



What can I do with a major in **BIOLOGY** from Valparaiso University?

Description of major:

Biology is the disciplined study of living organisms. The study of biology may be at many levels: molecular, cellular, organism, population, community, ecosystem. The department offers instruction at each of these levels designed to meet the requirements for graduate study, for professional schools, for a teaching career in biology or for working in industrial or government positions.

Relevant skills for a BIOLOGY major:

- ◆ Trace problems to their sources
- ◆ Analyze communication situations
- ◆ Analyze community needs
- ◆ Analyze manpower requirements
- ◆ Anticipate problems
- ◆ Critiquing
- ◆ Make decisions
- ◆ Diagnose
- ◆ Interview
- ◆ Have mathematical skills
- ◆ Organize/classify
- ◆ Perceive/define cause and effect relationship
- ◆ Perform ambiguous or abstract tasks
- ◆ Solve Problems
- ◆ Recognize elements, relationships, structures, and organizing principles
- ◆ Review large amounts of material and extracting essence
- ◆ Review/evaluate
- ◆ Screen
- ◆ Clarify problems/situations
- ◆ Survey
- ◆ Systematize/organize material
- ◆ Trouble-shoot
- ◆ Work independently
- ◆ And others!

Sample work activities for Graduates in BIOLOGY (some may require an advanced degree)

- Agriculture scientist
- Biochemist
- Biological researcher
- Biology photographer
- Biostatistician
- Botanist
- College Professor & Researcher
- Consumer Product Researcher
- Dietetics Technician
- Ecologist
- Educational TV Producer
- Entomologist
- Environmental Educator
- Environmental Impact Specialist
- Fisheries Biologist
- Forester
- Genetic Counselor
- Health information specialist
- Horticulturist
- Industrial Hygienist
- Insurance Claims Representative
- Marine Biologist
- Medical Illustrator
- Medical Technologist
- Microbiologist
- Museum Curator
- Nuclear Medicine Technician
- Park Naturalist
- Pharmaceutical Researcher
- Pharmacologist
- Physician
- Plant Pathologist
- Professional Magazine Editor
- Public Health Officer
- Research Technician
- Science Librarian
- Science Writer
- Scientific Illustrator
- Scientific Information Specialist
- Secondary Science Teacher
- Technical Representative
- Technical Writer
- Toxicologist
- Veterinarian
- Wildlife Manager
- Zoo Keeper/Curator
- And others!

Potential hiring institutions for BIOLOGY majors:

- ◆ Agriculture Department
- ◆ Aquariums
- ◆ Arboretums
- ◆ Biotechnology Companies
- ◆ Botanical Gardens
- ◆ Chemical Industries
- ◆ Colleges and Universities
- ◆ Consulting Firms
- ◆ Cosmetic Companies
- ◆ Educational Institutions
- ◆ Energy Department
- ◆ Fish & Wildlife Service
- ◆ Food Processors
- ◆ Government Agencies
- ◆ Hatcheries
- ◆ Hospitals
- ◆ Local, state, and federal government
- ◆ Pharmaceutical Companies
- ◆ Plant & Animal Industries
- ◆ Public Health Agencies
- ◆ Publishers
- ◆ Research & Development
- ◆ Utility Companies & Industries
- ◆ Zoological Parks
- ◆ And others!

Area of further education for BIOLOGY majors:

- Anatomy
- Agricultural Science
- Biochemistry
- Biological Immunology
- Biometrics
- Biophysics
- Biostatistics
- Biotechnology
- Botany
- Cell Biology
- Chiropractic Medicine
- Dentistry
- Ecology
- Evolutionary Biology
- Forensic Medicine
- Genetics
- Horticulture
- Law
- Marine Biology
- Medicine
- Microbiology
- Molecular Biology
- Neuroscience
- Nutrition
- Occupational Therapy
- Optometry
- Parasitology
- Pharmacy
- Physical Therapy
- Physiology
- Veterinary Medicine
- Toxicology
- Virology
- Zoology
- And others!

Sources of additional information for BIOLOGY majors:

- Valparaiso University Department of Biology: <http://www.valpo.edu/biology/>
- Occupational Outlook Handbook: the US Bureau of Labor Statistics compiles information about various occupations, including the nature of the work, the job outlook, the earnings, and other relevant information. <http://www.bls.gov/oco/oco1002.htm>
- American Association for the Advancement of Science: the world's largest general science organization and publisher of the peer-reviewed journal Science. With more than 138,000 members and 275 affiliated societies, AAAS serves as an authoritative source for information on the latest developments in science and bridges gaps among scientists, policy-makers and the public to advance science and science education. Site includes a page on Science Careers. <http://www.aaas.org/>
- American Institute of Biological Sciences: a national center for biologists and biological sciences. Site includes Classifieds and Careers. <http://www.aibs.org/core/index.html>
- American Society for Microbiology: the oldest and largest single life science membership organization in the world. Site includes Career Information and a Student Section. <http://www.asm.org/>
- Bio Online: a distributed on-line community of scientists, professionals, businesses, and organizations supporting the life sciences for the purposes of facilitating communications and disseminating information within that community. Site includes a Career Center. <http://www.bio.com>
- BioExchange: Job board for biotechnology & pharmaceutical industries, hundreds of jobs, entry-level to executive. <http://career.bioexchange.com>
- BiologyJobs: Employment resource for life science jobs. <http://www.biologyjobs.com>
- BioSpace.Com: a business-to-business life sciences "hubsite" for the industry with the overriding goal of improving productivity in the process of discovery. Site include job opportunities. <http://www.biospace.com/>
- BioView: The web's premier site for Biopharmaceutical jobs, news, information and resources. <http://www.bioview.com/>
- Hirehealth.com: A national database of jobs in the pharmaceutical, biotechnology, life science, clinical research, medical & health industries. <http://www.hirehealth.com>
- National Science Foundation: an independent U.S. government agency responsible for promoting science and engineering through programs that invest over \$3.3 billion per year in almost 20,000 research and education projects in science and engineering. The Biology component is funded by The Directorate of Biological Sciences. This site contains information specific to students and Job Opportunities. <http://www.nsf.gov/>

