

School of Environmental and Biological Sciences

RUTGERS

WHO WE ARE AND WHAT WE DO

Students at the Rutgers School of Environmental and Biological Sciences are part of a rich history of learning, innovation, service, and community. They enjoy the benefits of well-established professional and pre-professional degree programs complemented by hands-on learning and extracurricular experiences.

- ▶ Our courses cover the biological spectrum, from organisms to ecosystems.
- ▶ Students often pursue groundbreaking research projects, internships, and service learning opportunities—all of which are hallmarks of an education at one of the top public research universities in the nation.
- ▶ Our school offers a wide variety of majors that provide excellent preparation for professional school (medical, dental, veterinary medicine, and law), graduate study and positions in government, industry, business, and health-related areas.
- ▶ Our graduates attend some of the nation's most prestigious universities, and they become leaders in their fields.

We foster an environment that encourages leadership and values individuals. Our integrated teaching, research, and outreach programs offer students a complete and well-rounded education both inside and outside the classroom—and prepare students for employment and citizenship in an increasingly interrelated, global community. Located just one hour from New York City, 90 minutes from Philadelphia, and one hour from the Jersey shore, the school offers our students the best of all worlds.

DEGREE PROGRAMS

The school offers numerous degree programs that prepare students for exciting and diverse career opportunities. The following majors are available to students who matriculate at SEBS. Minors and certificate programs as well as double majors and joint degree programs are also available.

Agriculture and Food Systems

Animal Science

Preveterinary Medicine and Research
Laboratory Animal Science
Equine Science
Production Animal Science
Companion Animal Science

Biochemistry

Biochemistry of Microbial Systems
Biochemical Toxicology
Biochemistry of Plant Systems

Protein and Structural Biochemistry

Bioenvironmental Engineering

(5-year B.S./B.S. Program)

Biological Sciences

Biotechnology

Animal Biotechnology
Bioinformatics
Bioscience Policy and Management
General Biotechnology
Microbial Biotechnology
Plant Biotechnology

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***Chemistry**

***Communication**

Ecology, Evolution and Natural Resources

Environmental & Business Economics

Business Economics
Environmental & Natural Resource Economics
Food Industry Economics
Food Science and Management Economics

Environmental Planning & Design

Environmental Geomatics
Environmental Planning
Landscape Architecture
Landscape Industry

Environmental Policy, Institutions, and Behavior

Environmental and Health Communications
Health & Environmental Policy
Individual Option
International Environmental & Resource Policy
United States Environmental & Resource Policy

Environmental Sciences

Applied Environmental Science
Environmental Health
Environmental Science

Exercise Science and Sports Studies

Applied Kinesiology
Exercise Physiology
Exercise Science
Sports Management

Food Science

Food Science Research
Food Science and Management Economics
General Food Science

Genetics

***Geography**

***Geological Sciences**

***Journalism and Media Studies**

Marine Sciences

Marine Biology/Biological Oceanography
Marine Chemistry
Marine Geology
Physical Oceanography
Directed Marine Studies

Meteorology

Microbiology

Nutritional Sciences

Community Nutrition
Dietetics
Food Service Administration
Nutrition
Nutrition, Food and Business

Plant Science

Horticulture & Turf Industry
Professional Certification
(Teacher Certification, Plant Protection, and Horticultural Therapy)
Research

Public Health

** These majors require the completion of a School of Environmental and Biological Sciences minor or certificate program.*

FACULTY

Faculty at the School of Environmental and Biological Sciences are internationally known scholars whose interdisciplinary orientation is ideally suited to solving the problems that confront the state, the nation, and the world. Their philosophy reflects Rutgers' strong land-grant tradition of teaching, research, and service. Our students are encouraged to adopt the same approach to their educational experience at Rutgers.

ACADEMIC ADVISING

Throughout their matriculation, students select courses and develop their academic programs in close consultation with academic counselors. From their first year, students are assigned to an academic advisor based on their intended major. In all subsequent years, students are advised by a faculty member in their selected program(s) of study. Students are encouraged to meet with their advisors throughout the academic year.

