

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: Math (B.S.)

Department Website: http://www.bemidjistate.edu/academics/departments/math_computer_science/mathematics/

EMPLOYMENT AREAS AND PROJECTED DEMAND:

The "Occupational Outlook Handbook" (OOH) reports that mathematicians and statisticians held about 47,300 jobs in 2018. Mathematicians held about 2,900 jobs. 40% worked in federal government; 15% worked in scientific research and development services; 19% worked in education services; and 5% worked in management, scientific, and technical consulting services. Statisticians held about 44,400 jobs in 2018. 11% worked in federal government; 12% worked in scientific research development services; and 18% worked with insurance carriers and healthcare and social assistance.

OOH reports that the nationwide demand for mathematicians and statisticians is expected to grow 30% (much faster than average) through 2028, with established mathematicians generally earning between \$57,150 and \$160,550 per year. The median pay in 2018 was \$101,900 per year. Statisticians earned a median pay of \$87,780 per year in 2018. Many mathematicians and statisticians have advanced degrees. The median annual wages for high school teachers was \$60,320 in 2018.

PLACEMENT INFORMATION FOR MATHEMATICS GRADUATES:

There are many career opportunities for Bemidji State University Mathematics graduates. Of the 11 Bemidji State University 2017-2018 Mathematics graduates with a B.S., 66.7% reported obtaining employment within one year of graduation and 9.1% continued their education. Of the 5 Bemidji State University 2017-2018 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.)

Academy for Science and Agriculture	7th & 8th Grade Math Teacher	Vadnais Heights, MN
Digi-Key Electronics	Software Engineer	Thief River Falls, MN
Green Bay Area Schools	High School Math Teacher	Green Bay, WI
Optum360	Financial Analyst	Eden Prairie, MN
Red Lake High School	High School Math Teacher	Red Lake, MN
Schoolcraft Learning Community	6-8th Grade Math Teacher	Bemidji, MN
Spectrum Middle School	Middle School Math Teacher	Elk River, MN
Vector Windows	Business Systems Analyst	Fergus Falls, MN

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

- University of Minnesota Duluth, Duluth, MN

*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:



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



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