

MANUFACTURING CAREER CLUSTER

Preparations that can add this Endorsement:

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

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:

15 Semester hours of coursework

- 1 or more credits in sheet metal fabrication
- 1 or more credits in assembly
- 1 or more credits in blueprints
- 1 or more credits in mathematics

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

Test #	Test Name	Cut Score	Effective Date
5279	NOCTI Welding	59.5	5/15/2017
5176	NOCTI Precision Machining AND AWS Certification	82.9	5/15/2017
5051	Technology Education AND AWS Certification	154	07/14/2014

Other Requirements:

OTHER	
Associates Degree	Manufacturing

Assignment Codes:

Code	Assignment Description
12053	Entrepreneurship
13001	Intro to Manufacturing
13203	Machine Tool Technology
13204	Advanced Machine Tool Technology
13207	Welding Technology
13208	Advanced Welding Technology
17106	Electronics
21009	Robotics
21051	Introduction to Technology Education
21102	Introduction to Drafting and Design
21106	Mechanical Drafting & Design
22101	Leadership & Service
22104	Service Learning
22151	Career Exploration
22152	Employability
80018	Youth Internship
80019	Senior Experience
80020	Youth Apprenticeship
80026	Entrepreneurship Experience