BIOLOGY- Career Resource Guide

Potential Career Options

Below is a sample of related career options; for some, additional experience and/or further education may be helpful or required.

Aquatic Biologist	Study the classification, mode of life, functions, or adaptations of organisms inhabiting the sea.
Biologist	Study living organisms, often in the context of their environment.
Biology Teacher	Instruct courses in biology and other physical sciences to high school and middle school students.
Environmental Specialist	Protect the environment by determining problems and finding solutions used to eliminate hazards that can affect the overall health of the environment or population.
Forensic Scientist/ Technologist	Work with police departments and other law enforcement agencies using scientific methods to discover and process evidence that can be used to solve crimes.
Medical Laboratory Technician	Assist physicians in the diagnosis and treatment of diseases by performing tests on tissue, body fluids, and blood.
Microbiologist	Conduct exacting laboratory research combining knowledge of chemistry, physics, biology, and medicine.
Molecular Biologist	Analyze how biological aspects of life forms get passed from generation to generation.
Nutritionist	Advise on matters of food and nutritional impacts on health.
Research Biologist	Study the natural world, using the latest scientific tools and techniques in both laboratory settings and the outdoors, to understand how living systems work.
Zoologist	Study the origin, interrelationships, classification, life histories, habits, diseases, growth and development, genetics, and distribution of animals.

Sample Job Titles

Biochemist
Bioinformatician
Biological Science Technician
Biologist
Biophysicist
Botanist
Computational Biologist
Ecologist
Entomologist
Environmental Biologist
Environmental Science Assistant
Forensic Biologist
Forester
Hydrologist
Laboratory Technician
Medical Assistant
Mycologist
Naturalist
Pathologist
Physical Therapy Aide
Wildlife Biologist

Career Information Resources

Vault-Firsthand is a comprehensive career resource that includes industry and profession overviews; rankings and profiles for employers and internship programs; a job and internship database; career articles, blogs and videos; sample resumes, cover letters and interview questions; and over 100 career guides. A selection of the Vault Guides is listed below.

Vault Guide to…
Allied Healthcare Careers
Alternative Healthcare Jobs
Biology and Life Sciences Jobs
Chemistry Jobs
Dental Care Jobs
Earth Sciences Jobs
Education Jobs
Environmental Careers
Environmental Science and Conservation Jobs
Healthcare Management Jobs
Healthcare Provider Jobs
Nursing Jobs
Pharmaceuticals and Biotechnology Jobs
Veterinary Medicine and Animal Care Jobs

Vault Career Guide to…
Education
Healthcare Management
Pharmaceuticals and Biotechnology

Refer to the CSS website for links to Vault-Firsthand, Career Development Tip Sheets, and Handshake (jobs, career paths, events).

Associations/Societies

American Academy of Forensic Sciences	www.aafs.org
American Institute of Biological Sciences	www.aibs.org
American Medical Association	www.ama-assn.org
American Physiological Society *	www.the-aps.org
American Society for Biochemistry and Molecular Biology *	www.asbmb.org
American Society for Cell Biology *	www.ascb.org
American Society for Microbiology *	www.asm.org
American Society of Crime Laboratory Directors	www.ascld.org
Association for Environmental Studies and Sciences *	www.aessonline.org
Bioinformatics Organization *	www.bioinformatics.org
Ecological Society of America *	www.esa.org/esa
Federation of American Societies for Experimental Biology *	www.faseb.org
International Society for Computational Biology *	www.iscb.org
The Botanical Society of America *	www.botany.org
The Wildlife Society	www.wildlife.org

* Contains employment Listings

Career & Employment Websites

Biology Jobs	www.biologyjobs.com
BioSpace – Life Science News & Jobs	www.biospace.com
Conservation Job Board	www.conservationjobboard.com
Environmental Career Opportunities	www.ecojobs.com
Environmental Career.com	www.environmentalcareer.com
Jobs in Science	www.jobsinscience.org
Laboratory Jobs	www.laboratoryjobs.com
New Scientist Jobs	www.newscientistjobs.com/jobs
Occupational Outlook Handbook – Life, Physical, and Social Science	www.bls.gov/ooh/life-physical-and-social-science/home.htm
Science Careers from the Journal Science	www.sciencemag.org/careers
Science Jobs.org	www.sciencejobs.org

Refer to the Career and Professional Development Center for job search resources and to link to Handshake (job postings and events).

Selected RMU Activities & Organizations

Association of Computing Machinery (Bioinformatics)	Premedical Chapter of the American Student Medical Association
Biology Club	Pre-Physicians Assistants Club
PA State Education Association - Student	Student Government Association
Pre-Law Society	Student Program Board
Pre-Med Club	Students for Environmental Awareness

Refer to Revolution for a complete listing of student organizations.

Bachelor-Level Internship Organizations

Allegheny General Hospital	Ohio Valley Hospital
Allegheny Health Center	PhysAssist Scribes, Inc.
Carnegie Museums of Pittsburgh	Pittsburgh Zoo & PPG Aquarium
Champion Physical Therapy	Pivot Physical Therapy
Fern Hollow Nature Center	Pro-Medica Physicians Cardiology
GLA Water Consultants	Rite Aid Pharmacy
Greater Pittsburgh Physical Therapy & Sports Medicine	University of Pittsburgh
Highmark Health	UPMC – Hamot
Humane Animal Rescue Wildlife Center	Weirton Medical Center
Magee Women's Research Institute and Foundation	Westmoreland County Coroner's Office

Bachelor-Level Hiring Organizations

AlixaRx	Dairy Farmers of America
Allegheny General Hospital	Duquesne University
Anne Arundel Medical Center	Grove City Medical Center
Chester County Hospital	PA Air National Guard
Cigna	Passavant Memorial Hospital
City of Fredericton, Parks and Trees	UPMC
Creek Connections	Wake Orthopedics LLC