

# PHYSICS MINOR

## Minor - Physics

### Summary

Code	Title	Hours
Required Lower-Division Courses		10
Upper-Division Core Course		3
Elective Courses		11
<b>Total Hours</b>		<b>24</b>

Degree Specific Credits: 24

Required Cumulative GPA: 2.0

**Note:** Mathematics prerequisites for the physics minor are M 171, M 172, M 273, (and M 221 if needed).

### Required Lower-Division Courses

**Note:** The Physics with Calculus series (PHSX 215N - PHSX 218N) is strongly recommended.

Code	Title	Hours
<b>Complete one of the following Physics sequences:</b>		<b>10</b>
<b>Algebra- and Trigonometry-based Physics:</b>		
PHSX 205N & PHSX 206N	College Physics I and College Physics I Laboratory	
PHSX 207N & PHSX 208N	College Physics II and College Physics II Laboratory	
<b>Calculus-based Physics (strongly recommended):</b>		
PHSX 215N & PHSX 216N	Fundamentals of Physics with Calculus I and Physics Laboratory I with Calculus	
PHSX 217N & PHSX 218N	Fundamentals of Physics with Calculus II and Physics Laboratory II with Calculus	
<b>Total Hours</b>		<b>10</b>

Minimum Required Grade: C-

### Upper-Division Core Course

Code	Title	Hours
<b>Complete the following course:</b>		
PHSX 301	Intro Theoretical Physics	3
<b>Total Hours</b>		<b>3</b>

Minimum Required Grade: C-

### Elective Courses

Code	Title	Hours
<b>Complete 11 credits of the following courses, 8 of which must be upper-division:</b>		<b>11</b>
PHSX 141N	Einstein's Relativity	
PHSX 291	Special Topics	
PHSX 311	Oscillations and Waves	

PHSX 320	Classical Mechanics	
PHSX 323	Intermediate Physics Lab	
PHSX 327	Optics	
PHSX 330	Communicating Physics	
PHSX 333	Computational Physics	
PHSX 343	Modern Physics	
PHSX 423	Electricity & Magnetism I	
PHSX 444	Advanced Physics Lab	
PHSX 446	Thermodynamics & Statistical Mechanics	
PHSX 461	Quantum Mechanics I	
PHSX 462	Quantum Mechanics II	
<b>Total Hours</b>		<b>11</b>

Minimum Required Grade: C-