

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, Wildlife Biology, Aquatic Systems, Fisheries 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 87,500 jobs in 2019. About 27% of all biological technicians were employed in colleges, universities, and professional schools, state and private; and 32% were employed by research and development in the physical, engineering, and life sciences. 8% of biology technicians worked for the federal government, excluding postal service; 5% 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 5% (faster than average) through 2029. People established in their career generally earn between \$29,540 to \$73,350 per year, with a median salary of \$45,860 per year in 2019. 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 8 Bemidji State University 2018-2019 Biology graduates holding a B.A., 100% reported related employment. Of the 36 Bemidji State University 2018-2019 Biology graduates holding a B.S., 69.2% reported obtaining related employment within one year of graduation, with 12 students continuing their education. 72.7% of the 18 Wildlife Biology B.S. graduates and 100% of the Science teachers in 2018-2019 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.)

AmeriCorps National Service Trust/CNS	Field Specialist	Brainerd, MN
Beckman Coulter	Validation Scientist	Chaska, MN
Buckley Tree Service	Arborist	Mequon, WI
Fairview Health Services	Nursing Station Technician	Minneapolis, MN
Iowa State University	Waterfowl Research Technician	Ames, IA
Mitchell County Conservation	Wildlife Technician	Osage, IA
Minnesota Department of Natural Resources	NR Tech	St. Paul, MN
National Institutes of Health	Post Baccalaureate	Bethesda, MD
Northwoods Humane Society	Animal Care Technician	Wyoming, MN
Sanford Health	Phlebotomist	Bemidji, MN
Shriners HealthCare System	Laboratory Director	Minneapolis, MN
Village Vets	Veterinary Technician	Atlanta, GA
Wisconsin Department of Natural Resources	Wildlife Technician and Visitor Services	Grantsburg, WI

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

- Alexandria Technical & Community College, Alexandria, MN
- Bemidji State University, Bemidji, MN
- Central Lakes College, Brainerd, MN
- St. Scholastica, Duluth, MN
- University of Kansas, Lawrence, KS
- University of Minnesota Twin Cities, Minneapolis, MN
- University of Minnesota Duluth, Duluth, MN
- University of Nebraska Medical Center, Omaha, NE
- University Of North Dakota, Grand Forks, ND
- University of Sioux Falls, Sioux Falls, SD
- UW La Crosse, La Crosse, WI
- Washington University, St. Louis, MO
- West Virginia University, Morgantown, WV

*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 2018-2019. Bemidji State University, Bemidji, MN (2021)

Bemidji State University Undergraduate Catalog 2020-2021. Bemidji State University, Bemidji, MN (2021)

Occupational Outlook Handbook. U.S. Dept. of Labor, JIST Publishing Inc., Indianapolis, IN (2020)

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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