

Four-Year Model Plan:
Bachelor of Science degree in Biology – Biomedical Emphasis

Fall		Spring	
ENGL 101 College English I	3	ENGL 102 College English II	3
MATH 111 College Algebra	3	MATH 123 Trigonometry	3
CHEM 211 General Chemistry I	5	BIOL 210 General Biology I	4
General Education Humanities ¹	3	CHEM 212 General Chemistry II	5
Open elective	1		
	15		15
Fall		Spring	
BIOL 211 General Biology II	4	BIOL 420 Molecular Cell Biology	4
CHEM 531 Organic Chemistry I	5	CHEM 532 Organic Chemistry II	5
General Education Social and Behavioral Science*	3	COMM 111 Public Speaking	3
General Education Fine Arts	3	General Education Social and Behavioral Science*	3
	15		15
Fall		Spring	
BIOL 419 Genetics	4	BIOL 330, BIOL 502, 503, 523, 524 or 528	4 - 5
Physics 213 General College Physics I	5	BIOL 497 Biology Colloquium or BIOL 499 UG Research	2
General Education Humanities*	3	PHYS 214 General College Physics II	5
Upper Division General Education S&B Science	3	Open Elective	3
	15		14 - 15
Fall		Spring	
BIOL 418 General Ecology	4	Biology Elective	4
Biology Elective	4	Biology Elective	3
CHEM 661 Introduction to Biochemistry (CHEM Minor)	3	Biology Elective	3
Upper Division General Education HUM	3	Open Elective	3
Open Elective	1	Open Elective	2 - 3
	15		15 – 16

*Fairmount College of Liberal Arts and Sciences requires all students to complete Literature and either U.S. History or American Politics

¹ All incoming freshman are required to take one First-Year Seminar as part of their General Education program.

The major requires a minimum of 40 hours of Biology coursework. Please consult your biology advisor.