

WELDING AND PRECISION MACHINING CAREER PATHWAY

State-Designated Pedagogy Requirements (Effective July 1, 2019):

- 7-12 PLT; or
- Practicum, internship, or student teaching 7-12; or
- 2 years of verified teaching experience in a 7-12 setting

Coursework Requirements:

9 Semester hours of coursework

- 1 or more credits in lathe/mill operation
- 1 or more credits in sheet metal arc welding (SMAW)
- 1 or more credits in gas metal arc welding (GMAW)
- 1 or more credits sheet metal in oxy gas welding

State-Designated Test Requirements (passage of one test):

Test #	Test Name	Cut Score	Effective Date
5279	NOCTI Welding	59.5	05/15/2017
5176	NOCTI Precision Machining	82.9	05/15/2017
	AWS Certification		

Other Requirements:

4000 Hours of Validated Work Experience in a Related Field within the previous five years		
Welder	Machinist	Mechanical Maintenance

Preparations that can add this Endorsement:

Preparation	Pedagogy		CTE Methods		Test		Coursework		Other
Early Childhood	X	AND	X	AND	X	OR	X	OR	X
Elementary	X	AND	X	AND	X	OR	X	OR	X
Secondary			X	AND	X	OR	X	OR	X
CTE Preparation					X	OR	X	OR	X
K-12			X	AND	X	OR	X	OR	X
Early Childhood SPED	X	AND	X	AND	X	OR	X	OR	X
K-12 SPED			X	AND	X	OR	X	OR	X
CTE Instructor Permit			X	AND	X	OR	X	OR	X

Assignment Codes:

Code	Assignment Description	Code	Assignment Description
13204	Advanced Machine Tooling Technology	21106	Mechanical Drafting & Design
13208	Advanced Welding Technology	21009	Mechatronics/Robotics
13203	Machine Tool		

July 1, 2017