



# **Career and Technical Education Teacher Education Program**

Industrial Education Committee Hearing

February 2023

# Background

- Change in Tech Colleges away from Schools
- Winona Mini-Session
- Need for CTE Teachers
- Opportunity for Every MN H.S. Grad to have an Employable Skill



# Goal

- To improve the pipeline of CTE teachers in Minnesota's school districts by creating a comprehensive and integrated educational plan that blends the technical skill training with the standard educational practices required to become a licensed teacher.



# CTE Program Areas

## Trades & Industry – Construction Careers

- Construction underway for rollout **Fall 2023**

## Trades & Industry – Manufacturing Careers

- Manufacturing - *existing* AAS in Mechatronics available **Fall 2023**
- A specific Manufacturing Engineering Technology AAS program (building on existing CNC CERT) has been discussed but not yet fully developed at MSCS – possible for Fall 2024
- CNC Machine Tool, Electrical Engineering, and Welding programs currently under discussion
- Trades & Industry – Transportation currently under discussion

Business Education – currently launched and running



## CTE Manufacturing Careers

Associate of Applied  
Science – Existing or  
New Programs (per  
previous)

Completion of  
Winona State  
University Teacher  
Preparation Program

## CTE Construction Careers

Associate of Applied  
Science –  
Construction  
Technology

Completion of  
Winona State  
University Teacher  
Preparation Program



# Student Pathways

- Military Service
- Mid-career manufacturing professional
- Mid-career teacher
- High school students
- College student transitions to CTE Teacher Education program



# What makes the program unique?

- Partnership between MSC Southeast and WSU
- MSCS Students complete the Associate for Applied Science and meet admissions criteria for the Professional Education Sequence
- Pre-service teachers learn pedagogy while enhancing technical skills at MSCS through a blended, co-taught model
- Pre-service teachers participate in advisory committees and Career and Technical Student Organizations (CTSOs)
- Pre-service and new educators will be mentored by instructors and industry professionals
- Students in the program will gain industry work experience in their CTE specified field as required by state statutes.



# Program Updates

- Introducing Prof. Peter Johnson
- Curriculum Development Update
- Recruiting Students Update





Activities	Spring '22	Summer '22	Fall '22	Spring '23	Summer '23	Fall '23	Spring '24
AAS Manufacturing Engineering Technology Approval				[Activity bar spanning Spring '23 to Spring '24]			
Winona State University Program Approvals	[Activity bar spanning Spring '22 to Fall '22]			PELSB approval for Fall start date			
CTE Faculty hired at WSU		[Activity bar spanning Summer '22 to Fall '22]					
Curriculum Mapping & Assessment Rubrics		[Activity bar spanning Summer '22 to Fall '22]					
Curriculum Design		[Activity bar labeled MSCS AAS spanning Summer '22 to Fall '22]		[Activity bar labeled WSU + MSCS spanning Spring '23 to Summer '23]			
Recruitment/Outreach				[Activity bar spanning Spring '23 to Summer '23]			[Activity bar spanning Fall '23 to Spring '24]
Initial Cohort							

# Tiered licensure in Minnesota

## TIER 1 REQUIREMENTS

**BACHELOR'S DEGREE**  
FOR ALL SUBJECTS EXCEPT CAREER & TECHNICAL ED (CTE)  
OR CAREER PATHWAYS COURSE OF STUDY (CP)\*

OR

**\*CTE OR CP CANDIDATES MUST  
HAVE ONE OF THE FOLLOWING:**

AA degree

Professional certification

Five years of relevant work experience

*Candidate must have a BA degree unless teaching Career and Tech Ed or Career Pathways, in which case must have AA degree, professional certification, or five years of relevant work experience.*

- ▶ Good for one year and can be renewed three times, though there are conditions under which districts can renew further.
- ▶ District and teacher apply jointly. District must show it could not find a Tier 2, 3, or 4 teacher.
- ▶ These teachers are not in the teacher bargaining unit and are not earning credit toward probation. Teachers at Tier 1 do not have continuing contract rights.

