

PHYSICS MINOR

Regulations Governing Minor Course Work

1. There shall be a minimum of 18.0 credit hours with a minimum Millersville QPA of 2.0.
2. Only one course which counts toward your major may be counted toward your minor.
3. Courses that count toward a minor are also eligible to be used to satisfy the current University-wide General Education requirements subject to normal distribution requirements.
4. At least two courses should be at the upper-division level (300-400). Exceptions may be requested upon evidence of program depth.
5. No course needed for the minor may be taken Pass-Fail.
6. One-half or more of the work required for the minor must be completed at Millersville University.
7. No student may minor in his or her major.

Minor in Physics

Code	Title	Hours
Completion of the Calculus sequence (MATH 161, 211, 311) is a prerequisite for the minor in Physics.		
PHYS 231	Physics 1 with Calculus	5
PHYS 232	Physics 2 with Calculus	5
PHYS 233	Wave-Particle Theory	3
PHYS 334	Macroscopic Physics	3
Physics Elective Course - Choose 1 of the following:		2-3
PHYS 311	Mechanics 1	
PHYS 317	Introduction to Astronomy	
PHYS 321	Electromagnetic Fields 1	
PHYS 331	Fundamentals of Optics	
PHYS 395	Techniques of Mathematical Physics	
PHYS 431	Solid State Physics	
PHYS 435	Statistical Mechanics	
PHYS 471	Quantum Mechanics	
Total Hours		18-19