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.

**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: [http://www.bemidjistate.edu/academics/departments/technology_art_design/](http://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 190,100 jobs in 2019. 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 476,700 jobs nationwide in 2019. 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.

OOH reports that the nationwide demand for industrial engineering technicians is expected to have little to no change in growth through 2029, with people established in their career generally earning between $35,850 and $87,790 per year. The median pay for 2019 was $56,550 per year. Industrial production managers with experience can earn between $65,050 and $176,070 with the median pay of $105,480. The demand for construction managers is expected to be 8% (much faster than average) with the median wage of $95,260.

The “Occupational Outlook Handbook” (OOH) reports that graphic designers held about 281,500 jobs in 2019. 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 21% were self-employed. OOH reports that the nationwide demand for graphic designers/web art directors is expected to decline 4% through 2029, with people established in their career generally earning between $30,810 and $89,210 per year. The median pay for 2019 was $52,110 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 16 Bemidji State University 2018-2019 Applied Engineering B.A.S. graduates, 83.3% reported obtaining related employment within one year of graduation. The one Bemidji State University 2018-2019 Applied Management B.A.S. graduate, reported obtaining related employment within one year of graduation. Of the 17 Engineering Technology 2018-2019 B.S. graduates, 85.7% reported related employment. Of the 13 Project Management B.S. graduates, 100% reported related employment. Of the 16 Design graduates (B.S.), 84.6% 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.)

<table>
<thead>
<tr>
<th>Employer Name</th>
<th>Position</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M</td>
<td>Engineering Design Manager</td>
<td>St. Paul, MN</td>
</tr>
<tr>
<td>Abbott</td>
<td>Senior Manufacturing Engineer</td>
<td>Minneapolis, MN</td>
</tr>
<tr>
<td>Acuity Brands Lighting</td>
<td>Senior Design Engineer</td>
<td>Winona, MN</td>
</tr>
<tr>
<td>Bobcat Company</td>
<td>Manufacturing Engineer</td>
<td>Bismarck, ND</td>
</tr>
<tr>
<td>Cyclops Ink</td>
<td>Tattoo Artist</td>
<td>Bemidji, MN</td>
</tr>
<tr>
<td>Design Ready Controls</td>
<td>Manufacturing Engineer Manager</td>
<td>Brooklyn Park, MN</td>
</tr>
<tr>
<td>Electric Power Door</td>
<td>Mechanical Engineer</td>
<td>Hibbing, MN</td>
</tr>
<tr>
<td>Electro-Matic, Inc.</td>
<td>Product and Process Engineer</td>
<td>Minneapolis, MN</td>
</tr>
</tbody>
</table>
PARTIAL LIST OF EMPLOYERS WHO HAVE REPORTED HIRING BSU TECHNOLOGY, ART AND DESIGN GRADUATES: * (This list only includes employment within one year of graduation.)

Freeman Company  Environmental Designer  St. Paul, MN
Graco, Inc.  Manufacturing Engineer  Minneapolis, MN
Industrial Louvers, Inc.  Design Engineer  Delano, MN
Marvin Windows  Product Design Technologist  Warroad, MN
Minnesota Power  CEMS Lead Administrator  Cohasset, MN
Nortech Systems Inc.  Manufacturing Engineer  Bemidji, MN
Rolling Forks Design Group  Design Engineer  Glenwood, MN
Sabic  Quality and Process Excellence  Riyadh, RY
Scheck Industries  Field Engineer  Rosemount, MN
SD Game, Fish & Parks  Lead Graphic Designer  Pierre, SD
Self Employed  Freelance Designer  Minneapolis, MN
Showdown Displays  Graphics Coordinator  Brooklyn Center, MN
Snell Motors  Marketing Coordinator  Mankato, MN
Steelhead Productions  Exhibit Designer  Las Vegas, NV
Target  Visual Merchandiser  Minneapolis, MN
Team Industries - Bagley  Project Engineer  Bagley, MN
Terra Construction  Field Engineer  Rogers, MN
The Design Factory, LLC  Graphic and Exhibit Designer  Las Vegas, NV
UPM/Blandin Paper Company  Mechanical Maintenance Team-Leader  Grand Rapids, MN
Wanzek Construction (X4)  Field Engineer  Fargo, ND
Wells Concrete  Quality Control Engineer  Denver, CO

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

- Florida Atlantic University, Boca Raton, FL
- Northern Arizona University, Flagstaff, AZ
- University of Minnesota Twin Cities, Minneapolis, MN
- University of North Dakota, Grand Forks, ND

*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 2018-2019. Bemidji State University, Bemidji, MN (2021)
- Bemidji State University Undergraduate Catalog 2020-2021. Bemidji State University, Bemidji, MN (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/

Bemidji State University is an affirmative action, equal opportunity educator and employer. This document is available in alternate formats to individuals by: 800.475.2001 | 218.755.3883 | accessibilityservices@bemidjistate.edu
BEMIDJI STATE UNIVERSITY | 2018 - 2019
GRAD STATS
FROM STUDENTS SURVEYED ONE YEAR POST-GRADUATION
CONNECTING STUDENTS TO CAREERS

1. SANFORD HEALTH
2. BEMIDJI AREA SCHOOLS
3. ESSENTIA HEALTH
4. LEECH LAKE BAND OF OJIBWE
5. SCHOOLCRAFT LEARNING COMMUNITY
6. ATHLOS LEADERSHIP ACADEMY
7. CLIFTONLARSONALLEN
8. NORTH HOMES CHILDREN & FAMILY SERVICES
9. RED LAKE SCHOOL DISTRICT
10. ALTRU HEALTH SYSTEM
11. BEMIDJI MIDDLE SCHOOL
12. FAIRVIEW HEALTH SERVICES
13. MAYO CLINIC
14. PARK RAPIDS AREA SCHOOLS
15. WANZEK CONSTRUCTION

87.7% OF
1,191
TOTAL GRADUATE AWARDS WHO RESPONDED

*95.4%
EMPLOYED WITHIN ONE YEAR OF GRADUATION

*89.7%
EMPLOYED IN A RELATED FIELD WITHIN ONE YEAR OF GRADUATION

15.8%
ARE CONTINUING THEIR EDUCATION

*CAREER SERVICES | 218.755.2038 | CAREER@BEMIDJISTATE.EDU

*DOES NOT INCLUDE NOT SEEKING, CONTINUING EDUCATION, UNAVAILABLE FOR EMPLOYMENT, AND STATUS UNKNOWN.*

THIS DOCUMENT IS AVAILABLE IN ALTERNATIVE FORMATS, PLEASE CONTACT ACCESSIBILITY SERVICES OFFICE (DECKER 202) AT (218) 755-3883, OR E-MAIL ACCESSIBILITY@BEMIDJISTATE.EDU. IF AN INTERPRETER IS NEEDED, TWO WEEKS NOTICE IS REQUESTED. ALSO AVAILABLE THROUGH THE MINNESOTA RELAY SERVICE AT 1-800-327-3629.