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

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**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

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**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:**

Room 006 Campus Center, Lower Level  
326 Penn Street  
Camden, NJ 08102  
856.225.6046  
careercenter@camden.rutgers.edu  
http://cc.camden.rutgers.edu