

# Interdisciplinary 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	3	
Minor Specific Courses	4	
PHSX 242 - Honors Gen & Mod Phys II*		4
M 182 - Honors Calculus II (Recommended) or M 172 - Calculus II		4
Minor Specific Courses		4
University Core		3
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	
Minor Specific Courses	3	
University Core	1	
PHSX 200 - Research Programs in Physics		1
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
Minor Specific Courses		3
University Core		2
Year Total:	15	15

Junior Year	Credits	
	Fall	Spring
PHSX 320 - Classical Mechanics	3	
PHSX 343 - Modern Physics	3	
Physics Electives	2	
Minor Specific Courses	4	
University Core	3	
PHSX 423 - Electricity and Magnetism I		3
PHSX 490R - Undergraduate Research		1
Minor Specific Courses		5
Math Electives		3
University Core		3
Year Total:	15	15

Senior Year	Credits	
	Fall	Spring
PHSX 461 - Quantum Mechanics I	3	
PHSX 490R - Undergraduate Research	1	
Physics Electives	3	
Minor Specific Courses	3	
Electives	5	
PHSX 499R - Senior Capstone Seminar		1

Electives	7
Minor Specific Courses	4
University Core	3
Year Total:	15
<b>Total Program Credits:</b>	<b>120</b>

\* The 3 credits of mathematics electives are to be selected from M 221 and MATH and STAT courses numbered 300 and above. The 5 credits of physics electives are to be selected from PHSX courses numbered 300 and above and ASTR courses number 372 and above. The physics electives can include no more than 1 credit of PHSX 494 or 3 credits of PHSX 492. PHSX 401, PHSX 402, PHSX 403, and PHSX 490R 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 the academic advisor's approval.