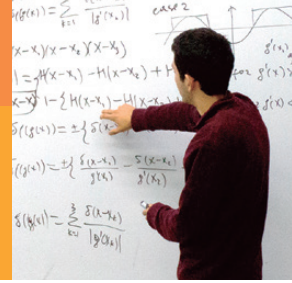


Physics Program

Bachelor of Science



Program Outline

The Physics Program is offered by the Department of Physics in the School of Science. The program is designed to allow early exposure to specialized scientific fields and to cultivate well-balanced individuals through broad-based education and professional knowledge. On the firm base of fundamental physics that will be taught in the first years. The program enables students to acquire a deep understanding in their majors of various fields in physics.



The Physics Course is built up systematically, starting from basics in physics and mathematics. After finishing the first year of basic physics, students choose from a variety of majors, including Particle Physics, Condensed Matter Physics, Astrophysics, Biophysics, and Computational Physics. Courses offered in the second and third years include Analytical Mechanics, Statistical Physics, Electricity and Magnetism, Quantum Mechanics, Mathematical Physics, Physics Tutorials, Physics Experiments, and Physics Seminars. In their final year, students are required to major in a specialized field of either theoretical or experimental physics. Subjects of research in physics extend to infinity, ranging from the micro world to the distant expanses of outer space: Elementary Particle Physics and Physics of Gravity; Astrophysics; Physics of Superconductors, Semiconductors, Magnetic materials, and Dielectric materials; and Biophysics.

Career Prospects

Many of the students are expected to enter Graduate School. Then, after undergoing rigorous training and studies, most of our graduates eventually enter teaching or research careers in academia or industry. Basic problem-solving and abstract thinking skills make physics graduates competitive employees in a broad range of areas including finance, industry and education.



Notes:

Contact Information

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