

BIOLOGY- Career Resource Guide

Career Options

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.

Business/Industry/Government Job Titles

Biochemist	Entomologist	Microbiologist
Bioinformatician	Environmental Biologist	Molecular Biologist
Biological Science Technician	Fishery Biologist	Mycologist
Biologist	Forensic Biologist	Nutritionist
Biophysicist	Forester	Pathologist
Botanist	Hydrologist	Plant Protection and Quarantine Technician
Computational Biologist	Interdisciplinary Scientist	Wildlife Biologist
Ecologist	Medical Laboratory Technician	Zoologist

Periodicals/Books of Interest

Career Center Library

Career Opportunities in Biotechnology and Drug Development
 Career Opportunities in Forensics
 Career Opportunities in Science
 Opportunities in Biological Science Careers

Opportunities in Physician Careers
 Physician Assistants & Nurses: New Opportunities in the
 21st Century Health System
 Planning a Life in Medicine

Associations/Societies

American Institute of Biological Sciences	www.aibs.org
American Physiology 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
Bioinformatics Organization *	www.bioinformatics.org
BioPlanet *	www.bioplanet.com
Ecological Society of America *	www.esa.org
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

* 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 Jobs and Careers	www.ecoemploy.com
Laboratory Jobs	www.laboratoryjobs.com
Multicultural Environmental Leadership Development Initiative	www.meldi.snre.umich.edu
New Scientist Jobs	www.newscientistjobs.com/jobs
Occupational Outlook Handbook – Life, Physical, and Social Science	www.bls.gov/ooh
Science Careers from the Journal Science	www.sciencecareers.sciencemag.org
Science Jobs.org	www.sciencejobs.org

Note: A helpful list of general job search websites is available on the Internet Tip Sheet at www.rmu.edu/careercenter.

Selected RMU Academic, Professional & Leadership Organizations

Association of Computing Machinery (Bioinformatics)	Pre-Law Society
Biology Club	Pre-Med Club
National Science Teachers Association	Student Government Association
Office of Student Civic Engagement	Student Program Board
PA State Education Association - Student	Students for Environmental Awareness

Bachelor-Level Internship Organizations

Allegheny General Hospital	Life in Motion Chiropractic Center
Animal Rescue League & Wildlife Center	MedExpress Urgent Care
Cremation & Funeral Care	Ohio Valley Hospital
East Butler Volunteer Fire Department	Pittsburgh Zoo & PPG Aquarium
Fern Hollow Nature Center	Robinson Emergency Medical Services, Inc.
Giant Eagle Pharmacy	Sisk Chiropractic
Greater Pittsburgh Physical Therapy & Sports Medicine	Skills of Central Pennsylvania, Inc.
Heritage Valley Health System	St. Francis Medical Center
Integrated Medical Group, P.C.	The pt Group
Johns Hopkins Hospital	WellSpan York Hospital

Sample of Pittsburgh-Area Life Sciences/Medical Device Organizations

Aesynt Incorporated	Instrumentation Industries, Inc.
ALung Technologies, Inc.	Kadmon Corporation, LLC
Bayer Healthcare	Net Health
BioTronics Inc.	Novum Pharmaceutical Research Services
CECity.com, Inc.	Oberg Industries
ChemImage Corp.	PerkinElmer Inc.
Douglas Laboratories	Philips Respironics
DynaVox Inc.	RJ Lee Group, Inc.
E.A. Fischione Instruments, Inc.	The Tomayko Group, LLC
ERT	Thermo Fisher Scientific
Haemonetics Corporation	Waters Corporation
Helomics	Zoll Medical Corporation