

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.

General Admission Requirements

- College CCP Application
- High School Transcript
- Verification Form

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 for waiver.

**About the Electrical Systems Technology Pathway:**

This pathway is a portion of the Electrical Systems Technology Diploma. These courses prepare students to work installing and maintaining electrical systems in residential, commercial and industrial facilities.

Career Cluster: Trade and Industry

Annual Wage Range: Commercial and Industrial Equip. Electrical and Electronics Repairers \$49,080- \$92,410 NCCareers.org

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

Electrical Systems Technology Certificate

TRAD SEM	Title	Class	Lab	Credit
FA	ELC 112 DC/AC Electricity	3	6	5
SU	ELC 115 Industrial Wiring	2	6	4
FA	ELC 117 Motors and Controls	2	6	4
SP	ELC 118 National Electrical Code	1	2	2
FA	ELC 125 Diagrams and Schematics	1	2	2
Total Semester Hours Credit for Certificate				17

For more information, contact: Trish Holsten, Secondary Partnerships Director

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CONNECTING HIGH SCHOOL, COLLEGE, AND CAREER



High School (electives)

High School

COMPLETE GRAD REQ:

- English (4), Math (4),
Social Studies, Science (3),
Health/PE, electives

SUGGESTED HS ELECTIVES:

- Agricultural Mechanics I & II
- CCP electives

During High School (dual enrollment)

WCC Electrical CCP Pathway

CCP JR AND SR YEARS:

- ELC 112 DC/AC Electricity
- ELC 118 National Electrical Code
- ELC 125 Diagrams and Schematics
- ELC 115 Industrial Wiring
- ELC 117 Motors and Controls

After High School (full-time enrollment)

WCC Electrical Diploma

GENERAL ED

- English, Math

ELECTRICAL CLASSES:

- Commercial Wiring
- NEC Calculations
- Intro to PLC
- Industrial Electronics

ADDITIONAL REQ CLASS:

- College Student Success

