

# CAREER TECHNICAL EDUCATION PATHWAY: Electrical Systems Technology (C35130C)



## Career & College Promise (CCP)

CCP provides opportunities for eligible NC high school students to take tuition-free college courses for dual credit (some students may have to pay for textbooks and materials). Taking CCP courses accelerates completion of college certificates, diplomas, applied associate degrees that provide entry-level job skills, and associate degrees that lead to transfer within the UNC System of 4-year colleges and universities and many private institutions.



## Electrical Systems Technology Pathway

### Eligibility Requirements

- High School Junior or Senior
- Unweighted GPA of 2.8 or higher **OR** demonstrate college readiness in English, reading and math on approved assessments.
- If GPA is below 2.8, principles/designees can waive the GPA and provide rationale why GPA was waived.

## General Admission Requirements

- College CCP Admissions Application
- High School Transcript
- Registration and Verification Form



## About the Electrical Systems Technology Pathway:

This pathway is a set of courses that students can take to earn a certificate toward the Electrical Systems Technology Diploma. These courses prepare students to work installing and maintaining electrical systems in residential, commercial and industrial facilities.

### You will learn:

- AC/DC theory
- Basic wiring
- Programmable logic controllers
- Industrial motor controls
- Applications of the National Electric Code

## Possible Job Titles:

- Electrical System trainee or apprentice
- Electrical maintenance and repair worker
- Electrical plant operator
- Code Compliance Inspector
- Electrical Drafter

## Possible Employment Opportunities:

- Any Residential/Business/Industry that requires ongoing maintenance of electrical systems

**Median Annual Wage for NC Commercial and Industrial Equip. Electrical and Electronics Repairers \$51,640**

NCCareers.org

Electrical Systems Technology Certificate			
Title	Class	Lab	Credit
ELC 112 DC/AC Electricity	3	6	5
ELC 115 Industrial Wiring	2	6	4
ELC 117 Motors and Controls	2	6	4
ELC 118 National Electrical Code	1	2	2
ELC 125 Diagrams and Schematics	1	2	2
<b>Total Semester Credit Hours:</b>			<b>17</b>

For more information, contact: **Trish Holsten, Secondary Partnerships Director**  
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# CONNECTING HIGH SCHOOL, COLLEGE, AND CAREER