- ParkNet: The official website for the National Park Service. Includes interesting information about nature and science in the parks as well as an InfoZone with job opportunities. <http://www.nps.gov/>
- Science Magazine's Next Wave: the career development resource for scientists. <http://nextwave.sciencemag.org/>

VU Career Center Resource Library Materials:

- *Allied Health Professions*
- *Alternative Careers In Science : Leaving The Ivory Tower*
- *Alternatives To The Peace Corps : A Directory Of Third World And US Volunteer Opportunities*
- *Book Of U.S. Government Jobs : Where They Are, What's Available, And How To Get One*
- *Career Opportunities In Health Care*
- *Career Opportunities In Health Care*
- *Career Opportunities In Law And The Legal Industry*
- *Career Opportunities In Science*
- *Careers For Animal Lovers & Other Zoological Types*
- *Careers For Environmental Types & Others Who Respect The Earth*
- *Careers For Introverts & Other Solitary Types*
- *Careers For Nature Lovers & Other Outdoor Types*
- *Complete Guide To Environmental Careers In The 21st Century*
- *Directory Of Consultants*
- *Earth Work : Resource Guide To Nationwide Green Jobs*
- *Electronic Federal Resume Guidebook & CD-ROM*
- *Essays That Worked For Law Schools : 35 Essays From Successful Applications To The Nation's Top Law Schools*
- *Federal Personnel Guide 2003*
- *Government Job Finder*
- *Graduate Programs In Biology*
- *Graduate Programs In Physical Sciences*
- *Graduate Programs In The Health Professions*
- *GRE Exam 2003*
- *Great Jobs For Biology Majors*
- *Great Jobs For Biology Majors*
- *Guide To America's Federal Jobs : A Complete Directory Of Federal Career Opportunities*
- *Guide To Graduate Environmental Programs*
- *Healthcare Careers : Chicago, Your Kind Of Town*
- *Health-Care Careers For The 21st Century*
- *Hospital Blue Book*
- *Internships With America's Top Companies*
- *Job Surfing : The Sciences--Research And Medicine : Using The Internet To Find A Job And Get Hired*
- *Jobbank Guide To Health Care Companies*
- *Law Schools*
- *LSAT 2003*
- *MCAT Workbook*
- *One L*
- *Opportunities In Animal And Pet Care Careers*
- *Opportunities In Biological Science Careers*
- *Opportunities In Biotechnology Careers*
- *Opportunities In Chemistry Careers*
- *Opportunities In Chiropractic Health Care Careers*
- *Opportunities In Clinical Laboratory Science Careers*
- *Opportunities In Energy Careers*
- *Opportunities In Environmental Careers*
- *Opportunities In Federal Government Careers*
- *Opportunities In Forensic Science Careers*
- *Opportunities In Forestry Careers*
- *Opportunities In Government Careers*
- *Opportunities In Health And Medical Careers*
- *Opportunities In Law Careers*
- *Opportunities In Marine And Maritime Careers*
- *Opportunities In Medical Imaging Careers*
- *Opportunities In Medical Technology Careers*
- *Opportunities In Nutrition Careers*
- *Opportunities In Occupational Therapy Careers*
- *Opportunities In Osteopathic Medicine Careers*
- *Opportunities In Paramedical Careers*
- *Opportunities In Petroleum Careers*
- *Opportunities In Physical Therapy Careers*
- *Opportunities In Physician Careers*
- *Opportunities In Public Health Careers*
- *Opportunities In Speech-Language Pathology Careers*
- *Opportunities In Sports Medicine Careers*
- *Opportunities In Technical Sales Careers*
- *Opportunities In Veterinary Medicine Careers*
- *Opportunities In Waste Management And Recycling Careers*
- *Optometry, A Career With Vision*
- *Peterson's Game Plan For Getting Into Law School*
- *Peterson's Graduate Programs In Business, Education, Health, Information Studies, Law & Social Work*
- *Peterson's Graduate Programs In Engineering & Applied Sciences*
- *Peterson's Graduate Programs In The Biological Sciences*
- *Peterson's Graduate Programs In The Physical Sciences, Mathematics, Agricultural Sciences, The Environment & Natural Resources*
- *Pfizer Guide: Pharmacy Career Opportunities*
- *Phd Factory : Training And Employment Of Science And Engineering Doctorates In The United States*
- *Regional Life Science Employment Directory*
- *Resource Guide To Careers In Toxicology*
- *Resumes For Environmental Careers*
- *Resumes For Government Careers*
- *Resumes For Health And Medical Careers*
- *Resumes For Scientific And Technical Careers*
- *So You Want To Be A Lawyer : A Practical Guide To Law As A Career*
- *Student's Guide To Legal Internships and others!*

For more information about majoring in BIOLOGY, contact:

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For more questions about your career decisions, please make an appointment with a VU Career Counselor by calling 464-5005, stopping by the Career Center in Alumni Hall or e-mailing us at Career.Center@valpo.edu
