WELCOME TO RUTGERS!

If you want to address problems caused by human impact on the biological world and its physical environment, THE SCHOOL OF ENVIRONMENTAL AND BIOLOGICAL SCIENCES (SEBS) is right for you.

Across 20 degree programs, SEBS students are engaging in study, research, and real-world experiences related to today’s most pressing topics:

HEALTHFUL FOODS
CLIMATE CHANGE
CHILDHOOD OBESITY
VIABLE OCEANS
GLOBAL HEALTHCARE
LIVABLE CITIES
SUSTAINABLE FOOD PRODUCTION
ANIMAL WELL-BEING . . . AND MORE

At SEBS, you’ll prepare for leadership in high-demand fields through programs that cover the biological spectrum from organisms to ecosystems.
EDUCATION THAT TAKES MANY FORMS IN MANY PLACES

WES DARYC, ’15

Major: Animal Sciences
Minor: Biological Sciences

SUMMER SCIENCE RESEARCH

Wes was selected freshman year to participate in the Aresty Summer Science Program to research the hemodynamic effects of botanicals on diet-induced obese rats.

JOINED SEEING EYE PUPPY RAISING CLUB
“This has been one of the greatest experiences I’ve had here at Rutgers. Not only have I found an incredible four-legged best friend, I know that some day he’s going to drastically change someone’s life, bringing them both dignity and independence.”

WORKED AT COOK CAMPUS FARM
As a work-study student, Wes trained new student employees and coordinated the annual Ag Field Day. At the 2013 event, Wes showed a pig that won the title of “Grand Champion.”

ADMITTED TO THE SCHOOL OF VETERINARY MEDICINE OF THE UNIVERSITY OF PENNSYLVANIA

“I always had a passion for animals and the dream of being a veterinarian. When I learned that SEBS had an animal science major with a pre-veterinary medicine track, I knew right away what I wanted to pursue.”
INTERNATIONAL SERVICE LEARNING AND FIELD STUDY

Alexandra volunteered as a special needs teacher in Bangkok, Thailand.

“It made me much more focused on communicating information and applying knowledge rather than worrying about how much information I know.”

She also tracked Tana River Red Colobus monkeys in Kenya, using GIS data and a knowledge of East African plants to map their home range. “As someone interested in evolution, I was excited to meet my fellow primate order members—but nothing could prepare me for how truly human-like the baboons and leaf monkeys were!”

NEW JERSEY INSTITUTE FOR FOOD, NUTRITION, AND HEALTH

In SEBS, students are at the forefront of solving nutritional problems such as:

- What are the factors that underlie childhood obesity and future health and wellness?
- What are the influences of diet and other factors on nutrition and health through the college years?
- What are the influences of diet and other factors on degenerative diseases such as Alzheimer’s and osteoporosis?

Features of the new LEED-certified nutrition building include:

- Human performance laboratory
- Healthy eating courtyard
- “Smart” lecture hall
- Clinical nutritional research center
- Innovative restaurant
STUDY ABROAD

Muhsin traveled to France's Burgundy region to study the microbiology and biochemistry behind wine and cheese making.

- JOINED FRENCH CLUB AND PHI SIGMA IOTA (FOREIGN LANGUAGE HONORS SOCIETY)
- BECAME PART OF THE FRENCH LANGUAGE AND CULTURE LIVING-LEARNING COMMUNITY

"Being part of the French Living-Learning Community was a great way to meet a diverse group of people who I could bond with over a common interest."

- PLANS TO RETURN TO BURGUNDY AFTER GRADUATION TO WORK IN THE VINEYARDS AND CONTINUE STUDYING WINE MAKING
PRE-PROFESSIONAL EXPERIENCE

Lauren researched dermo, a disease that causes mortality in adult oysters in the Delaware Bay at the Rutgers Haskin Shellfish Research Laboratory.

LAUREN HUEY, ’15

Major: Marine Sciences
Honors Program

+ JOINED SEBS GOVERNING COUNCIL

+ ELECTED PRESIDENT OF THE OCEANOGRAPHY CLUB
  She also organized cleanup at Passion Puddle on the Cook Campus and on local New Jersey beaches, and planned Spring Break service trips to Key Largo, Florida, to do fish surveys and lionfish collection.

