



PHYSICS

Stonehill's Physics & Astronomy Department is led by supportive professors with a broad array of expertise, from astrophysicists and experts in quantum mechanics to optical physicists and science historians.

The Department of Physics & Astronomy offers two physics degrees, both of which are offered with an astronomy concentration.

Bachelor of Science in Physics: For students interested in a graduate school degree in either physics or astronomy, and those seeking immediate employment in a field that requires an advanced knowledge of physics.

Bachelor of Arts in Physics: For students who wish either to pursue an interdisciplinary field or to teach at a primary or secondary level. The B.A. can also be awarded as part of our Engineering 3+2 program in partnership with the University of Notre Dame.

GRADUATE/PROFESSIONAL SCHOOL STUDIES

Places where Stonehill graduates have recently attended a full- or part-time graduate program include:

- Tufts University
- University of California
- University of Connecticut
- University of Notre Dame

RESEARCH OPPORTUNITIES

Stonehill Undergraduate Research Experience

This is an opportunity for students who have completed their first year at Stonehill to perform significant, publishable, full-time research under the guidance of and in collaboration with an experienced faculty researcher.

Recent projects

Ashley Horan '15 conducted research with Professor Alessandro Massarotti at the Harvard Smithsonian Center for Astrophysics, expanding on Professor Massarotti's ongoing work on computer simulations of rocky planets' interiors.

Melissa Drury '15 and Hannah Fitch '15 conducted research with Professor Mevan Gunawardena in the field of atomic, molecular and quantum optics. Together, they are primarily looking into developing techniques for measuring weak atomic and molecular transitions and controlling the dynamics of how these systems evolve.

CAMPUS RESOURCES

Stonehill has made a significant investment in steadily expanding its resources, regularly purchasing the equipment necessary to re-create many of the major experiments supporting our current understanding of physics.

Students who for years in high school memorized the speed of light, the diameter of an atom or the mass of an electron have the opportunity to go into the lab and recreate the experiments that reveal such fundamentals.

HONORS SOCIETY AFFILIATION

Sigma Zeta

National Science & Mathematics Honor Society

Lambda Epsilon Sigma

Stonehill's campuswide honor society

CAREER OUTCOMES

Places where Stonehill graduates have recently been employed include:

- Amazon
- BAE Systems
- MEDITECH
- MG Financial
- Northrop Gruman
- Raytheon

LUX ET SPES



STONEHILL COLLEGE

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PHYSICS

CAREER SERVICES RESOURCES FOR STUDENTS

General

- The Office of Career Services offers extensive assistance to students seeking employment, pursuing advanced studies or participating in postgraduate service opportunities. By completing internships and utilizing mentors, students are empowered to build lifelong career management skills.

Physics-specific

- Extensive on-campus recruiting program for internships and entry-level jobs.
- Annual career fairs and graduate school information sessions.
- Externships and internships in New York; Washington, D.C.; and Los Angeles (weeklong and semesterlong programs).



“Studying physics was one of the best parts of my time at Stonehill. During my time with the department I was given many opportunities to gain both teaching and research experience.”

– David Thomas '12

Now pursuing his Ph.D. in physics at Tufts University

Stonehill at a Glance

Founded by the Congregation of Holy Cross, Stonehill College values integrity, tradition and the rewards that come when you pair rigorous academics with world-class faculty committed to their students' success. Our nationally recognized experiential learning programs and focus on service shape graduates into compassionate leaders and global thinkers.

- 2,590 full-time students (1,588 women, 1,002 men).
- 93% of students live on campus.
- 167 full-time faculty (100% of classes taught by professors).
- 13:1 student/faculty ratio (average class size: 19 students).
- Tuition: \$36,160. Room and board: \$13,710.
- 86% retention rate.
- 93% of enrolled students receive financial assistance. Average freshman award, including scholarships, grants, federal student loans and work study, is \$25,451.
- \$50.5 million: amount of aid Stonehill students received in 2013-2014 academic year.
- 80% of the Class of 2013 completed an internship-related experience while at Stonehill.
- Ranked in the top 10% nationally for opportunities abroad, Stonehill offers internships, study and service travel programs around the globe.
- 91% of students participate in internships, study abroad, research practicum or fieldwork.
- 50% of the class of 2013 had secured a job by graduation, double the national average of 25%.

98%

OF ALUMNI ARE IN CAREERS, TOP GRADUATE PROGRAMS OR VOLUNTEERING WITHIN ONE YEAR OF GRADUATION