

Four-Year Model Plan:  
**Bachelor of Science degree in Physics**

<b>Fall</b>		<b>Spring</b>	
ENGL 101 College English I	3	ENGL 102 College English II	3
CHEM 211 General Chemistry I	5	COMM 111 Public Speaking	3
MATH 242 Calculus I	5	MATH 243 Calculus II	5
General Education Humanities* <sup>1</sup>	3	PHYS 313/315 Physics for Scientist I/lab	5
	16		16
<b>Fall</b>		<b>Spring</b>	
CHEM 212 General Chemistry II	5	PHYS 551 Modern Physics	3
PHYS 314/316 Physics for Scientist II/lab	5	PHYS 517 Electronics Laboratory	2
MATH 344 Calculus III	3	MATH 555 Differential Equations	3
Biology	3	General Education Fine Arts	3
	16	Elective	1
			12
<b>Fall</b>		<b>Spring</b>	
PHYS 641 Thermophysics	3	PHYS 616 Computational Physics	2
PHYS 651 Quantum Mechanics	3	Physics Elective	3
PHYS 516 Advanced Physics Lab	2	Directed Math Elective	3
General Education Social and Behavioral Science*	3	General Education Social and Behavioral Science*	3
Elective	3	Elective	3
	14		16
<b>Fall</b>		<b>Spring</b>	
PHYS 621 Analytical Mechanics	3	PHYS 631 Electricity & Magnetism	3
Physics Elective	3	Physics Elective	3
General Education Humanities*	3	Upper Division General Education Humanities	3
Upper Division General Education S&B Science	3	Elective	3
Elective	3	Elective	3
	15		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.