

Four-Year Model Plan:  
**Bachelor of Science, Field Major in Biology – Biochemistry**

<b>Fall</b>		<b>Spring</b>	
ENGL 101 College English I	3	ENGL 102 College English II	3
MATH 112 Pre-calculus	5	BIOL 210 General Biology I	4
CHEM 211 General Chemistry I	5	CHEM 212 General Chemistry II	5
General Education Humanities* <sup>1</sup>	3	COMM 111 Public Speaking	3
	16		15
<b>Fall</b>		<b>Spring</b>	
BIOL 211 General Biology II	4	BIOL 420 Molecular Cell Biology	4
CHEM 531 Organic Chemistry I	5	CHEM 532 Organic Chemistry II	5
Physics 213 General College Physics I	5	General Education Social and Behavioral Science*	3
	14	PHYS 214 General College Physics II	5
			17
<b>Fall</b>		<b>Spring</b>	
BIOL 419 Genetics	4	CHEM 663 Biochemistry II	3
Biochemistry elective**	3	CHEM 664 Biochemistry Lab	3
CHEM 662 Biochemistry I	3	General Education Humanities*	3
CHEM 523 Analytical Chemistry	4	General Education Social and Behavioral Science*	3
	14	Upper Division General Education S&B Science	3
			15
<b>Fall</b>		<b>Spring</b>	
BIOL 666 or CHEM 666 – Special Topics in Biochemistry	3	Biochemistry elective**	3
BIOL 669 or CHEM 669 – Research	2	Biochemistry elective**	3
Biochemistry Elective**	3	Biochemistry Elective**	3
Biochemistry Elective**	3	Biochemistry Elective**	3
General Education Fine Arts	3	Upper Division General Education Humanities	3
	14		15

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

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

\*\*Credit hours of elective courses differ based on selection – major requires 21 hours of biochemistry electives. Please consult your biology advisor.