



FOUNDATIONAL SCIENCE.
FASCINATING CAREERS.

PHYSICS

SEATTLEU
COLLEGE OF
SCIENCE AND ENGINEERING

Study Physics at Seattle U!

Small classes. Individual attention and personalized advising. Lively discussions. You'll enjoy classes taught by physics professors who maintain active research programs. Their work enhances our curriculum and provides opportunities for you to participate in ongoing scientific investigation.

A Seattle U physics degree will prepare you for a wide range of careers! People with physics degrees—or who worked as physicists—originated major innovations, from electric power, the electric battery and the electric motor to X-ray imaging, the transistor and the mass spectrometer. Other inventions from physicists or astronomers include the integrated circuit, the electronic digital computer, NMR and MRI, PET scanning, the nuclear reactor, the laser, wireless LAN, the first video game and the World Wide Web.

“

Advances in science and technology come from young minds pushing into the unknown. As professors and researchers, my colleagues and I emphasize this creative spirit of inquiry, and not just learning what has already been established. An open mind is more vital than ever.”

DAVID BONESS, PhD

PROFESSOR AND CHAIR, PHYSICS

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COME SEE US!

Call 206-296-5940 or email phys@seattleu.edu

A VIBRANT COMMUNITY
FOCUSED ON

UNDERGRADUATE SUCCESS

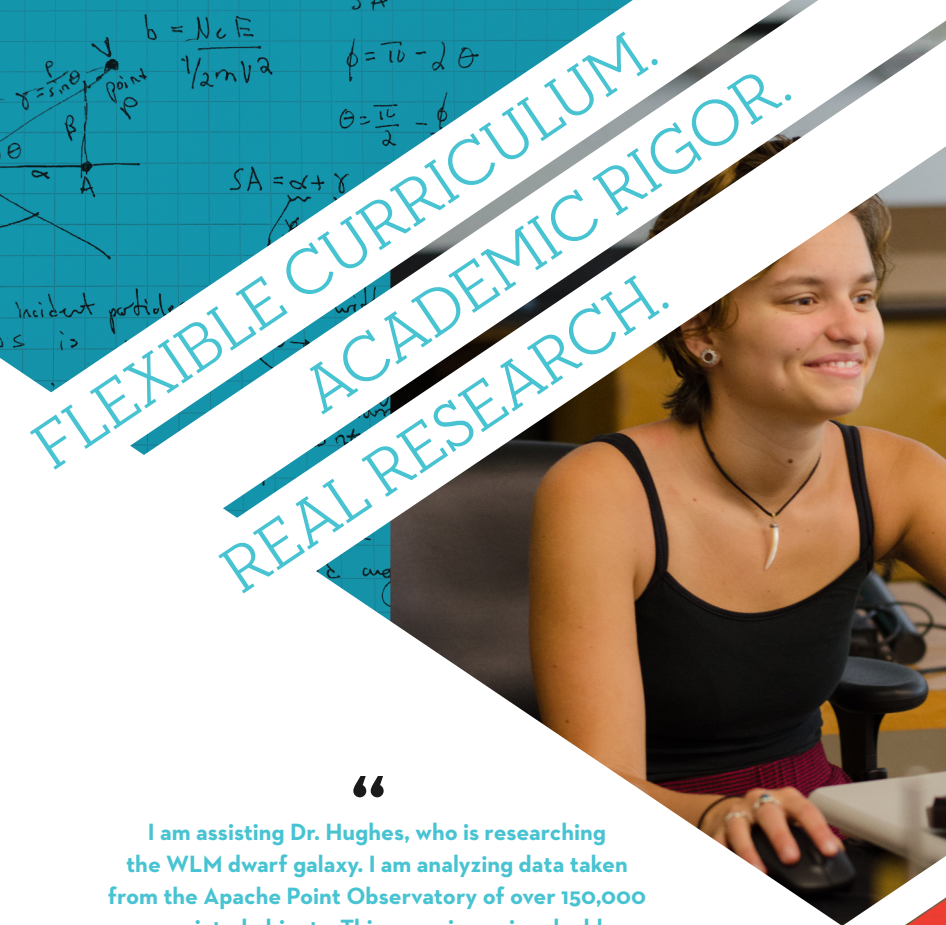
Physics is the foundational science upon which all other natural sciences and most types of engineering are built. Physicists work to deeply understand the smallest things, the biggest things, the oldest things, the newest things and everything in between.

BS - PHYSICS: PREPARATION FOR ADVANCED STUDY

The BS degree is designed for students who are planning to pursue graduate programs in physics, applied physics, biophysics, optics, materials science, astrophysics, astronomy, earth sciences, engineering or other graduate or professional programs.

BA - PHYSICS: EXPLORE MULTIPLE OPTIONS

If you're thinking about a double major, the BA degree gives you the flexibility to pursue your other interests and is excellent preparation for medical school, law school or business school—or for K-12 teaching or technical writing. You'll have opportunities to take a variety of electives and explore other disciplines.



**FLEXIBLE CURRICULUM.
ACADEMIC RIGOR.
REAL RESEARCH.**

“

I am assisting Dr. Hughes, who is researching the WLM dwarf galaxy. I am analyzing data taken from the Apache Point Observatory of over 150,000 associated objects. This experience is valuable in terms of grad school applications—and it is personally very exciting.

TANNER MARSHALL, '20

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**YOUR SEATTLE U
PHYSICS DEGREE OPENS
THE DOOR TO GREAT JOBS!**

You'll find our graduates at:

- Boeing / Microsoft / Tableau
- Fred Hutchinson Cancer Research Center
- Lockheed Martin / Oracle / Verizon
- Los Alamos National Lab
- Texas Instruments

**GRAD SCHOOL
IN YOUR FUTURE?**

You will be well qualified to pursue a graduate degree in physics, mechanical or electrical engineering, planetary sciences, aerospace engineering or mathematics. You'll find our graduates at:

- Stanford / UC San Diego / Vanderbilt
- Ohio State / Purdue / Arizona / Penn State
- Wisconsin / UC Berkeley / UC Santa Barbara
- Michigan / Texas A&M / Northwestern
- U of Oregon Master's Industrial Internship Program

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The high level of talent and support in the Seattle U Physics Department inspired me to excel and prepared me incredibly well for my graduate studies and career in optics. I absolutely could not have made a better choice for my undergraduate education.

ROSE MARIE HAYNES, '17

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INTERESTED IN RESEARCH? LET US KNOW!

Your physics professors welcome students to participate in their research. You may explore a contemporary problem in theoretical nuclear physics, experimental and computational geophysics, nanoscience, experimental fluid dynamics or quantum vacuum-matter interaction. You might participate in research related to cancer statistical analysis or analyze data from big telescopes at the Apache Point Observatory.

You may also take advantage of off-campus summer research opportunities in physics or related fields at IBM, the Jet Propulsion Laboratory or one of many research universities or national labs.

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**SHARPEN YOUR SCIENTIFIC MIND FROM
YOUR FIRST DAY TO GRADUATION DAY**

**FOUNDATIONAL
LAB COURSES**

Learn proper lab techniques. You're on your way!

**INQUIRY-
BASED LAB**

Perform scientific inquiry. You don't know the answer, but your instructor does.

**DISCOVERY-
BASED LAB**

Research an open-ended scientific problem. Neither you nor your instructor knows the answer.