



Construction Careers In Cte, B.S. *major* (Teacher Licensure)

Bemidji State University's Construction Careers in Education program provides practical experience for teacher candidates in grades 7-12 in the area of Career and Technical Education (CTE). The program covers CTE history, legislative changes, demographic analysis, classroom management, curriculum development, and career development theory. It culminates in teacher candidates creating and defending portfolios based on their prior occupational experience, coursework, and relevant skills.

Required Credits: 78
Required GPA: 2.50

REQUIRED COURSES

Construction Courses
Complete the following courses:

- TADT 1111 Introduction to Project Management (3 credits)
- TADT 1210 Introduction to Manufacturing Processes I (3 credits)
- TADT 1220 Introduction to Manufacturing Processes II (3 credits)
- TADT 1250 The Built Environment (3 credits)
- TADT 1460 2D Graphics And Laser Etching (3 credits)
- TADT 2252 Construction Materials and Methods (3 credits)
- TADT 2260 Print Reading and Project Documentation (3 credits)
- TADT 3260 Project Bidding and Estimating (3 credits)
- TADT 3887 Safety and Risk Management (3 credits)
- TADT 4259 Construction Management (3 credits)
- TADT 4875 Facilities Management (3 credits)

Complete the following course for 3 credits:

- TADT 3970 Internship (1-3 credits)

Career and Technical Education Courses
Complete the following courses:

- TADT 4830 Foundations in Career and Technical Education (2 credits)
- TADT 4849 Classroom Management in Career and Technical Education (2 credits)
- TADT 4858 Curriculum Development in Career and Technical Education (2 credits)
- TADT 4887 Career Development Theory and Practice (2 credits)
- TADT 4888 Work/Occupational Assessment of Learners (1-3 credits)

REQUIRED PROFESSIONAL EDUCATION COURSES

Complete the following courses with a minimum 2.50 GPA:

- ED 3100 Introduction to the Foundations of Public School Education (3 credits)
- ED 3110 Educational Psychology (3 credits)
- ED 3140 Human Diversity and Educational Equity (3 credits)
- ED 3350 Principles and Strategies of Teaching (3 credits)
- ED 3780 Inclusive Teaching and Classrooms (3 credits)
- ED 4737 Content Area Reading (3 credits)
- ED 4799 The Professional Teacher (1 credit)

Complete the following course:

- HLTH 3400 Health and Drugs in Society (2 credits)

Complete 12 credits of student teaching:

- ED 4830 Student Teaching - Secondary (1-12 credits)

Program Learning Outcomes | Construction Careers in CTE

Design course content comprised of competency-based, contextual learning that contributes to academic knowledge, higher-order reasoning and problem-solving skills, personal and work attitudes, SCANS skills, technical skills including occupation-specific skills, and career exploration and development

Demonstrate teach safe use of tools, equipment, materials, and processes in career and technical education learning

Prepare Career Exploration Lesson Plans to assist students in understanding the variety and nature of technical careers

Demonstrate ability to maintain laboratories and equipment to ensure a safe learning environment that provides for efficient use of student instructional time.

Suggested Semester Schedule | Construction Careers in CTE

Freshman

Fall

- TADT 1111 Introduction to Project Management (3 credits)
- TADT 1210 Introduction to Manufacturing Processes I (3 credits)
- TADT 1220 Introduction to Manufacturing Processes II (3 credits)
- TADT 1460 2D Graphics And Laser Etching (3 credits)
- Core Curriculum Credits

Spring

- Core Curriculum Credits

Sophomore

Fall

- TADT 1250 The Built Environment (3 credits)
- TADT 2260 Print Reading and Project Documentation (3 credits)
- Core Curriculum Credits

Spring

- TADT 2252 Construction Materials and Methods (3 credits)
- TADT 3260 Project Bidding and Estimating (3 credits)
- Core Curriculum Credits

Summer

- TADT 3970 Internship (1-3 credits)

Junior

Fall

- TADT 4830 Foundations in Career and Technical Education (2 credits)
- TADT 4849 Classroom Management in Career and Technical Education (2 credits)

- TADT 3887 Safety and Risk Management (3 credits)
- ED 3100 Introduction to the Foundations of Public School Education (3 credits)
- ED 3110 Educational Psychology (3 credits)
- Core Curriculum Credits

Spring

- TADT 4858 Curriculum Development in Career and Technical Education (2 credits)
- TADT 4887 Career Development Theory and Practice (2 credits)
- TADT 4875 Facilities Management (3 credits)
- ED 3140 Human Diversity and Educational Equity (3 credits)
- ED 3350 Principles and Strategies of Teaching (3 credits)
- ED 4737 Content Area Reading (3 credits)

Summer

- TADT 4888 Work/Occupational Assessment of Learners (1-3 credits)
- TADT 4970 Internship (1-12 credits)

Senior

Fall

- TADT 4259 Construction Management (3 credits)
- ED 3780 Inclusive Teaching and Classrooms (3 credits)
- HLTH 3400 Health and Drugs in Society (2 credits)
- Core Curriculum Credits
- ED 4799 The Professional Teacher (1 credit)

Spring

- ED 4830 Student Teaching - Secondary (1-12 credits)