

Contact

Jerry Chmielewski, Chairperson

Department of Biology
123 Vincent Science Hall
Slippery Rock, PA 16057

Phone: 724-738-2489
Fax: 724-738-4782

e-mail: jerry.chmielewski@sru.edu
Web: <http://www.sru.edu/pages/5175.asp>

Entrance Requirements

Official High School Transcripts, including a 12th Grade class schedule if applicable
SAT or ACT Scores
\$25.00 application fee

Major Requirements

BA
32 credits Biology
19 credits Chemistry, Physics, Mathematics
48 credits Liberal Studies
Modern Language Proficiency
Electives

120 Minimum total credit hours required for graduation

BS
41 credits Biology
30 credits Chemistry, Physics, Mathematics
48 credits Liberal Studies
Modern Language Proficiency
Electives

120 Minimum total credit hours required for graduation

COLLEGE OF HEALTH, ENVIRONMENT, AND SCIENCE

Programs

The Department of Biology offers both the Bachelor of Arts and Bachelor of Science degrees. Our Bachelor of Arts degree in Biology offers flexibility in biology course selection so that students pursue individual interests. The Bachelor of Science degree program in Biology 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. Bachelor of Science degrees in the paramedical professions medical technology and cytotechnology are also offered. The Department also offers several year+ degree options, thus facilitating smooth transition to degrees in physical therapy at Slippery Rock University, the chiropractic profession at Logan College of Chiropractic, osteopathic medicine at Lake Erie College of Osteopathic Medicine (LECOM), and pharmacy at the LECOM School of Pharmacy. Faculty share a commitment to students, involvement in the profession, and institutional service in a variety of ways. Some maintain active research programs and have secured major funding from federal research agencies like EPA and NSF. Students may benefit directly by collaborating in this research.

Career Opportunities

The 21st Century has been dubbed the "Century of Biology". Career opportunities abound for those with a background in biology. The U.S. Bureau of Labor Statistics has information on numerous career opportunities for those with degrees in biology.

Liberal Education Requirements*

Approximately one-half of a student's courses will be credited toward completing liberal studies requirements. The liberal studies program is designed to provide students with the breadth of knowledge expected of an educated person in our society. These courses compliment the depth of specialty acquired in a student's major.

The program contains seven critical goals or areas of study. For each area, students select one or two classes from a selection of "goal courses." In addition, in some areas of study, students select a course from a wide class selection identified as "enrichment courses." These courses provide the opportunity to broaden and deepen knowledge in the goal area. Lastly, co-curricular "Supporting Experiences," are identified. These activities and programs available to all students and encompass working on student publications, belonging to honorary societies or working with various special on-campus special interest groups.

Goal I: Basic Competencies

Goal II: The Arts

Goal III: Cultural Diversity and Global Perspective

Goal IV: Human Institutions and Interpersonal Relationships

Goal V: Natural Sciences and Mathematics

Goal VI: Our National Experience

Goal VII: Challenges of the Modern Age

**All SRU students must complete the liberal studies requirements, which are counted in the total credit hours required for graduation and may be contained in the Major Requirements previously listed.*

Specialized Information

The Department of Biology offers a minor which is open to all undergraduate, degree-seeking SRU students. *Requirements for the Minor in Biology include:* Required Courses – BIOL 101 and 100 or BIOL 102 and 100 or BIOL 104; select 8 credits from BIOL 201, 212, or 250; select a minimum of 5 semester hours from BIOL 310, 311, 320, 325, 330, 335, 340, 343, 345, 350, 357, 360, 370, 371, 401, 405, 410, 430, 450, 451, 465, 470, 490, 492, 498, or Marine Science offerings.

Teacher Certification

Teacher certification is earned through the master of education degree at Slippery Rock University. Students seeking secondary school teaching certification in biology must earn a bachelor of arts or a bachelor of science degree in biology and contact the Department of Secondary Education/Foundations of Education concerning its graduate program in education. Information about this program, including prerequisites for admission, may be obtained from the secondary education/foundations of education office in 114 McKay Education Building.

Academic Programs 2004-2005



This fact sheet is intended for informational purposes only and is subject to change.