

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) 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:

Test #	Test Name	Cut Score	Effective Date
5624	Principals of Learning and Teaching (7-12 PLT)	157	07/01/2012
Waiver of Pedagogy Test			7-12 PLT
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:

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

Coursework Requirements:

15 Semester hours of coursework
<ul style="list-style-type: none"> • Six credits in the following: <ul style="list-style-type: none"> ○ 3 or more credits in robotics ○ 3 or more credits in engineering • Nine credits in one or more of the following areas: <ul style="list-style-type: none"> ○ Aviation ○ Computer science/programming ○ Energy ○ Electronics

Assignment Codes:

Code	Assignment Description
12053	Entrepreneurship
13001	Introduction to Manufacturing
13204	Advanced Machine Tooling 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	MS Introduction to STEM
21051	Introduction to Technology Education
21060	Alternate Energy Systems
22101	Leadership and Service
21102	Introduction to Drafting and Design
21103	Architectural Drafting
21106	Mechanical Drafting & Design
22104	Service Learning
22152	Employability