

ENGINEERING AND ROBOTICS CAREER PATHWAY

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:

9 Semester hours of coursework

- 3 or more credits in engineering
- 3 or more credits in robotics

State-Designated Test Requirements:

Test #	Test Name	Cut Score	Effective Date
NA	NA		

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

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

Assignment Codes:

Code	Assignment Description
10505	Academic Technology Enrichment K-8
21103	Architectural Drafting
21014	Bioprocess Engineering
10154	C++ Programming
10112	Cabling
10152	Computer Programming
17106	Electronics
21007	Engineering Design and Development
10051	Information Systems Analysis and Design
13001	Intro to Manufacturing
21102	Introduction to Drafting and Design
21001	Introduction to Engineering
10155	Java Programming
21106	Mechanical Drafting & Design
21009	Mechatronics/Robotics
10153	Visual Basic Programming