CREDITS REQUIRED FOR GRADUATION

In addition to achieving proficiency in one of the programs of study offered at the school, all students are required to complete course work in the following areas: Interdisciplinary Critical Analysis; Introductory Life and Physical Sciences; Humanities and the Arts; Multicultural and International Studies; Human Behavior, Economics Systems and Political Processes; Oral and Written Communications; and Experienced-based Education. Competence in a field also includes course work in quantitative skills and professional ethics.

Students must complete a minimum of 128 credits of course work to graduate with a bachelor's degree from the School of Environmental and Biological Sciences. (The 5-year Bioenvironmental Engineering degree requires a minimum of 159 credits.)

EXPERIENCE-BASED EDUCATION

Students who participate in the Student to Professional Internship Network (SPIN) at the School of Environmental and Biological Sciences gain experience related to their course of study or career interests while earning academic credits to fulfill the school's experience-based education requirement. SPIN is an academic program so the credits are earned through the completion of academic assignments while the student is involved in part-time or full-time work experience within business, industry, government, or non-profit agencies. Visit SPIN website at sebsspin.rutgers.edu.

Experience-based education can also be achieved through the following:

- ▶ Independent Research
- ▶ Departmental Internships
- ▶ George H. Cook Scholars Program



- ▶ Study Abroad (studyabroad.rutgers.edu)
- ▶ SEBS International Summer Study Abroad Program (sebs.rutgers.edu/international)
- ▶ ARESTY (Research Assistant Program) – (aresty.rutgers.edu)
- ▶ Field Study
- ▶ Laboratory Research

HONORS PROGRAMS

School of Environmental and Biological Sciences students graduate from the school with honors on the basis of their final cumulative grade-point average. Three honors programs are available to our students:

1. The School of Environmental and Biological Sciences General (four-year) Honors Program: select high school seniors with secondary school averages of at least 3.500 (on a 4.000 scale) and a minimum combined SAT score (Critical Reading and Math) of 1350, who have applied to the School of Environmental and Biological Sciences by the application deadline, are eligible to be invited for an interview in the spring semester.
2. The George H. Cook Scholars Program is a senior honors thesis program. Students in the top 15 percent of the class are invited to participate in the fall of their junior year, so that they may plan or begin their work in the spring of their junior year. The program, however, is open to any interested student recommended by a faculty member at the school.
Independent study and special problems courses available throughout the curricula also provide individualized research opportunities for advanced students.
3. Select academic departments also designate students within their programs as graduating with honors.

SCIENCE TEACHER EDUCATION

The Science Teacher Education program is available as a minor course of study for the students enrolled at the school. This minor is a prerequisite or “gateway” to a fifth year of study in the university’s Graduate School of Education and culminates in a master’s degree with New Jersey certification, as a teacher of science or agriculture. For more information, call 848-932-9164 or visit sciencelearning.rutgers.edu.

CLUBS AND ORGANIZATIONS

The Rutgers-New Brunswick campus offers students many opportunities to become involved in activities outside of the classroom. There are numerous university-wide student clubs and organizations in which students can participate. There are also school-based opportunities like the SEBS Governing Council, Designer Genes (Biotechnology), the Veterinary Science Club, or the Fraternity of Alpha Zeta, the school’s honors and service organization. For more information, visit getinvolved.rutgers.edu.

RECREATION

Recreation serves as an adjunct to academic pursuits and all students enrolled at the school are encouraged to participate in the wide range of campus recreation/intramural activities. For more information, visit recreation.rutgers.edu.

OFFICE OF SPECIAL PROGRAMS/EOF [EDUCATIONAL OPPORTUNITY FUND]

The Office of Special Programs (OSP) is designed to provide a network of academic support services for those students seeking to improve their academic performance during their matriculation. Academic workshops, courses, career path development, advising, and seminars are part of the services available. For more information, visit sebs.rutgers.edu/osp.

HOUSING

Options for on-campus housing include residence halls, apartments, suites, learning communities (rulc.rutgers.edu), and a residential college for women (Douglass Residential College). For housing information, visit housing.rutgers.edu.

