

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: 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 44,800 jobs in 2020. Mathematicians held about 2,700 jobs. 47% worked in federal government; 17% worked in colleges, universities and professional schools and 26% worked in management, scientific, and technical consulting services. Statisticians held about 42,000 jobs in 2020. 12% worked in federal government; 14% worked in scientific research development services; and 17% worked with insurance carriers and healthcare and social assistance.

OOH reports that the nationwide demand for mathematicians and statisticians is expected to grow 33% (much faster than average) through 2030, with established mathematicians generally earning between \$61,130 and \$170,150 per year. The median pay in 2020 was \$110,860 per year. Statisticians earned a median pay of \$92,270 per year in 2020. Many mathematicians and statisticians have advanced degrees. The median annual wages for high school teachers were \$62,870 in 2020.

PLACEMENT INFORMATION FOR MATHEMATICS GRADUATES:

There are many career opportunities for Bemidji State University Mathematics graduates. Of the 3 Bemidji State University 2019-2020 Mathematics graduates with a B.S., two reported obtaining employment within one year of graduation and one continued their education. Of the 3 Bemidji State University 2019-2020 Mathematics graduates with an Education B.S. 50% 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 2019-2020.)

Bemidji Middle School	Teacher	Bemidji, MN
Cass Lake High School	Math Teacher	Cass Lake, MN
Epic Systems	Technical Services Engineer	Verona, WI
ISD #115 Cass Lake-Bena	High School Math Teacher	Cass Lake, MN
Mad Dog Products	Shipping Operations Manager	Minneapolis, MN
Sartell School District	Middle School Math Teacher	Sartell, MN
Schoolcraft Learning Community	Teacher	Bemidji, MN
Southwestern Advantage	Student Leader	Nashville, TN
Verndale Public School	Math Teacher	Verndale, MN

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

- Northcentral University, San Diego, CA

*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 2019-2020. Bemidji State University, Bemidji, MN (2022)

Bemidji State University Undergraduate Catalog 2021-2022. Bemidji State University, Bemidji, MN (2022)

Occupational Outlook Handbook. U.S. Dept. of Labor, JIST Publishing Inc., Indianapolis, IN (2021)

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/>