

# PHYSICS MINOR

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Although this minor is particularly suitable for students in the physical or life sciences as well as in engineering, it will also serve other students who have the appropriate First-Year/Sophomore calculus-based physics preparation. The minor introduces the students to the core concepts in mechanics, electricity and magnetism, thermal physics, and quantum physics, and provides further opportunities to study laser physics, optics, nuclear and particle physics, and astrophysics.

## Requirements

The minor requires a minimum of fifteen credits of 2000-level or higher course work.

Course	Title	Credits
<b>Required Courses</b>		
PHYS 2501W or PHYS 3101	Advanced Undergraduate Laboratory Mechanics I	3-4
PHYS 3201 or ECE 3001 or PHYS 3202	Electricity and Magnetism I Electromagnetic Fields and Waves Electricity and Magnetism II	3
PHYS 2300 or PHYS 3300 or PHYS 3401	The Development of Quantum Physics Statistical and Thermal Physics Quantum Mechanics I	3
<b>Elective Courses</b>		
Six credits from PHYS 2000-level or higher courses, other than the ones already taken above, with no more than three credits from:		6
PHYS 4096W	Research Thesis in Physics	
PHYS 4099	Independent Study	
<b>Total Credits</b>		<b>15-16</b>

The minor is offered by the Physics Department.