



## BIOLOGY

Taught by supportive faculty in small classes, the Biology program at Stonehill offers two majors to fit students' goals.

The **Bachelor of Science in Biology** prepares students for entry into graduate programs in the life sciences and professional programs in medical, allied health and environmental fields. It is also recommended for careers in research, academia, allied health fields, private enterprise or government service.

The **Bachelor of Art in Biology** is designed for a student who seeks entry into a professional program or to teach at the primary or secondary level. The B.A. in Biology may also be combined with another major to create an interdisciplinary degree appropriate for direct employment in biotechnology, government or other industry positions.

Leveraging Stonehill's numerous liberal arts programs, biology majors also have the option of pursuing a wide variety of nonscience careers.

### INTERNSHIP OPPORTUNITIES

Stonehill students have interned at:

- American Academy of Pediatrics
- Beth Israel Deaconess Medical Center
- Boston Equine Associates
- Buttonwood Park Zoological Society
- Cubist Pharmaceuticals
- Good Samaritan Medical Center
- Harvard Medical School and VA Center
- Meyer Physical Therapy
- Mountain Lake Biological Station
- Mystic Aquarium
- New England Aquarium
- Trevor Zoo
- Various dental and medical offices

### GRADUATE/PROFESSIONAL SCHOOL STUDIES

Graduate programs that Stonehill graduates have attended (Note: Ph.D. students receive full scholarships and a stipend):

- Barry University School of Podiatric Medicine
- Boston University
- Johns Hopkins University
- Massachusetts College of Pharmacy and Health Sciences University
- Michigan State University
- New England College of Optometry
- New York University
- Pennsylvania State University College of Medicine
- Tufts University
- University of Colorado
- University of Massachusetts Medical School
- University of Queensland, Australia
- University of Rochester

### CAMPUS RESOURCES

#### Shield Science Center

Studying biology at Stonehill puts students in a \$34 million, 89,000-square-foot state-of-the-art science center and has them working with accomplished faculty using equipment normally available only to graduate students.

#### Marine Studies Consortium

Comprising 25 Massachusetts universities and colleges, the Consortium offers several marine-related courses in Boston that attract undergraduate students from schools throughout the area.

### CAREER OUTCOMES

Stonehill graduates have been hired by:

- ARIAD Pharmaceuticals
- Biogen Idec
- Boston Children's Hospital
- Brown University
- Connecticut Agriculture Experimental Station
- Geolabs
- Massachusetts Department of Public Health
- Massachusetts General Hospital
- Organogenesis
- Siemens
- Various secondary school systems
- Vertex Pharmaceuticals
- Woods Hole Oceanographic Institute
- Yale-New Haven Hospital

LUX ET SPES



STONEHILL COLLEGE

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## BIOLOGY

**HONORS SOCIETY AFFILIATION****Sigma Zeta**

National honor society for mathematics and natural sciences

**Lambda Epsilon Sigma**

Stonehill's campuswide honor society

**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.

**Biology-specific**

- Extensive on-campus recruiting program for internships and entry-level jobs.
- Annual career fairs.
- Various industry-specific career lunches – biotech and pharmaceuticals.
- Alumni Career Dinner – Biology Society.
- Number of active alumni mentors: 89.

**RESEARCH OPPORTUNITIES**

Stonehill science students participate in highly competitive and prestigious summer research programs, working in university and industry labs across the country and around the world. Recent experiences include:

- Judith P. Sulzberger Internship Program at the Institut Pasteur in Paris
- Harvard Stem Cell Institute Summer Program
- New England Primate Research Center Summer Training Program
- Pediatric oncology experience at St. Jude's Research Hospital
- SEA Semester student research projects
- SUCCESS Medical Research Program at Ohio State University

**Stonehill Undergraduate Research Experience**

This is an opportunity for students who have completed their first year at Stonehill to perform full-time, high-quality research over the summer under the guidance of an expert faculty researcher. The experience includes weekly lunches, postgraduate career seminars, programwide outings and a student poster session in the fall.

**Recent examples**

Biology majors Johnny Joseph '14, Kyle Ryan '14 and Alexander Tavares '15 recently worked with Bronwyn Bleakley, assistant professor of Biology, on "Mechanisms of Indirect Genetic Effects."

Jillian Bouchard '15, Alexa Caruso '15 and Stephen Leonard '14 recently worked with Rachel Hirst, assistant professor of Biology, on the detection, sequence analysis and antibiotic sensitivity of *Methylobacterium* species found in association with the fungus *Armillaria gallica*.

**"The professors ... were very invested, and the attention that is paid to each student is amazing."**

– Kate Sullivan '11

Research Assistant at Boston Children's Hospital

**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**