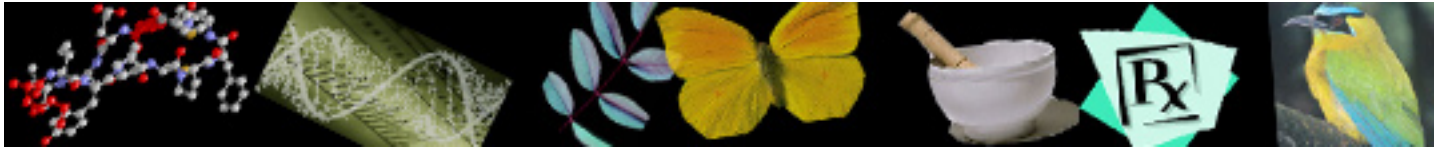
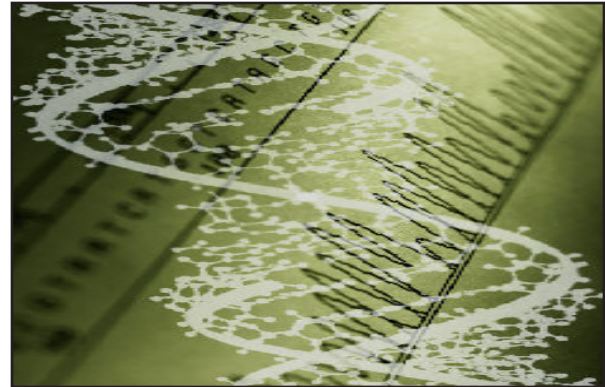


# Biology



## program

The Department of Biology offers both the bachelor of arts and bachelor of science degrees. Our bachelor of arts degree program in biology offers flexibility in biology course selection so students can pursue individual interests. The bachelor of science degree program in biology (professional track) has a more structured, professionally oriented curriculum designed to prepare students for advanced training in biology, including graduate school and health careers. Both degrees prepare students for the secondary education (biology) graduate program offered by our College of Education. The bachelor of science degree in biology with a focus on the paramedical professions medical technology and cytotechnology is also offered. Graduates of the medical technology program provide both routine and specialized clinical laboratory testing on a variety of patient specimens in diverse settings, including hospital and independent laboratories, commercial and academic research laboratories and public health services. Although most cytotechnologists work in hospital laboratories examining samples from any part of the body from which fluids can be obtained, opportunities also exist in private clinics, in private industry, and in research laboratories. Starting in the fall of 2002, we began offering several year+ degree options, thus facilitating a smooth transition to degrees in physical therapy at Slippery Rock University, osteopathic medicine at Lake Erie College of Osteopathic Medicine



(LECOM) and pharmacy at the LECOM School of Pharmacy. An interdisciplinary minor in marine science may be earned through the Marine Science Consortium at the Wallops Island Marine Science Center on Virginia's Atlantic shore.

The fundamental mission of our department remains unchanged, that is, to provide students with a comprehensive, contemporary understanding of the biological sciences by enthusiastically offering experiences that are stimulating and challenging. The goal of these efforts is to foster an appreciation for the complexities of living systems and to promote the development of competent biologists and scientifically literate citizens that are prepared to continue their learning throughout their various life-long endeavors.

*"The rigorous and high quality demands of the Department of Biology have prepared me in every way for the challenges required of a federal land manager in today's climate. I owe a debt of gratitude to the department for a high quality, highly valuable education."*

Brian Braudis, B.A. Biology  
SRU class of 1995

## leading edge facilities

Our well-equipped physical plant includes a herbarium, greenhouse, fish room, general research facilities, cell biology research laboratory, eco-physiology research laboratory, environmental growth chambers, and light, electron, and laser microscopy facilities. National Science Foundation grants received recently by our faculty were used to purchase an AX-70A photomicroscopy system and environmental growth chambers. These resources afford each student the opportunity for numerous hands-on experiences. Some of these experiences have in recent years translated into student/faculty publications.

