



“A Best Midwestern College”
The Princeton Review 2008

Department of Physics

World of Opportunities

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Department of Physics

Undergraduate Programs

B.S. PHYSICS

Taken by students interested in a career in college research and teaching, and in industry and government research.

B.S. PHYSICS (HONORS)

Provides superior students with a program that offers greater creativity and intellectual challenge.

B.S. PHYSICS — BIOLOGY OPTION

Designed for students who plan a physics career in a biology-related setting or who want to pursue a graduate degree in biomedical engineering, biophysics, and medical physics.

B.S. PHYSICS — GEOPHYSICS OPTION

Designed for students who plan a physics career in a geology-related setting or who want to pursue a graduate degree in geophysics.

B.S. PHYSICS — COMPUTING OPTION

Designed for students who plan a physics career in a programming-related field.

DUAL B.S. PHYSICS/MATH

Designed for students majoring in physics and who wish to gain a strong background in mathematics.

B.A. PHYSICS

A flexible program for students who desire a solid foundation in physics, with opportunities for other interests and majors.

B.A. PHYSICS EDUCATION — PHYSICS OPTION

For students who wish to teach Physics in Ohio public high schools.

B.A. PHYSICS EDUCATION — EARTH SCIENCE/PHYSICS OPTION

For students who wish to teach Earth Sciences/Physics in Ohio public high schools.

B.A. PHYSICS EDUCATION — LIFE SCIENCE/PHYSICS OPTION

For students who wish to teach Life Sciences/Physics in Ohio public high schools.

PHYSICS MINOR

Student majoring in another department may earn a minor in physics. Can help prepare students for an interdisciplinary graduate program or serve as a supportive credential for employment.

ENGINEERING PHYSICS

An interdisciplinary program offered jointly with Electrical Engineering. Designed to prepare students for employment in engineering with emphasis on research and development.

Other Department Information

The department averages 25 undergraduate physics, 25 engineering physics and 15 graduate students. There is an active chapter of the Society of Physics Students.

Classes tend to be small with individualized attention from faculty.

There are 15 full-time faculty and four research faculty. This includes: an American Geophysical Union fellow, an NSF CAREER recipient, an Ohio Board of Regents Teaching fellow, five female faculty, and 15 faculty with Ph.D.'s.

Research Areas

The main research areas within the Department are: biophysics, geophysics, materials and nanotechnology, and physics education.

Life After WSU

About half of our graduates join a PhD program at schools such as MIT, OSU and University of California. Examples of what some of our alumni do: consultant for Union Carbide, research scientist at Los Alamos National Lab, NASA Glenn and Wright-Patterson AFB, teacher at Ann Arbor Public Schools, systems analyst at The Boeing Company, and professor at University of Utah..

High School Preparation

Students who plan to major in physics should complete a college preparatory program in high school. Recommended courses include English, chemistry, physics, and four years of college preparatory mathematics.

Admission

Prospective students can find detailed information at the following site: <http://www.wright.edu/prospective/>

Financial Aid

Financial aid information is available at: <http://www.wright.edu/admissions/finaid/typesofaid/>

The department offers a number of partial scholarships to current students. Numerous opportunities exist for co-ops and internships at Wright-Patterson AFB and with area companies.