

Career Outlook: Biology

Biology Programs Available at Bemidji State University:

Majors: Biology (B.S., B.A.), Wildlife Biology (B.S.), Biochemistry, Cellular and Molecular Biology, (B.S.), Science Education (B.S.) –Life Science Specialty (Teacher Licensure), Aquatic Biology (B.S.), – see separate Career Outlook **Minors:** Biology, Wetlands Ecology

Emphases: Biochemistry, Cellular and Molecular, Medical Sciences

Related Program: Medical Laboratory Science (B.S.) – see separate Career Outlook

Department Website: <http://www.bemidjistate.edu/academics/departments/biology>

EMPLOYMENT AREAS AND PROJECTED DEMAND:

The "Occupational Outlook Handbook" (OOH) reports that biological technicians held about 85,000 jobs in 2018. About 29% of all biological technicians were employed in colleges, universities, and professional schools, state and private; and 29% were employed by research and development in the physical, engineering, and life sciences. 11% of biology technicians worked for the federal government, excluding postal service; 6% worked in the pharmaceutical and medicine manufacturing and the healthcare field; and another 10% worked in hospitals, state, local, and private. OOH reports the nationwide demand for biological technicians is expected to grow 7% (faster than average) through 2028. People established in their career generally earn between \$29,330 to \$71,440 per year, with a median salary of \$44,500 per year in 2018. A bachelor's degree is adequate for many non-research positions in biology. However, a master's degree is often required for applied research and jobs in management and a Ph.D. for college teaching.

PLACEMENT INFORMATION FOR BIOLOGY GRADUATES:

Of the 12 Bemidji State University 2017-2018 Biology graduates holding a B.A., 50% reported related employment. Of the 33 Bemidji State University 2017-2018 Biology graduates holding a B.S., 70% reported obtaining related employment within one year of graduation, with 16 students continuing their education. 76.5% of the 27 Wildlife Biology B.S. graduates and 83.3% of the Science teachers in 2017-2018 reported related employment within one year of graduation. This does not include students who were not seeking employment, continuing their education, unavailable, or had unknown status.

PARTIAL LIST OF EMPLOYERS WHO HAVE REPORTED HIRING BSU BIOLOGY GRADUATES*:

(This list only includes employment within one year of graduation.)

U.S. Forest Service	Forestry Technician	Gladstone, MI
Becker SWCD	Shoreland Restoration Tech Crew	Detroit Lakes, MN
AmeriCorps/Conservation Corps MN & IA	Member	Fergus Falls, MN
Lowry Nature Center	Naturalist	Victoria, MN
Reeds Sporting Goods	Sales Associate	Walker, MN
Nobles County SWCD	Farmbill Technician	Worthington, MN
USGS	Breeding Bird Survey Technician	Hinsdale, MT
State of ND	Seasonal Tech.	Lake Ilo, ND
CEMMC	Karner Blue Butterfly Tech.	Fort McCoy, WI
Grand Portage	Conservation Technician	Grand Portage, MN
Prairie Restorations, Inc.	Solar Management Specialist	Watertown, MN
Bio-Techne	Manufacturing Technician	Minneapolis, MN
PhysAssist Scribes, Inc.	Chief Scribe (Emergency Medicine)	Bemidji, MN
ScribeAmerica	Chief Scribe	New Brighton, MN
The Tru Shrimp Company	Lab Technician	Balatin, MN

COLLEGES AND UNIVERSITIES WHERE BSU BIOLOGY GRADUATES HAVE GONE TO CONTINUE THEIR EDUCATION:

- Bemidji State University, Bemidji, MN
- Louisiana State University, Baton Rouge, LA
- Midwestern University, Downers Grove, IL
- St. Catherine University, St. Paul MN
- St. Jude School of Biomedical Sciences, Memphis, TN
- University of Minnesota Duluth, Duluth, MN
- University of Minnesota Medical School, Duluth, MN
- University of Minnesota Twin Cities, Minneapolis, MN
- University of North Dakota, Grand Forks, ND
- University of Saskatchewan, Saskatoon, SA

*Degrees alone do not get students jobs. Internships, summer jobs, volunteer work, part-time jobs, work-study positions, and active participation in student organizations on campus are all ways to become more competitive in a tight job market.

Bibliography:

Annual Graduate Follow-Up Study 2017-2018. Bemidji State University, Bemidji, MN (2020)

Bemidji State University Undergraduate Catalog 2019-2020. Bemidji State University, Bemidji, MN (2020)

Occupational Outlook Handbook. U.S. Dept. of Labor, JIST Publishing Inc., Indianapolis, IN (2019)

For more information, contact Career Services; Decker Hall/218-755-2038/career@bemidjistate.edu

For more job listings please visit:



http://www.bemidjistate.edu/students/services/career/job_search/jobs/



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