



Department of Physics

The Department of Physics offers three majors and a minor. All majors lead to a Bachelor of Arts degree. The department also offers a minor in physics.

Students completing a major in physics will:

- Have a working knowledge of the content of physics;
- Develop expertise in the techniques of doing physics;
- Develop skills in reading, writing, and presenting physics concepts and research/engineering results;
- Actively engage in a community of scholars;
- Think critically and creatively as scientists.

About the Majors

All students intending to complete a major in physics should have a member of the physics faculty as their academic advisor by the end of their first year.

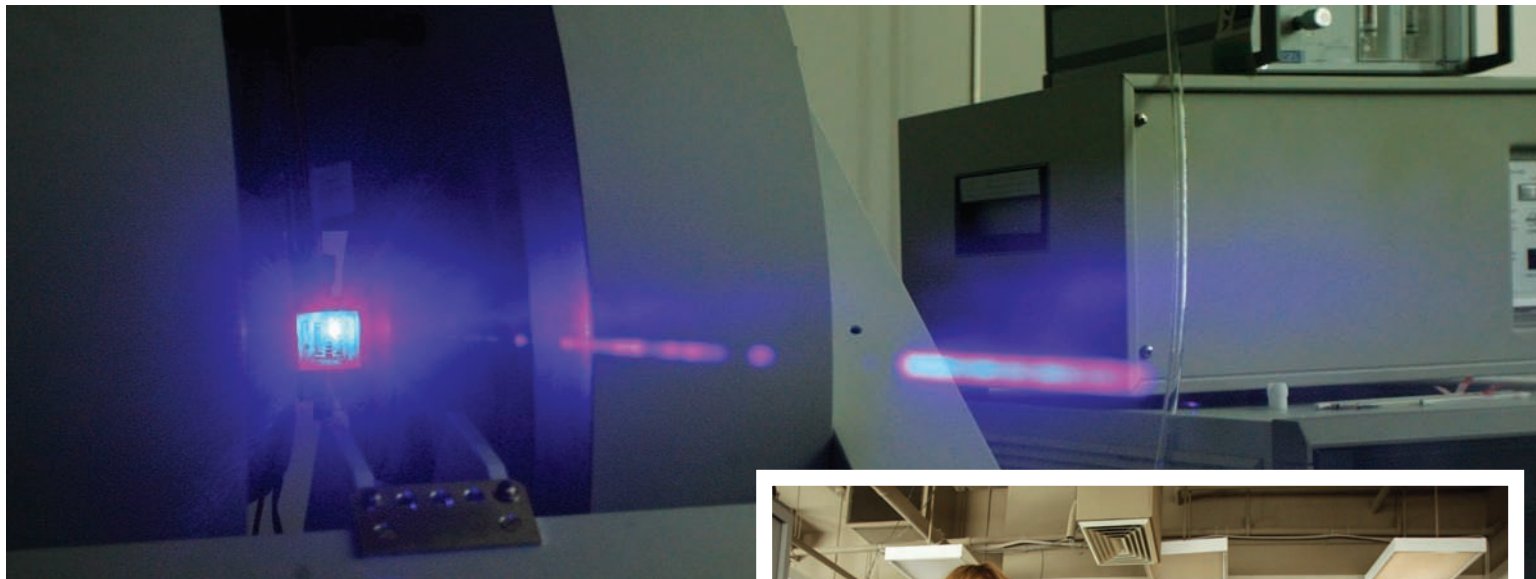
Physics Education

The Physics Education major is designed for students who are interested in real-world applications of physics and who wish to teach that subject in high school. Students will complete a thorough grounding in the range of physics theories and substantial work in which those theories are applied in practice.

Students double majoring in physics education and secondary education may receive certification to teach physics in grades 9-12 in the State of Missouri. A certification program has been approved by the Missouri Department of Elementary and Secondary Education. A Student Handbook providing requirements for all certification programs can be obtained from the Department of Education.

Science and Technology Management with Emphasis in Physics

This B.A. program prepares graduates for employment in sales and marketing in high-technology industries with the skills to progress to management-level positions. Graduates have the background and experience to understand the manufacture and operation of high-technology products. In addition,



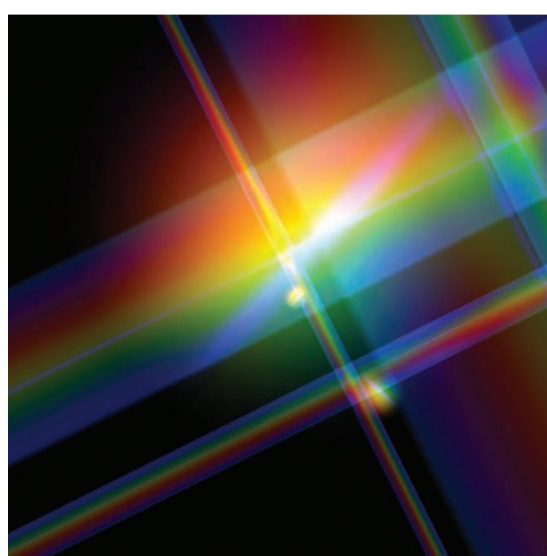
they have the marketing and organizational behavior skills necessary to operate successfully in the world of business. These skills are combined with the interpersonal and leadership skills of the liberal arts education.

About the Minor

Students pursuing majors in other disciplines who also have an interest in physics may choose to minor in physics. For specific recommendations consistent with your personal goals, please consult with one of the physics faculty.

Dual-Degree Engineering Curriculum

Physics majors in the 3-2 plan of engineering with Vanderbilt University, Washington University in St. Louis, Columbia University in New York, or the University of Kansas should complete the requisite courses at William Jewell College. For students who expect to enter an engineering school upon graduation, the pre-engineering curriculum, plus a major in physics, mathematics or chemistry, is appropriate (depending upon the type of engineering—electrical, civil, mechanical, chemical). Further information is available in the Pre-Professional Programs section of the William Jewell College Catalog.



Degree Programs Offered

The Department of Physics offers three majors and a minor. Majors are offered in Physics, Physics Education, and Science and Technology Management with an emphasis in Physics. All majors lead to a Bachelor of Arts degree. The department also offers a minor in physics.



For more information or to schedule a visit, call us toll-free at 1-888-253-9355.

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