

ENGINEERING AND ROBOTICS CAREER PATHWAY

Preparations that can add this Endorsement:

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

Coursework Requirements:

9 Semester hours of coursework including:
<ul style="list-style-type: none"> 3 or more credits in engineering 3 or more credits in robotics

Other Requirements (completion of one of the “other” requirements):

4000 Hours of Validated Work Experience in a Related Field within the previous five years		
Any field of engineering	Technical aspect of robotics	

ASSOCIATES DEGREE	
Robotics	Engineering Technology
Mechatronics	Architectural Engineering Technology
Civil Engineering Technology	Construction Management Technology
Land Surveying Science Technology	Mechanical Engineering Technology

Assignment Codes:

Code	Assignment Description
10051	Information Systems Analysis and Design
10112	Cabling
10152	Computer Programming
13001	Introduction to Manufacturing
17106	Electronics
21001	Introduction to Engineering
21007	Engineering Design and Development
21009	Robotics
21014	Bioprocess Engineering
21102	Introduction to Drafting and Design
21103	Architectural Drafting
21106	Mechanical Drafting & Design
22101	Leadership and Service
22104	Service Learning
22152	Employability