (Spring)	
BIOL 350, Genetics	3	BIOL 410, Senior Colloquium	1
Biology elective	4	BIOL 481, Seminar	1
General Education EC	3	Biology Elective	3
General Education MD	3	Biology Elective	3
American Cultural Diversity	3	Liberal Arts	3
Total semester credits	16	Total semester credits	14

¹Your math placement score will determine which math course you start with. MATH 147 is the minimum requirement for the biology major, but some graduate or professional programs may require at least one semester of calculus. If you are planning to take calculus (MATH 166), then MATH 149 (Pre-calculus) should be taken instead of MATH 147.

²See <http://www.uwrf.edu/registrar/GeneralEducation.htm> for the most recent list of General Education courses.

³Other courses that satisfy the statistics requirement for the biology major include MATH 226, MATH 326, and ANSC 314. MATH 216 double-counts as a Liberal Arts course.

⁴Taking CHEM 362 will yield 24 credits of Chemistry for the minor. Only 22 cr. are required for the minor, so a 1 or 2 cr. course may be taken instead. However, a full year of biochemistry is required for many professional schools.

⁵Only one semester of physics is required for the major. However, many graduate and professional schools require a full year.

⁶Three Liberal Arts courses are required. Other requirements, such as MATH 216, and some Global Perspectives and American Cultural Diversity courses, double count as Liberal Arts Courses. See <http://www.uwrf.edu/cas/> for a list of Liberal Arts courses.