

# ELECTRICAL ADVANCED WORKFORCE TRAINING CERTIFICATE

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Program website (<https://frederick.edu/programs/skilled-trades/electrical.aspx>)

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## Program Description

This series of courses prepares students for entry level opportunities in the electrical industry and covers the material, methods, regulations, and tools required to perform commercial or residential structural wiring installation and repair. Students are also introduced to data cabling, emergency generators, and solar photovoltaic technology.

## Program Requirements

Code	Title	Credits
<b>Required Course/s</b>		
ELC 181	Fundamentals of Structural Wiring	
ELC 182	Residential Electric	
ELC 166	Commercial Electric	
ELC 183	Specialized Systems	
<b>Prerequisites/Co-requisites</b>		
ENGL 70	Introduction to College Reading and Writing	
or ENGL 75	Reading and Writing in the Academic Disciplines	
or ESOL 100	English for Academic Purposes	
or ESOL 70 (DISCONTINUED)		
or ESOL 72 (DISCONTINUED)		