Physics

Physics students learn how the natural world works. The laboratory, math and problem-solving skills they pick up are great for the job market. Physics majors teach, work on Wall Street, and serve in the military. They also perform well on the admission tests for law and medical schools.

There are several physics degree programs from which to choose:

- Bachelor of Arts in Physics,
- Bachelor of Science in Physics,
- Bachelor of Science in Biophysics,
- Bachelor of Science in Physics with Teaching,
- Bachelor of Science in Mathematics & Physics, and
- Bachelor of Science in Computer Science & Physics

The Bachelor of Arts in Physics is designed for those who are planning for a non-research career in a field which nevertheless has an important science component. Examples include patent law, environmental law enforcement, medicine or sales or management in a high-technology industry.

The Bachelor of Science in Physics provides strong preparation for those wishing to attend graduate school in physics or related disciplines and is recommended for those who intend to enter the scientific workforce upon completion of a bachelor's degree.

The Bachelor of Science in Biophysics fulfills all medical and pharmacy school requirements. Biophysics students interested in research careers can pursue a graduate degree in biophysics, biology, molecular biology or neuroscience, as well as the combined MD/PhD degree in medical physics, health physics or nuclear medicine.

The Bachelor of Science in Physics with Teaching program is aimed at students interested in teaching physics at the high school level. This program satisfies Pennsylvania's teacher certification requirements.

The Bachelor of Science in Mathematics & Physics (jointly administered with Mathematics department), is an interdisciplinary program providing a foundation in physical sciences with a strong emphasis on the mathematical techniques needed for analysis and modeling. It prepares the student for science or analysis careers which use these math tools along with problem-solving skills.

The Bachelor of Science in Computer Science & Physics (jointly administered with Computer & Information Science department) is intended for students with dual interests in physics and computer science who wish to complete the essential courses for both majors within their normal four-year career. The program will prepare students for a career in a computer related field and/or physics research.

Five-year combined bachelor's and master's programs are also available.

Undergraduate Contact Information:

Dr. James Napolitano, Chair  
Science Education and Research Center, Room 406  
215-204-1638

Dr. Bernd Surrow, Vice Chair  
Science Education and Research Center, Room 420  
215-204-1638

Dr. Zbigniew Dziembowski, Faculty Advisor (Last names A-K)  
Science Education and Research Center, Room 412  
215-204-7639  
zbig.dziembowski@temple.edu

Dr. Tan Yuen, Faculty Advisor (Last names L-Z)  
Science Education and Research Center, Room 409  
215-204-5182  
tan.yuen@temple.edu

Programs

- Biophysics, B.S. (http://bulletin.temple.edu/undergraduate/science-technology/physics/biophysics-bs)
• Physics, B.A. (http://bulletin.temple.edu/undergraduate/science-technology/physics/physics-ba)
• Physics, B.A./M.Ed. (http://bulletin.temple.edu/undergraduate/science-technology/accelerated-programs/physics-ba-med/#physics)
• Physics, B.A./M.S. (http://bulletin.temple.edu/undergraduate/science-technology/accelerated-programs/physics-ba-ms/#physics)
• Physics, B.S. (http://bulletin.temple.edu/undergraduate/science-technology/physics/physics-bs)
• Physics, B.S./M.Ed. (http://bulletin.temple.edu/undergraduate/science-technology/accelerated-programs/physics-bs-med/#physics)
• Physics, B.S./M.S. (http://bulletin.temple.edu/undergraduate/science-technology/accelerated-programs/physics-bs-ms/#physics)
• Physics, Minor (http://bulletin.temple.edu/undergraduate/science-technology/physics/physics-minor)