**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/](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)

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/](https://www.bemidjistate.edu/services/career/events-guides-resources/job-listings/)