+ CO-TAUGHT “READINGS IN BIOLOGY” FOR FIRST-YEAR STUDENTS

+ PLANS TO PURSUE A MARINE POLICY AND BIOLOGY GRADUATE DEGREE, THEN A CAREER IN THE AQUACULTURE INDUSTRY
MAJORS
Graduation from SEBS requires the successful completion of one of the following majors:
- Agriculture and Food Systems
- Animal Science
- Biochemistry
- Bioenvironmental Engineering (five-year program)
- Biological Sciences
- Biotechnology
- Ecology, Evolution, and Natural Resources
- Environmental and Business Economics
- Environmental Planning and Design
- Environmental Policy, Institutions, and Behavior
- Environmental Sciences
- Exercise Science
- Food Science
- Landscape Architecture
- Marine Sciences
- Meteorology
- Microbiology
- Nutritional Sciences
- Plant Biology
- Public Health

MINORS
The following minors are offered by SEBS, but a SEBS student can pursue any minor offered at Rutgers University-New Brunswick:
- Agroecology
- Animal Science
- Biochemistry
- Community Health Outreach
- Companion Animal Science
- Ecology, Evolution, and Natural Resources
- Endocrine Physiology and Health Sciences Entomology
- Environmental and Business Economics
- Environmental Policy, Institutions, and Behavior
- Environmental Sciences
- Equine Science
- Fisheries Science
- Food Science
- Leadership Skills
- Marine Sciences
- Meteorology
- Microbiology
- Nutrition
- Science Teacher Education
- Plant Science
- Professional Outreach and Development

CERTIFICATE PROGRAMS
Certificates are awarded only with or subsequent to the awarding of a baccalaureate degree in an approved major.
- Food Systems Education and Administration
- Horticultural Therapy
- International Agriculture/Environment
- Medicinal and Economic Botany
- Plant Biosecurity
- Social Strategies for Environmental Protection
- Urban/Community Forestry
- Environmental Geomatics
- Environmental Planning
- Evolutionary Medicine (Joint SAS/SEBS Certificate)

University Career Services connects students with internships, externships, and cooperative education opportunities, as well as maintains a network of alumni who offer advice, networking opportunities, internships, and jobs to new graduates. The office sponsors job and internship fairs every year that attract hundreds of recruiters from New York, New Jersey, and Pennsylvania.

INTERNSHIPS/CO-OPS
More than 45 percent of SEBS students undertake an internship/co-op during their undergraduate years. Recent internship/co-op sites:
- Camden Riversharks
- City Green Inc.
- Colgate-Palmolive
- Colts Head
- Veterinary Services
- Devils Arena Entertainment
- Edison Wetlands Association
- Merrill Lynch
- Middlebrook Regional Health Commission
- Middlesex County Planning Board
- National Park Service
- Pinnacle Foods
- Robert Wood Johnson Fitness and Wellness
- Robertet Flavors Inc.
- Saint Peter’s Sports Medicine Institute
- SportsCare
- Physical Therapy
- The Global Renewable Energy Education Network
- The Sickle Cell Association of New Jersey
- Waksman Institute
- WholeFoods Magazine

GRADUATE SCHOOLS
A sampling of schools where recent SEBS graduates have gone on to earn advanced degrees:
- Boston University
- Cambridge University (UK)
- City University of New York
- Cornell University
- Drexel University
- Emory University
- Hunter College
- National Academy of Sciences
- New Jersey Medical School
- New York Medical College
- New York University
- Northeastern University
- Ohio State University
- Pennsylvania State University—Wilkes-Barre
- Princeton University
- Rutgers University
- Teachers College, Columbia University
- Texas A&M University
- University of Pennsylvania
- University of the Sciences in Philadelphia

EMPLOYMENT
A sampling of companies and organizations where SEBS graduates have found employment:
- Accenture
- Bloomberg L.P.
- Campbell’s Soup Company
- Chickadee Creek
- Colgate-Palmolive
- DuPont
- East Brunswick Recreation and Parks
- Environmental and Occupational Health Sciences Institute
- H.J. Heinz Co.
- Honey Brook Organic Farm
- International Flavors & Fragrances Inc.
- Johnson & Johnson
- Kerry Group
- Land Stewards LLC
- Langan Engineering and Environmental Services
- The Population Council
- Tamarack Golf Course
- The Dannon Company Inc.
- The National Academy of Sciences Institute
- Unilever
- University of North Carolina at Chapel Hill
- Wegmans Food Markets Inc.