

# Career Outlook: Biology

## Biology Programs Available at Bemidji State University:

**Majors:** Biology (B.S., B.A.); Wildlife Biology (B.S.) – see separate Career Outlook; 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 84,300 jobs in 2021. About 25% 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. 11% of biology technicians worked for the federal government, excluding postal service; 7% worked in the pharmaceutical and medicine manufacturing and the healthcare field; and another 8% worked in hospitals, state, local, and private. OOH reports the nationwide demand for biological technicians is expected to grow 9% (faster than average) through 2031. People established in their career generally earn between \$31,170 to \$78,090 per year, with a median salary of \$48,140 per year in 2021. 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 2020-2021 Biology graduates holding a B.A., 85.7% reported obtaining related employment within one year of graduation, with 5 students continuing their education. Of the 19 Bemidji State University 2020-2021 Biology graduates holding a B.S., 50% reported obtaining related employment within one year of graduation, with 6 students continuing their education. Of the 9 Bemidji State University 2020-2021 Biochemistry Cellular and Molecular graduates holding a B.S., 66.7% reported obtaining related employment within one year of graduation, with 5 students continuing their education. 100% of the Science teachers in 2020-2021 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.)

Element Materials Technology	Microbiologist	Eagan, MN
Medtronic	Clinical Safety Coordinator	Mounds View, MN
Merieux NutriSciences	Operational Supervisor of Microbiology	Minnetonka, MN
Mount Royale	Dental Assistant	Duluth, MN
Northwest Indian CDC	Data Entry Specialist	Bemidji, MN
Park Nicollet Methodist Hospital	Pharmacy Technician	St. Louis Park, MN
Provident Home Healthcare	Patient Care Assistant	Saint Anthony, MN
STERIS Laboratories	DET Laboratory Technician II	Brooklyn Park, MN
Vandehey Company	Greenhouse Manager	Appleton, WI

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

- Bemidji State University, Bemidji, MN
- Des Moines University, Des Moines, IA
- Maryville University of St. Louis, St. Louis, MO
- Rocky Mountain College, Billings, MT
- Tarleton State University, Stephenville, TX
- University of Kentucky, Lexington, KY
- University of Manitoba, Winnipeg, MB
- University of Minnesota College of Veterinary Medicine, St. Paul, MN
- University of Minnesota Twin Cities, Minneapolis, MN
- University of North Dakota, Grand Forks, ND

\*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 2020-2021. Bemidji State University, Bemidji, MN (2023)

Bemidji State University Undergraduate Catalog 2022-2023. Bemidji State University, Bemidji, MN (2023)

Occupational Outlook Handbook. U.S. Dept. of Labor, JIST Publishing Inc., Indianapolis, IN (2022)

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

**For more job listings please visit:**

# Handshake

[http://www.bemidjistate.edu/students/services/career/job\\_search/jobs/](http://www.bemidjistate.edu/students/services/career/job_search/jobs/)



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