

Professional Option

Freshman Year	Credits	
	Fall	Spring
PHSX 240 - Honors Gen & Mod Phys I*	4	
M 181Q - Honors Calculus I (Recommended) or M 171Q - Calculus I	4	
University Core and Electives	7	
PHSX 242 - Honors Gen & Mod Phys II*		4
M 182 - Honors Calculus II (Recommended) or M 172 - Calculus II		4
University Core and Electives		7
Year Total:	15	15

Sophomore Year	Credits	
	Fall	Spring
PHSX 224 - Physics III	4	
M 283 - Honors Multivariable Calculus (Recommended) or M 273 - Multivariable Calculus	4	
PHSX 261 - Laboratory Electronics I	3	
University Core and Electives	4	
PHSX 262 - Laboratory Electronics II		2
PHSX 301 - Mathematical Methods in the Physical Sciences		3
M 284 - Honors Introduction to Differential Equations (Recommended) or M 274 - Introduction to Differential Equation		4
University Core and Electives		5
PHSX 200 - Research Programs in Physics		1
Year Total:	15	15

Junior Year	Credits	
	Fall	Spring
PHSX 320 - Classical Mechanics	3	
PHSX 331 - Methods of Computational Physics	2	
PHSX 343 - Modern Physics	3	
PHSX 490R - Undergraduate Research	1	
Math Electives	3	
University Core and Electives	3	
PHSX 423 - Electricity and Magnetism I		3
PHSX 446 - Thermodynamics & Statistical Mechanics		3
Math Electives		3
Physics Electives		3
University Core and Electives		3
Year Total:	15	15

Senior Year	Credits	
	Fall	Spring
PHSX 425 - Electricity and Magnetism II	3	
PHSX 461 - Quantum Mechanics I	3	
PHSX 444 - Advanced Physics Lab	4	
PHSX 490R - Undergraduate Research	1	
University Core and Electives	4	
PHSX 462 - Quantum Mechanics II		3
PHSX 499R - Senior Capstone Seminar		1
Physics Electives		4

University Core and Electives		7
Year Total:	15	15
Total Program Credits:		120

* See note below on substitutions.

The 6 credits of mathematics electives are to be selected from M 221 and M and STAT courses numbered 300 and above. The 7 credits of physics electives are to be selected from PHSX courses numbered 300 and above and ASTR courses numbered 372 and above. The physics elective can include no more than 1 credit of PHSX 494, 3 credits of PHSX 492, 3 credits of PHSX 490R, or 4 credits of the combination of PHSX 494, PHSX 492, and PHSX 490R. PHSX 401, PHSX 402, and PHSX 403 can not be counted towards physics electives. A minimum of 120 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above. A student changing majors or with unusual circumstances can substitute PHSX 220 for PHSX 240 or PHSX 222 for PHSX 242 with academic advisor's approval.