why you belong here
Do you believe that science and liberal arts are both vital to your academic and professional growth? Are you looking for the perfect combination of a world-class education in physics and an intimate, well-rounded college experience? If so, then you belong in the physics program at Chatham University.

The goal of our physics program is to provide you with the highest level of physics education while ensuring that you receive the opportunities for personal development and supportive faculty connections that makes the Chatham experience so unique.

Through an extraordinary collaboration with Carnegie Mellon University (CMU), you can learn among the leading minds of physics and develop your understanding of the relationship between physics and other areas of science, mathematics, and technology.

what you can expect
At Chatham, you will gain confidence and knowledge from the benefit of forming close, one-on-one connections with Chatham faculty and students during your first-year physics, mathematics, and writing courses. As you grow into upper-level requirements and electives, you will take your remaining physics courses at Carnegie Mellon University through a special cross-registration agreement.

You will enjoy access to, and often, required use of, cutting-edge science equipment that larger institutions reserve only for Ph.D. students. In addition, you will complete a capstone seminar. This seminar does two things: It integrates the knowledge that you’ve accumulated, and it allows you to channel that knowledge into a discipline-specific project under close faculty guidance.

Take advantage of a world-class physics curriculum offered through Chatham University’s collaboration with Carnegie Mellon University

Develop one-on-one relationships with dedicated faculty and students

Explore opportunities for hands-on laboratory research as an undergraduate

Access the resources of two universities in one unique, integrated program
what you will learn
As a physics student at Chatham, you will gain a deep understanding of the connections between physics, mathematics, and other sciences, as well as develop your capacity for problem solving and critical thinking. You will graduate with an appreciation for the highest ethical and scientific standards for designing and executing research procedures. And you will possess knowledge in numerical, algebraic, and calculus manipulations, mathematical notation, and spatial reasoning.

where it will take you
Your bachelor's degree in physics will provide you with an exceptional foundation for pursuing graduate programs and a wide range of careers. During your course of study, you can apply your knowledge and add to your experience by seeking a place in our Summer Undergraduate Research Program or by taking advantage of one or more of the many internship opportunities available to you. You can even choose to seek certification in physics for secondary education by completing courses in the education program at Chatham.

learn more
Read faculty bios, browse course descriptions, and explore funding opportunities at chatham.edu/physics.

• Get the perfect blend of the CMU experience and the Chatham community. The collaboration between Chatham University and Carnegie Mellon University provides an added benefit to physics majors: due to the special arrangement between the two universities, Chatham students do not pay any additional tuition for participating in this program.

• As a physics major, you will enjoy spending many hours in the renovated Chatham Science Complex. The complex contains specialized research spaces, laboratories and classrooms, a climate controlled instrument laboratory, environmental chambers, extensive computing facilities, and other modern instruments.

‘I must do more than just lecture in order for students to internalize and personalize the tenets of the Chatham University mission. I seek to be a mentor and to create open dialogs about global issues, particularly in science.’

— Vadas Gintautas, assistant professor of physics