

# WELDING AND PRECISION MACHINING CAREER PATHWAY

## 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

## State-Designated Pedagogy Requirements:

Test #	Test Name	Cut Score	Effective Date
5624	Principals of Learning and Teaching (7-12 PLT)	157	07/01/2012
<b>Waiver of Pedagogy Test</b>			<b>7-12 PLT</b>
The PLT test may be waived if verification of two or more years of state-certified teaching experience in the grade span of the endorsement is documented.			Experience in a 5-12 grade span

## 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		

## Coursework Requirements:

9 Semester hours of coursework including:
• 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 in sheet metal in oxy gas welding

## Other Requirements:

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

**Assignment Codes:**

<b>Code</b>	<b>Assignment Description</b>
13203	Machine Tool Technology
13204	Advanced Machine Tooling Technology
13207	Welding Technology
13208	Advanced Welding Technology
21009	Robotics
21106	Mechanical Drafting & Design
22101	Leadership and Service
22104	Service Learning
22152	Employability