

BIOLOGY

From Study to Skills

The biology major is designed to give students a broad introduction and foundation to the many areas of biological science. The biology major provides a foundation for a variety of careers, such as: basic research; pharmaceutical, agricultural, and environmental fields; federal, state, and local government positions; and management or administration. In addition, students who complete the major will also have fulfilled the minimum requirements for pre-medicine, pre-veterinary medicine, and pre-dentistry. As part of the major, students have the opportunity to work with a faculty member on a research project for credit in their junior or senior year by registering for Special Problems in Biology. Students may also receive credit for research-based internships by arrangement with the Career Center.

Related Fields: Biochemistry, Botany, Chemistry, Genetics, Environmental Sciences, Evolution and Ecology, Forensics, Medicine, Microbiology, Neurology, Zoology

Skills and Abilities

Research Skills- Students will learn to define problems, perform experiments, record observations, interpret results, utilize statistical tests to predict outcomes, laboratory techniques, and teamwork.

Investigative Skills- Students will use the scientific method, identify problems, inspect and handle biological specimens, monitor experiments, and practice manual dexterity. Students will also perform complex problem solving, statistical analysis, reasoning, and organize information.

Communication Skills- Students will develop written communication skills, report results, interpret and write scientific articles, present alternative explanations, and contribute to teams.

Internships

In the Past, Rutgers—Camden Biology students have interned with the following employers:

American Water

Cherry Hill West High School Athletic
Department

The Children's Hospital of Philadelphia

Christiana Care Health System

Cooper University Hospital Emergency
Department

Coriell Institute for Medical Research

Deborah Heart and Lung Center

The Forensic Science Center

Fox Chase Cancer Center

Jefferson University Hospital

Johns Hopkins Cancer Center

NJBalance.com

Philadelphia Science Festival

Philadelphia Zoo

Rutgers-Camden Biology Department

Sustainable Camden County

Thomas Jefferson University

United States Department of Agriculture-
Agricultural Research Service

University of Pennsylvania, Department of
Anthropology

What Careers Are Available For Biology Majors

The following are samples of first jobs of Rutgers-Camden Biology majors:

Associate, Bayada Home Health Care
Behavior Support Associate, Bancroft
Crime Scene Analyst, CRA Inc.
High School Biology Teacher, Cherry Hill High School
Lab Technician, Medical Diagnostics Laboratories
Migrant Outreach Coordinator, Southern Jersey Family Medical

Microbiology Laboratory Prep Technician, EMSL Analytical Inc.
Production Associate, Media Radar Inc.
Quality Control Lab Technician, Mafco Worldwide Corporation
Research Assistant, Rutgers-Camden
Sr. Computer Operator, Brown Brothers Hariman
Co-Owner, Womb Service 3D/4D

Graduate School Options

Rutgers- Camden Biology majors have earned Master's and Doctorate level degrees in all fields of science and medicine. These degrees include the Allied Health Professions, Business, Education, Law, and Medicine. Here are just some of the programs that Rutgers—Camden alumni have pursued:

Post Graduate Programs

Arcadia University: Physician Assistant
BAMJ University: Biomedical Technology
Drexel University: Nursing, Physician Assistant
Drexel College of Medicine
Ernest Mario School of Pharmacy: Pharmacy
Ohio College of Podiatry
Philadelphia College of Osteopathic Medicine: Biology
Rowan/UMDNJ: Biology, Biomedical Sciences, Doctor of Osteopathy, Medicine

UMDNJ-NJDS: Dentistry
Rutgers-Camden: Biology, Biomedical Technology
Stockton University: Physical Therapy
Thomas Jefferson University: Cytotechnology
VCOM-Carolinas Campus: Medicine D.O.

Assistantships

Rutgers-Camden
University of Hawaii
Villanova University

Resources

Consider joining a professional organization such as:

American Institute of Biological Sciences

www.aibs.org

Federation of American Society for Experimental Biology

www.faseb.org

American Society of Microbiology

www.asm.org

Infectious Diseases Society of America

www.idsociety.org

Consider joining STEM Scholars or Q-STEP.
Or join the **Rutgers—Camden Biology Club**, **Chemistry Club**, or **Student Health Advocates**.

Assist a faculty member with their research.

Visit RaptorLink for internship opportunities in your field of interest.

Connect with professionals on LinkedIn.

Career Center:

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326 Penn Street
Camden, NJ 08102
856.225.6046
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<http://cc.camden.rutgers.edu>