

# Career Outlook: Technology, Art, and Design

## **Technology, Art and Design Programs Available at Bemidji State University:**

**Majors:** Applied Engineering, (B.A.S.); Engineering Technology, (B.S.)—Refer to separate Career Outlook for specific placement information; Project Management, (B.S.); Applied Management, (B.A.S.)—refer to separate Career Outlook for specific placement information; Design, (B.S.)- Refer to separate Career Outlook for specific placement information.

**Field of Emphasis:** Graphic Design; Model Design; Exhibit Design; Studio Arts; Construction and Facility Management; Operations Management; Product Development

**Minors:** Design; Project Management, Engineering Technology, Studio Arts

**Certifications:** Lean Six Sigma, Technology Manager

**Department Website:** <https://www.bemidjistate.edu/academics/departments/technology-art-design/>

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

The "Occupational Outlook Handbook" (OOH) reports that industrial production managers held about 189,300 jobs in 2020. They are employed in all areas of manufacturing, splitting their time between the production line and an office. They typically need several years of related work experience in addition to the degree.

Construction managers held about 448,000 jobs nationwide in 2020. The areas that employed the most were specialty trade contractors, nonresidential/residential building construction, and heavy and civil engineering construction. Many construction managers are self-employed. The demand for construction managers is expected to be 11% (faster than average) with the median wage of \$97,180.

OOH reports that the nationwide demand for industrial engineering technicians is expected to have little to no change in growth through 2030, with people established in their career generally earning between \$36,550 and \$86,900 per year. The median pay for 2020 was \$57,320 per year. Industrial production managers with experience can earn between \$67,100 and \$181,200 with the median pay of \$108,790.

OOH reports that graphic designers held about 254,100 jobs in 2020. Most graphic designers worked in specialized design services; advertising, public relations, and related services; printing and related support activities; or newspaper, periodical, book, and directory publishers. Approximately 19% were self-employed. OOH reports that the nationwide demand for graphic designers/web art directors is expected to grow 3% through 2030, with people established in their career generally earning between \$31,720 and \$93,440 per year. The median pay for 2020 was \$53,380 per year.

## **PLACEMENT INFORMATION FOR TECHNOLOGY, ART AND DESIGN GRADUATES:**

There are many career opportunities for Bemidji State University Technology, Art, and Design graduates. Of the 19 Bemidji State University 2019-2020 Applied Engineering B.A.S. graduates, 85.7% reported obtaining related employment within one year of graduation. The one Bemidji State University 2019-2020 Applied Management B.A.S. graduate, reported obtaining related employment within one year of graduation. Of the 6 Engineering Technology 2019-2020 B.S. graduates, 83.3% reported related employment. Of the 23 Project Management B.S. graduates, 95.2% reported related employment. Of the 17 Design graduates (B.S.), 64.3% reported obtaining related employment. This does not include students who were not seeking employment, furthering their education, unavailable, or had unknown status.

## **PARTIAL LIST OF EMPLOYERS WHO HAVE REPORTED HIRING BSU TECHNOLOGY, ART AND DESIGN GRADUATES: \* (This list only includes employment within one year of graduation.)**

3M	Machinist	Mankato, MN
Apogee Commemoratives	Graphic Designer	Crystal, MN
Big-D Construction	Assistant Superintendent	St. Paul, MN
Brieser Construction	Construction Craft Laborer	Channahon, IL
C4 Welding	Manufacturing Engineer	Sauk Rapids, MN
Cailey Reed Design LLC	Freelance Designer	Bemidji, MN
Central Boiler	Graphic Designer	Greenbush, MN
Climate Pros	Field Service Technician	Brooklyn Park, MN
Collins Aerospace	Associate Manufacturing Engineer	Burnsville, MN
Cummins Power Generation	Engineering Technician	Fridley, MN
CWMF	Mechanical Engineering Technician	Waite Park, MN

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

Freelance	3D & Graphic Designer	Rochester, MN
General Dynamics Mission Systems	Quality Engineer	Bloomington, MN
IC Realtime	Graphic Designer	Goodyear, AZ
Knife River Materials	Seasonal Project Manager	Bemidji, MN
Kurt Manufacturing Company	Quality Engineer	Minneapolis, MN
Kurt Manufacturing Company	Manufacturing Engineer	Fridley, MN
Leech Lake Band of Ojibwe	Construction Management Assistant	Cass Lake, MN
Marvin Windows	Facilities Project Manager	Warroad, MN
MKC	Automation Engineer	Madison, WI
Pinnacle Marketing Group	Sales Support Specialist	Bemidji, MN
ProForm Fabrication, LLC	Project Manager	Winsted, MN
Providential Signworks	Intern	Marietta, GA
Rice Lake Construction Group	Assistant Project Manager	Deerwood, MN
Roger Manufacturing Co.	Engineer	Nashville, TN
Self Employed	Web Designer	Brainerd, MN
Team Industries	Engineering Project Manager	Bagley, MN
Terra Construction	Assistant Project Manager	Rogers, MN
The Finishing Touch Landscaping	Construction Project Manager	Bemidji, MN
Torque Fitness	Mechanical Engineer	Coon Rapids, MN
Trane	Lab Engineer	LaCrosse, WI
Turck, Inc.	Manufacturing Technician 3	Minneapolis, MN
Ultimate Construction	Assistant Project Management	Plymouth, MN
Wanzek Construction, Inc.	Field Engineer	Fargo, ND
World Class Displays	Exhibit Designer	Cedar Rapids, IA

**COLLEGES AND UNIVERSITIES WHERE TECHNOLOGY, ART AND DESIGN GRADUATES HAVE GONE TO CONTINUE THEIR EDUCATION:**

- Northern Illinois State University, DeKalb, IL
- St. Cloud State University, St. Cloud, 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 2029-2020. 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/>



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