TUITION AND FEES

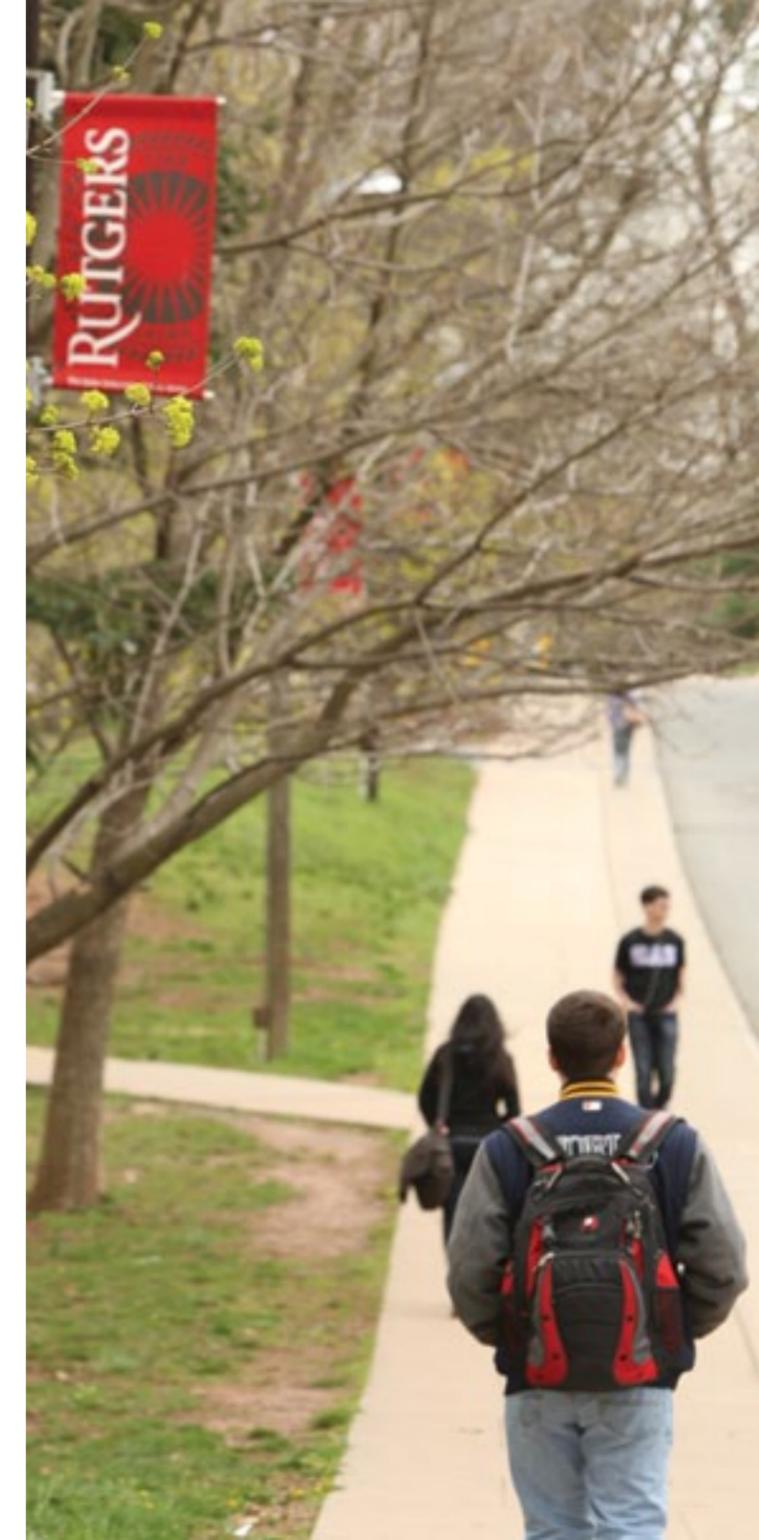
For information pertaining to tuition and fees, visit Student Accounting Financial Services at studentabc.rutgers.edu.

