

PHYSICS MINOR

Co-Directors of Undergraduate Studies

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Faculty

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Physicists idealize the behavior of matter and energy in terms of mathematical representations called the “fundamental laws of nature” and seek to explain the properties of nuclei, atoms, molecules, and systems of these particles (gases, liquids, crystals, etc.). Undergraduate courses provide a background in classical physics, quantum mechanics, and laboratory techniques.

The physics minor provides students a foundation of quantitative, logic, and problem-solving skills using physics as a base. The minor offers a wide array of specialty courses from quantum physics and astronomy to biophysics and computational physics. A physics minor is a strong supplement to any major. Students with technical focus will gain a broader understanding of the fundamental principles that are applied in their field of study, while students with non-technical background will gain a substantial base of knowledge in the physical sciences alongside their other work. All students will benefit from the critical reasoning and rigorous problem-solving skills developed in the study of physics.

Other information about physics can be found on the Internet at physics.syr.edu (<http://physics.syr.edu/>).

Minor Requirements

To complete a minor in physics, students take 20 credits in physics.

Code	Title	Credits
PHY 215 or PHY 211	General Physics I for Scientists General Physics I	3
PHY 216 or PHY 212	General Physics II for Scientists General Physics II	3
PHY 221	General Physics Laboratory I	1
PHY 222	General Physics Laboratory II	1
Select an additional 12 credits of coursework numbered 300 or above is required		12
Total Credits		20