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	Principles 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

- 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

Assignment Codes:

Code	Assignment Description	Code	Assignment Description	Code	Assignment Description
02993	Mathematics – Test Preparation	21009	Robotics	22051	Office Aide (By Students)
10004	Workplace Technology Skills	21014	Bioprocess Engineering	22054	Tutoring (By Students)
13001	Introduction to Manufacturing	21049	MS Mechatronics / Robotics	22101	Leadership and Service
13204	Advanced Machine Tooling Technology	21050	Exploring STEM in CTE	22990	JAG – Middle School
17106	Electronics	21051	Introduction to Technology Education	22991	JAG – High School
20053	Aviation I	21060	Alternate Energy Systems	25013	Life Management
20056	Fundamentals of Aviation	21102	Drafting and Design I	80018	Youth Internships
20057	Aviation II	21103	Drafting and Design II - Architectural	80019	Senior Experience
20101	Introduction to Energy/Power	21106	Mechanical Drafting & Design	80026	Entrepreneurship Experience
21001	Introduction to Engineering	22001	Standardized Test Preparation	80020	Youth Apprenticeship
21007	Engineering Design and Development	22004	Dropout Prevention	80033	E-Mentor (certified staff)