Department of Physics and Astronomy

The department of physics and astronomy offers major and minor programs in physics and a minor in astronomy. The department of physics and astronomy also has a second major curriculum for engineering majors.

- **Major**
  - Physics (BS)
- **Minors**
  - Physics
  - Astronomy

Physics Major for College of Engineering Students

The department of physics and astronomy also has a second major curriculum for engineering majors. This combination of fundamental and applied physics can be highly advantageous when the graduate enters the job market. For more information, contact the department of physics and astronomy.

Chair and Professor
- White, Raymond E. III

Professors
- Piepke, Andreas G.
- Stancu, Ion
- Busenitz, Jerome K.
- Buta, Ronald J.
- Butler, William H.
- Harms, Benjamin C.
- Harrell, J.W.
- Keel, William C.
- Mankey, Gary J.
- Schad, Rainer
- Sarker, Sanjoy
- Stern, Allen B.

Associate Professors
- Mryasov, Oleg
- LeClair, Patrick
- Mewes, Tim

Assistant Professors
- Mewes, Claudia
- Henderson, Conor
- Bailin, Jeremy
- Irwin, Jimmy
- Rumerio, Paolo
- Okada, Nobuchika
- Townsley, Dean M.
- Williams, Dawn R.

AY
- **Hours**
- 3
- Intro To Astronomy

This course surveys the development of our current understanding of the Universe, including our Solar System, exoplanets, stars and stellar evolution (including white dwarfs, neutron stars, black holes, and supernovae), galaxies and cosmology (dark matter, dark energy, the Big Bang, the accelerating universe, supermassive black holes), and life in the Universe. NOTE: If the student plans to apply AY 101 toward satisfaction of the N requirement of the University Core Curriculum, AY 102 must also be taken.

PH
- **101**
- Hours
- 4
- General Physics I

Lectures and laboratory. An algebra-based introductory course including classical mechanics and thermodynamics. Topics include: kinematics, Newtonian dynamics, conservation of energy and momentum, rotational motion, oscillations and waves, kinetic theory of gases, and thermodynamics. Degree credit can only be awarded for one of the following: PH 101, PH 105, or PH 125.

Prerequisite(s): MATH 113 or MATH 115 or MATH 125 or MATH 145

View All Courses

Faculty

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