



## Biological Sciences



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Using information from the University of Maryland graduation survey, we have compiled information about Biological Sciences majors, such as where they work or go to graduate school post-graduation. Check out the topics below to learn more about planning for your career! For more information, follow the link to the University Career Center at CMNS (UCC@CMNS): [go.umd.edu/uccatcmns](http://go.umd.edu/uccatcmns)

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### Industries and Career Paths

**Biological Sciences** majors are employed in governmental, industrial and academic organizations and non-academic settings. According to the American Institute of Biological Sciences, Biologists "may study evolution, natural history, and conservation of plants and animals; investigate the interactions of living organisms with light, the environment, or each other; or have careers in pharmaceuticals, biotechnology, or medical research."

### Organizations

The following list showcases employers of UMD Biological Sciences undergraduates:

- National Institutes of Health (NIH)
- Henry M. Jackson Foundation for the Advancement of Military Medicine
- ScribeAmerica
- Uniformed Services University of Health Sciences
- Aerotek
- Covance
- Gene Dx
- National Oceanic and Atmospheric Administration (NOAA)
- Peace Corps
- AstraZeneca
- Accenture
- U.S. Food and Drug Administration
- Publicis.Sapient
- MedImmune LLC
- SoBran Bioscience
- Deloitte Consulting
- Children's National Medical Center
- Holy Cross Hospital

### Job Titles

The sample job titles below exemplify positions Biological Sciences majors are qualified for upon graduation. This is not an exhaustive list, but a starting point for exploration.

- Research Associate/Assistant
- Project Manager
- Medical Scribe
- Medical/Dental Assistant
- Physical Therapy Aide
- Science Health Policy Analyst
- Lab Technician/Manager
- Bioinformatics Analyst
- Clinical Assistant
- Analyst
- Clinical Data Specialist
- Genetic Counseling Assistant
- Science Teacher
- Care Coordinator



## Graduate Schools

The following is a list of schools where graduates are pursuing graduate degrees:

- Cornell University
- George Mason University
- George Washington University
- Georgetown University
- Harvard University
- Howard University
- Johns Hopkins University
- Rutgers University
- Stanford University
- Temple University
- University of California, San Francisco
- University of Maryland
- University of Maryland, Baltimore
- University of North Carolina, Chapel Hill
- University of Pennsylvania
- University of Virginia

## Skills Developed as a Biological Sciences Major

The University of Maryland will prepare each student with many different skills to take into the workplace. These skills will come from academic coursework as well as co-curricular experiential learning opportunities. For insight into what employers are looking for, review the skills inventory list ([go.umd.edu/skillslist](http://go.umd.edu/skillslist)) to examine ways to include technical and cross-disciplinary skills on a resume, in interviews and on LinkedIn. The following link highlights “must have” career readiness competencies, according to employers: ([go.umd.edu/fourcompetencies](http://go.umd.edu/fourcompetencies)).

This major will prepare you with the following technical and cross-disciplinary skills to:

1. define a research question and design an experiment to answer it in a meaningful and scientific way
2. gather and analyze data, to see relationships among different factors affecting the data, and to draw meaningful conclusions from these data
3. apply appropriate mathematical calculations and modeling to scientific problems
4. communicate via research proposals, journal papers, and oral presentations
5. collaborate efficiently and productively with other researchers
6. master computers and other technology, such as centrifuges, microscopes, spectrophotometers, and electrophysiological data collection equipment

## Biological Sciences Major Resources

The following resources will help you explore relevant career paths, as well as job postings:

- American Institute of Biological Sciences: [aibs.org](http://aibs.org)
- Association of Applied Biologists: [aab.org.uk](http://aab.org.uk)
- Vault – Employer/Industry insights, rankings and reviews: [vault.com](http://vault.com)
- Biological and Other Life Sciences Jobs:  
<https://access.vault.com/recordurl?nid=9781438191782gpv&wid=256769&vid=1>