

# PHYSICS MINOR

## Program Requirements

Code	Title	Credits
<b>Required Courses</b>		
PHYS 191	University Physics I	4
PHYS 192	University Physics II	4
PHYS 230	Intermediate Physics Laboratory	4
PHYS 210	Intermediate Mechanics	3
or PHYS 220	Oscillations, Waves, and Optics	
PHYS 320	Statistical and Thermal Physics	3
or PHYS 340	Electricity and Magnetism	
or PHYS 360	Modern Physics	
<b>Elective</b>		
Select one course from the following (not taken above):		3-4
PHYS 180	Astronomy for Everyone	
PHYS 210	Intermediate Mechanics	
PHYS 220	Oscillations, Waves, and Optics	
PHYS 245	Fundamentals of Electronics	
PHYS 280	Astronomy for Physicists	
PHYS 310	Advanced Mechanics	
PHYS 320	Statistical and Thermal Physics	
PHYS 325	Computational Physics	
PHYS 330	Advanced Physics Laboratory	
PHYS 340	Electricity and Magnetism	
PHYS 341	Electronics and Digital Circuits	
PHYS 350	Modern Optics	
PHYS 360	Modern Physics	
PHYS 368	Fluid Mechanics	
PHYS 377	Mathematical Physics	
PHYS 380	Observational Astronomy	
PHYS 399	Special Topics in Physics	
PHYS 451	Radiation and Medical Physics	
PHYS 461	General Relativity	
PHYS 462	Nuclear Physics	
PHYS 464	Quantum Mechanics	
PHYS 470	Solid State Physics	
PHYS 480	Astrophysics	
PHYS 495	Research or Independent Study in Physics	
<b>Total Credits</b>		<b>21-22</b>

### Collateral Courses

Code	Title	Credits
These credit hours are not counted in the minor total. MATH 122/AMAT 120 and MATH 221/AMAT 220 are required prerequisites. MATH 222 is optional, but is a prerequisite for some physics courses.		
MATH 122	Calculus I	4
or AMAT 120	Applied Calculus A	
MATH 221	Calculus II	4
or AMAT 220	Applied Calculus B	
MATH 222	Calculus III	4