## Majors and Minors

### MAJORS:

- **B.A. Biology**
- **B.S. Biology** – Professional
- **B.S. Biology** – Slippery Rock University DPT (3+3)
- **B.S. Biology** – LECOM: Osteopathic Medicine (3+4)
- **B.S. Biology** – LECOM: School of Pharmacy (2+3)
- **B.S. Biology** – Cytotechnology
- **B.S. Biology** – Medical Technology

### MINORS:

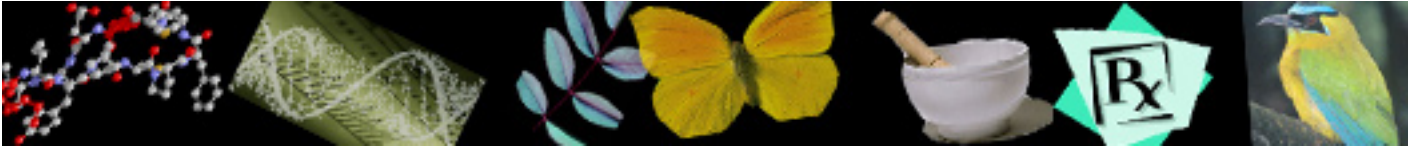
- **Biology**
- **Marine Science** – Interdisciplinary

<http://www.sru.edu>

Slippery Rock  
University  
of Pennsylvania

@ Slippery Rock University of Pennsylvania

# Biology



## career opportunities

The 21st Century has been dubbed the "Century of Biology." Career opportunities abound for those with a background in biology, and according to the 2002 edition "Jobs Rated Almanac" by Les Krantz, the nation's single best job for 2002 was 'biologist.' The U.S. Bureau of Labor Statistics has information on numerous career opportunities for those with degrees in biology.

*"Slippery Rock has an amazing biology program. The Department of Biology provided me with an excellent education that prepared me well for the intense level of learning that is required of medical school. The professors were very supportive, and I thought of them as my family away from home."*

-Angela Hollis, M.D., B.S. Biology  
SRU class of 1999

## clubs and organizations

Qualified biology majors can apply for membership in the Lambda Lambda chapter of the national biology honorary, Beta Beta Beta. Membership in Beta Beta Beta is open to all biology majors. Beta Beta Beta exists to stimulate scholarship, further scientific knowledge, and promote biological research. Our chapter has supported these goals through sponsoring lectures, holding tutoring sessions, printing a department newsletter, providing judges for the Pennsylvania Junior Academy of Science, sponsoring projects and trips, and holding social events such as picnics and initiation ceremonies. Members of Beta Beta Beta have diverse interests within the field of biology that make them a great resource for anyone planning a career in the biological sciences, not to mention the camaraderie and friendship with other students who share similar interests.

## Internships

Students may elect to do an off-campus internship for academic credit during the summer. Locations of recent biology internships include: Penn State University, State College, PA; Duquesne University, Pittsburgh, PA; Hershey Medical center, Hershey, PA; University of Iowa, Iowa City, IA; Roswell Park Cancer Institute, Buffalo, NY; ChemIcon Inc., Pittsburgh, PA; and Woodford Veterinary Clinic, Versailles, KY.

*"I'll always remember the faculty as being among the most thoroughly prepared, exciting, and supportive teachers I have ever had."*

-Dr. Christopher F. Cuff, B.S. Medical Technology  
SRU class of 1982



*"I still look back at my time at Slippery Rock University with a great fondness. I not only got an excellent foundation education that allowed me to excel in graduate school and veterinary school, but I also met some amazing people that have had a profound and lasting impression."*

-Steven H. Gross D.V.M., B.S. Biology  
SRU class of 1996

## Contact Info

### Admissions Office

146 North Hall Welcome Center  
Slippery Rock University  
Slippery Rock, PA 16057  
Phone: 724-738-2015  
E-mail: [admissions@sru.edu](mailto:admissions@sru.edu)  
Campus Tours: 1-800-929-4778  
Web site: <http://www.sru.edu/pages/5259.asp>

### Department Contact:

Jerry Chmielewski, Chairperson  
Department of Biology  
123 Vincent Science Hall  
Slippery Rock, PA 16057  
Department Phone: 724-738-2023  
Fax: 724-738-4782  
E-mail: [jerry.chmielewski@sru.edu](mailto:jerry.chmielewski@sru.edu)  
Web site: <http://www.sru.edu/pages/5175.asp>

Slippery Rock University is an equal opportunity/affirmative action institution  
A member of the Pennsylvania State System of Higher Education