

STEM, TECHNOLOGY, ENGINEERING, AND MATHEMATICS 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

- **Six credits in the following:**
 - 3 or more credits in robotics
 - 3 or more credits in engineering
- **Nine credits in one or more of the following areas:**
 - Aviation
 - Computer science/programming
 - Energy
 - Electronics

State-Designated Test Requirements:

Test #	Test Name	Cut Score	Effective Date
5051	Technology Education	154	07/14/2014

Assignment Codes:

Code	Assignment Description
12053	Entrepreneurship
13001	Intro to Manufacturing
13204	Advanced Machine Tool Technology
17106	Electronics
20053	Aviation
20101	Introduction to Energy/Power
21001	Introduction to Engineering

21007	Engineering Design and Development
21009	Robotics
21014	Bioprocess Engineering
21049	MS Mechatronics / Robotics
21050	Grades 5-8 Introduction to STEM
21051	Introduction to Technology Education
21060	Alternate Energy Systems
21102	Introduction to Drafting and Design
21103	Architectural Drafting
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