The physics programs at Belmont provide opportunities for students to pursue future careers in many scientific areas. We integrate the classroom experiences with exploratory lab work using state-of-the-art equipment to create an environment that centers on learning physics by doing physics. We provide an engaged learning community that is fostered between students and faculty through small class size, undergraduate research with faculty and personal academic advisors.

Belmont University is a Christian community. The university faculty, administration and staff uphold Jesus as the Christ and as the measure for all things. As a community seeking to uphold Christian standards of morality, ethics and conduct, Belmont University holds high expectations of each person who chooses to join the community. Belmont University does not discriminate on the basis of race, sex, color, national or ethnic origin, age, disability, military service or sexual orientation. Inquiries or complaints concerning the application of these policies to students should be directed to the Dean of Students, Beam Student Life Center Suite 200, 1900 Belmont Blvd., Nashville, TN 37212, deanofstudents@belmont.edu or 615.460.6407.
Physics majors learn to address the challenges faced by society utilizing technical skills and knowledge applicable across multiple disciplines. With a physics major, you will have multiple career options available upon graduation, including graduate school, numerous engineering paths, or careers in health, industry, education and more! At Belmont, our physics programs provide:

- **A Student-Centered Commitment:** Small class sizes and an undergraduate-only program allows faculty to work directly with students during class, office hours, laboratory and research projects. You will be a vital and valued individual within our learning community.

- **Scholarly Teaching:** We strive to utilize the latest research in learning and technologies in the classroom. Our faculty conduct research in physics education in addition to their areas of expertise.

- **Research Experiences:** Our faculty and students conduct research in optics, nanoscience, acoustics, astrophysics, microfluidics, machine learning and computational modeling. You will apply what you learn in the classroom to investigate scientific questions in which no one knows the answer.

- **Professional Development:** Our students are provided with opportunities to present their research at scientific conferences, engage in summer research or further develop professional skills in various ways.

- **Great Students:** We think the best part of Belmont is the students! To learn more about our student organizations, research and programs, please visit our website at belmont.edu/chemphys.

**WHAT MAKES US UNIQUE?**

The Department of Chemistry and Physics offers three different programs of study for physics. In each, students take the same physics core and undergraduate research sequence. The programs differ in additional requirements, each with a different purpose. Please see the catalog for details.

**PHYSICS MAJOR**

The traditional physics major is appropriate for most career paths, including graduate school and teaching, and offers the most flexibility for students who wish to also earn a minor or second major in another subject.

For students interested in teaching, Belmont offers a Masters of Arts in Teaching (M.A.T.) with one additional year of graduate work.

**ENGINEERING PHYSICS**

The Engineering Physics program is designed to provide students with additional technical skills desirable for success in applied physics and engineering fields. It includes interdisciplinary tracks in computational physics, material science and applied physics, and a pre-engineering track for those students who wish to pursue engineering related work in graduate school.

**PHYSICS PRE-HEALTH**

The Physics Pre-Health program is designed for pre-health related areas such as medical physics, medical school, dental school, biophysics and graduate work in biomedical science. The program includes the biology and chemistry courses that would prepare students for admission to graduate or professional programs while allowing students flexibility to pursue other specific career interests.

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“The small class sizes and integrated approach to medical physics have helped me find deeper connections between the sciences. Both classes in my major and general education courses have taught me marketable skills that give me an edge when applying for jobs and medical school.”

**JENNA HULSEY**

Physics Pre-Health, 2017

“At Belmont, you can study a rigorous physics curriculum while getting to experience everything else the University offers at the same time.”

**MASON POHLMAN**

Honors, Engineering Physics, 2020