SCHOLARSHIPS AND FINANCIAL AID

Funding for matriculated Rutgers School of Environmental and Biological Sciences students is available in a number of forms: need-based scholarships, grants, loans, and work-study administered by the Financial Aid Office (studentaid.rutgers.edu), merit scholarships offered by the Rutgers Undergraduate Admissions and the School of Environmental and Biological Sciences, and scholarships from sources external to Rutgers University.

To be eligible for federal, state, and Rutgers University needs-based financial aid, students must complete the Free Application for Federal Student Aid (FAFSA) at fafsa.ed.gov.

For more information about the school’s scholarship criteria, the application process, and website links, visit us at sebs.rutgers.edu/sfa.



STUDY ABROAD

Study in English or in another language. Go for a year, a semester, or a summer. Take regular classes, participate in an internship, or even teach in a school, work in a clinic, observe the wildlife, or savor the local cuisine all while earning Rutgers credits.

The benefits of world travel are universal. Every destination has a friendly and supportive program director or international office to guide you along the way, helping you to get the most out of your experience.

Take the leap. Expand your horizons. Change your life. For more information, visit Rutgers Study Abroad at studyabroad.rutgers.edu and the school's International Programs at sebs.rutgers.edu/international.

TOURS AND INFORMATION

Tour and Information sessions are available throughout the year. Information sessions are conducted by one of the deans in the Office of Academic Programs, followed by a walking tour of the George H. Cook campus conducted by current undergraduate students. To schedule a tour of the School of Environmental and Biological Sciences, call the Office of Academic Programs at 848-932-3000.

OFFICE OF ACADEMIC PROGRAMS

School of Environmental and Biological Sciences
Rutgers, The State University of New Jersey
88 Lipman Drive
New Brunswick, New Jersey 08901-8525

sebs.rutgers.edu



ADMISSIONS

An online application is available on the Rutgers' Undergraduate Admissions website at admissions.rutgers.edu.

Questions can be directed to:

The Office of University Undergraduate Admissions
Rutgers, The State University of New Jersey
65 Davidson Road, Room 202
Piscataway, New Jersey 08854-8097

Phone: 732-445-6438

To learn more about the tours of the university, visit admissions.rutgers.edu.

FALL APPLICATION DEADLINES

First Year, Early Action	November 1
First Year, Regular	December 1
Transfers	February 1



HELPFUL WEBSITES

SEBS Office of Academic Programs	sebs.rutgers.edu
SEBS Office of Special Programs/EOF Program	sebs.rutgers.edu/osp
Admissions (Undergraduate)	admissions.rutgers.edu
Athletics	scarletknights.com
Career Services	careerservices.rutgers.edu
Computing Services	nbc.rutgers.edu/newstudent
Dining Services	food.rutgers.edu
Directions to and on Campus	rumaps.rutgers.edu
Disability Services	disabilityservices.rutgers.edu
Douglass Residential College for Women	douglass.rutgers.edu
Financial Aid	studentaid.rutgers.edu
Health Services—Counseling (CAPS)	rhscaps.rutgers.edu
Health Services—Medical	health.rutgers.edu
Housing and Residence Life	ruoncampus.rutgers.edu
International Student Services	internationalservices.rutgers.edu
Learning Centers	rlc.rutgers.edu
Learning Communities	rulc.rutgers.edu
Libraries	libraries.rutgers.edu
Parking	rudots.rutgers.edu
Placement Tests	oirap.rutgers.edu/testplace.html
Public Safety	aps.rutgers.edu
Recreation & Community Development	recreation.rutgers.edu
RUconnection ID cards	ruconnection.rutgers.edu
RU Express	food.rutgers.edu/ru-express
RU-info	ruinfo.rutgers.edu
Scholarships	sebs.rutgers.edu/sfa
Student Accounting (Payments)	studentabc.rutgers.edu
Student Life	getinvolved.rutgers.edu
Undergraduate Education	undergraduate.rutgers.edu
Undergraduate Research	aresty.rutgers.edu
Veterans Services	veteransaffairs.rutgers.edu
Writing Programs	wp.rutgers.edu



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Office of Academic Programs
Martin Hall
88 Lipman Drive
New Brunswick, New Jersey 08901
848-932-3000



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