

# Career Outlook: Chemistry

## Chemistry Programs Available at Bemidji State University:

**Major:** Biochemistry, Cellular and Molecular Biology (B.S.), Chemistry (B.A., B.S.), Science Education (Chemistry) Teacher Licensure (B.S.)

**Fields of Emphasis:** Biochemistry, Cellular and Molecular, Chemistry, Biochemistry/Biotechnology, Environmental Chemistry, Criminalistics **Minor:** Chemistry

**Department Website:** <http://www.bemidjistate.edu/academics/departments/chemistry>

### **EMPLOYMENT AREAS AND PROJECTED DEMAND:**

The "Occupational Outlook Handbook" (OOH) reports that chemists and materials scientists held about 95,800 jobs in 2018. Chemists accounted for about 87,700 of these, and materials scientists accounted for about 8,100 jobs. Most of all chemists and material scientists were employed in chemical manufacturing and scientific research and development. Firms in this industry produce plastics and synthetic materials, drugs, soaps and cleaners, pesticides and fertilizers, paint, industrial organic chemicals, and other chemical products. About 34% of chemists worked in chemical manufacturing; 14% worked in research and development in the physical, engineering, and life sciences; 10% worked in testing labs; 7% in the federal government, excluding postal service and 4% in administrative and support/waste management/remediation services. Chemists and materials scientists are employed in all parts of the country, but they are mainly concentrated in large industrial areas. OOH reports that the nationwide demand for chemists is expected to grow 4%, as fast as average, through 2028. The average salary for people established in their career is generally between \$43,920 and \$133,180. The median pay for 2018 was \$76,890 per year including some jobs with advanced degrees.

### **PLACEMENT INFORMATION FOR CHEMISTRY GRADUATES:**

There are many career opportunities for Bemidji State University Chemistry graduates. Of the three 2017-2018 Chemistry graduate with a Bachelor of Arts degree, 100% reported related employment one year after graduation. For the six 2017-2018 Chemistry graduates with a Bachelor of Science degree 80% reported obtaining related employment within one year of graduation. For the Science Education graduates, 83.3% reported obtaining related employment. This does not include students who were continuing their education, not seeking employment, unavailable, or had unknown status.

### **PARTIAL LIST OF EMPLOYERS WHO HAVE REPORTED HIRING BSU CHEMISTRY GRADUATES\*:**

**(This list includes employment within one year of graduation).**

Benchmark	Embedded Systems Software Developer	Rochester, MN
Hobart Laboratories	QC Chemist	Bemidji, MN
Itasca Area Schools Collaborative	Substitute Teacher	Grand Rapids, MN
ScribeAmerica	Medical Scribe	Minnesota

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

- North Dakota State University, Fargo, ND
- 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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