



Bachelor of Arts and Bachelor of Science **PHYSICS**

The Department of Physics is an active, engaged community that stimulates its students' curiosity about the fundamental workings of the universe.

The department encourages students to think deeply through questions about how the universe works, to find and connect abstract relationships to new situations, and to be academically confident and knowledgeable scientists, teachers and lifelong learners.

Physics students have the opportunity to meet and work closely with a community full of exceptional teachers and world-famous researchers in their areas of study.

Our students graduate with a passion for their work and an ability to think deeply about questions. They are able to find and connect abstract relationships to new situations and are intellectually curious and ready to adapt to a wide variety of possible careers.

PROGRAM FEATURES

Scholarships

Project Opportunities

International Research

Radio Astronomy and Optics Facilities

UNIVERSITY OF THE
PACIFIC

Department of Physics:

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Please visit [Pacific.edu/Physics](https://www.pacific.edu/Physics) for more information



I was able to do research on quasars in Italy thanks to the relationships I have with the professors here. The close-knit community really allows students to shine.

LOUIS JOHNSON
BS Physics

The Major

The study of physics includes mastering very broad fundamentals that apply to everything from atoms to galaxies, as well as specific studies in topical specializations such as computational physics and astrophysics.

Physics majors can choose from three degrees: a BS in physics, a BS in engineering-physics, or a BA in physics. For students interested in the BS in physics, there are three concentrations available: computational physics, astrophysics and mathematical physics.

The department also offers minors in physics and data science for students who wish to complement their major in another discipline.

The Experience

Students in the Department of Physics have access to cutting-edge research and numerous ways to get involved in physics activities. Students can work on projects outside the classroom to experience the science of physics.

Our faculty are known worldwide for their research into supermassive black hole formation at the center of galaxies, characterizing Earth-sized exoplanets, discovering new galaxies with unexpected properties and testing particle physics models with supercomputer simulations.

OUTCOMES

Upon graduation, physics majors most often go into scientific or technical fields like optics, superconductivity, nanotechnology or new energy methods. It is a very flexible degree, and some physics majors go on to careers in biology, law, financial firms, teaching and other areas.

DEGREES OFFERED

Bachelor of Arts
Bachelor of Science

MAJORS OFFERED

Physics (BA)
Physics (BS)
+ Standard Track
+ Computational Physics
+ Astrophysics
+ Mathematical Physics
Engineering-Physics (BS)

MINORS OFFERED

Physics
Data Science

For more information, please visit:

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