



# CONSTRUCTION CAREERS IN EDUCATION

## BACHELOR OF SCIENCE | TECHNOLOGY, ART, AND DESIGN

Bemidji State University's Construction Careers in Education program is geared towards providing practical experience for teacher candidates in the field of career and technical education (CTE) for grades 7-12. The program starts with foundational courses covering the history and philosophy of CTE, understanding the requirements and changes in legislation, and analyzing demographic data for effective implementation within communities. Subsequent courses focus on classroom management, curriculum development using backward course design and inquiry-based learning, and career development theory and practice. The program culminates with teacher candidates creating and defending portfolios based on their prior occupational experience, coursework, and relevant skills in Construction Careers in Education.



### Ideal Students

The ideal TAD student is anyone that likes to learn through hands-on experiences. TAD students are all about making and doing things. The TAD School offers focused training for real-world employment opportunities.



### Additional Opportunities

TAD students have access to a number of opportunities outside of the classroom. The School of TAD has several clubs (Design Club, Construction Club, Engineering Club, Model Making Club) that offer weekly activities. TAD also offers several industry related student trips each year as well as international trips every three years.



### Want to see our facility?

All TAD programs are located in Bridgeman Hall on the Bemidji State University campus. The facility is state-of-the-art and is filled with examples of student work. During their time in TAD, students get access to cutting-edge labs, software, machinery and technology. Both individual and group tours are available upon request. Email: [Agraham@bemidjistate.edu](mailto:Agraham@bemidjistate.edu) to schedule a visit today!

### For more information, contact:

The School of Technology, Art, & Design | [Agraham@bemidjistate.edu](mailto:Agraham@bemidjistate.edu) | (218) 755-2950 | [www.BSUTAD.com](http://www.BSUTAD.com)



**BEMIDJI**  
STATE UNIVERSITY

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## **TADT CONSTRUCTION CORE**

### **36 CREDITS | 12 COURSES**

TADT 1111 | Intro to Project Management (3)  
TADT 1460 | 2D Graphics & Laser Etching (3)  
TADT 1210 | Introduction to Manufacturing Processes 1 (3)  
TADT 1220 | Introduction to Manufacturing Processes 2 (3)  
TADT 2250 | Built Environment (3)  
TADT 2252 | Construction Materials and Methods (3)  
TADT 3250 | Print Reading Syllabus (3)  
TADT 3260 | Bidding & Estimating (3)  
TADT 3887 | Safety & Risk (3)  
TADT 3970 | Internship (32)  
TADT 4259 | Construction Management (3)  
TADT 4875 | Facilities Management (3)

## **Career & Tech Ed Core**

### **10 CREDITS | 5 COURSES**

TADT 4830 | Foundations in Career and Technical Education (2)  
TADT 4849 | Classroom Management in Career and Technical Education (2)  
TADT 4858 | Curriculum Development in Career and Technical Education (2)  
TADT 4887 | Career Development Theory and Practice (2)  
TADT 4888 | Work Occupational Assessment of Learners (2 credits)

## **ED COURSES**

### **15 CREDITS | 2 COURSES**

ED 4737 | Content Area Reading (3)  
ED 4830 | Student Teaching, Secondary or ED 4820 Student Teaching - Elementary (1-12 credits)

## **OTHER ED COURSES**

### **18 CREDITS | 7 COURSES**

ED 3100 | Introduction to the Foundations of Public School Education (3 Credits)  
ED 3110 | Educational Psychology (3 Credits)  
ED 3140 | Human Relations In Education (3 Credits)  
ED 3350 | Pedagogy: Planning for Instruction (3 Credits)  
ED 3780 | Adaptation and Management: Designing the Learning Environment (3 Credits)  
ED 4799 | The Professional Teacher (1 credit)  
HLTH 3400 | Health and Drugs in Society (2 Credits)

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