**Anticipated transition details can be  
found at [www.educationminnesota.org/  
resources.aspx#credentials-licensure](http://www.educationminnesota.org/resources.aspx#credentials-licensure).**

*Revised April 22, 2021. Subject to change. 2018 1908*

## TIER 2 REQUIREMENTS

**BACHELOR'S DEGREE**  
FOR ALL SUBJECTS EXCEPT CTE OR CP\*

AND

**MINNESOTA APPROVED TEACHER  
PREPARATION PROGRAM ENROLLMENT**

OR

**MASTER'S DEGREE  
IN CONTENT AREA**

OR

**TWO OF THE FOLLOWING:**

Completed teacher preparation program

Eight upper-division credits in subject area

Training in subject-specific  
teaching methods

Passing scores on state subject  
area and pedagogy tests

Two or more years experience  
teaching in subject area

*Candidate must be enrolled in a teacher preparation program, OR have a master's degree, OR have two of the following: completed teacher preparation program; eight upper-division credits in subject area; training in subject-specific teaching methods; two years of experience teaching in subject area; passing scores on state tests in subject area.*

- ▶ Good for two years and can be renewed three times.
- ▶ District and teacher apply jointly.
- ▶ These teachers are in the teacher bargaining unit and are not probationary. However, if these teachers get to Tier 3, then two years of successful teaching at Tier 2 can count toward the Tier 3 requirement of three years of probation. Teachers at Tier 2 do not have continuing contract rights.

## TIER 3 REQUIREMENTS

**BACHELOR'S DEGREE**  
FOR ALL SUBJECTS EXCEPT CTE OR CP\*

AND

**PASSING SCORES**  
CONTENT AND PEDAGOGY

AND

**ONE OF THE FOLLOWING:**

Completion of a Minnesota-approved  
teacher preparation program (traditional  
or alternative, if accredited)

Completion of a prep program from  
another state that includes field-  
specific student teaching equivalent  
to requirements of MN programs

Portfolio in a given licensure field

Three years teaching experience  
at Tier 2 without being placed  
on an improvement plan

Professional teaching license from  
another state, license in good standing,  
and two years of teaching experience

*Candidate has BA degree for all subjects except CTE or CP, passing scores on content and pedagogy exams, and ONE of the following: Completion of a Minnesota-approved teacher preparation program (traditional or alternative, if accredited); completion of a prep program from another state that includes field-specific student teaching equivalent to requirements of MN programs; portfolio in a given licensure field; professional teaching license from another state, license in good standing, and two years of teaching experience; three years of teaching experience under a Tier 2 license and evidence of summative evaluations that did not result in placement on an improvement plan.*

- ▶ Good for three years and can be renewed indefinitely.
- ▶ Teacher applies for the license.
- ▶ These teachers are in the bargaining unit and must complete three years of probation. If a teacher at Tier 3 got to Tier 3 via Tier 2, two years of teaching at Tier 2 can count toward the three-year probationary requirement. Teachers at Tier 3 have continuing contract rights after completion of the probationary period.

## TIER 4 REQUIREMENTS

**BACHELOR'S DEGREE**  
FOR ALL SUBJECTS EXCEPT CTE OR CP\*

AND

**COMPLETION OF  
PREPARATION PROGRAM**

AND

**PASSING SCORES**  
CONTENT AND PEDAGOGY

AND

**PASSING SCORES ON BOARD-  
APPROVED SKILLS EXAM**

AND

**THREE YEARS TEACHING  
EXPERIENCE IN MINNESOTA**

AND

**MOST RECENT SUMMATIVE EVALUATION MUST NOT  
HAVE RESULTED IN AN IMPROVEMENT PLAN**

*The candidate must meet all Tier 3 requirements, have completed a preparation program or portfolio, have passing scores on content and pedagogy exams and passing scores on board-approved skills exam. In addition, the most recent summative evaluation must not have resulted in placing the teacher on an improvement plan.*

- ▶ Good for five years and can be renewed indefinitely.
- ▶ Teacher applies for the license.
- ▶ These teachers are in the bargaining unit. Teachers at Tier 4 have continuing contract rights after completion of the applicable probationary requirement.



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# Tier 3 licensure is the goal

- Tier 1 and 2 are temporary licenses
  - Maximum of 3 renewals
- Tier 3 and 4 can be renewed every 5 years indefinitely
  - Tier 3 will be achieved through the proposed program
  - Tier 4 requires meeting all Tier 3 requirements, being in good standing, and 3 years of teaching experience



Thank You, Minnesota Legislature!  
Questions?



Winona State University

Minnesota State College Southeast

