

Career Outlook: Mathematics

Mathematics Programs Available at Bemidji State University:

Major: Mathematics (B.S.); Mathematics Education: Teacher Licensure (B.S.) **Minor:** Mathematics

Fields of Emphasis: General, Applied, Actuarial

Related Major: Elementary Education: Mathematics (B.S.)

Department Website: <https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/>

EMPLOYMENT AREAS AND PROJECTED DEMAND:

The "Occupational Outlook Handbook" (OOH) reports that mathematicians and statisticians held about 36,100 jobs in 2021. Mathematicians held about 2,000 jobs. 62% worked in federal government; 13% worked in colleges, universities and professional schools and 13% worked in management, scientific, and technical consulting services. Statisticians held about 34,200 jobs in 2021. 15% worked in federal government; 14% worked in scientific research development services; and 14% worked with insurance carriers and healthcare and social assistance.

OOH reports that the nationwide demand for mathematicians and statisticians is expected to grow 31% (much faster than average) through 2031, with established mathematicians generally earning between \$61,760 and \$169,500 per year. The median pay in 2021 was \$108,100 per year. Statisticians earned a median pay of \$95,570 per year in 2021. Many mathematicians and statisticians have advanced degrees. The median annual wage for high school teachers was \$61,820 in 2021

PLACEMENT INFORMATION FOR MATHEMATICS GRADUATES:

There are many career opportunities for Bemidji State University Mathematics graduates. Of the 5 Bemidji State University 2020-2021 Mathematics graduates with a B.S., one reported obtaining employment within one year of graduation and one continued their education. Two were status unknown. Of the 2 Bemidji State University 2020-2021 Mathematics graduates with an Education B.S., 100% reported obtaining related employment within one year of graduation. This does not include students who were not seeking employment, unavailable, or had unknown status.

PARTIAL LIST OF EMPLOYERS WHO HAVE REPORTED HIRING BSU MATHEMATICS GRADUATES*: (This list only includes employment within one year of graduation for the years 2019-2021.)

Bemidji Middle School	Teacher	Bemidji, MN
Cass Lake High School	Math Teacher	Cass Lake, MN
Duluth Edison Charter School	Math Interventionist/Teacher	Duluth, MN
Epic Systems	Technical Services Engineer	Verona, WI
ISD #115 Cass Lake-Bena	High School Math Teacher	Cass Lake, MN
Kelliher Public Schools	Math Teacher	Kelliher, MN
Mad Dog Products	Shipping Operations Manager	Minneapolis, MN
Northern Wholesale Supply	Inventory Planner	Lino Lakes, MN
Sartell School District	Middle School Math Teacher	Sartell, MN
Schoolcraft Learning Community	Teacher	Bemidji, MN

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

- Levy Institute, Annandale-on-Hudson, NY

*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

<https://www.bemidjistate.edu/services/career/events-guides-resources/job-listings/>



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