

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

**Applied Engineering
(Manufacturing) 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 Applied Engineering
(Manufacturing) Pathway:**

This pathway is a portion of the Associate of Applied Science Applied Engineering Degree. These courses prepare students to use basic engineering principles and technical skills to solve technical problems in various types of industry.

**Annual NC Wage Range for Mechanical
Engineering Technicians \$47,540-\$91,840**

NCCareers.org

You Will Learn:

- Adjusting, calibrating and repairing equipment for various businesses and industries
- Plant maintenance

Possible Job Titles:

- Industrial Maintenance Technicians
- Industrial Machinery Repair Technician
- Control Technicians

Possible Employment Opportunities:

- Industrial Plant Manufacturing Company
- Commercial Business

Applied Engineering (Manufacturing) Certificate

TRAD SEM	Title	Class	Lab	Credit
FA	ELC 117 Motors and Controls	2	6	4
Varies	ELC 125 Diagrams and Schematics (strongly recommended as a foundational choice)	1	2	2
FA	HYD 110 Hyd./Pneumatics I	2	3	3
SU	ELC 128 Intro to PLC	2	3	3
FA/SP	ISC 112 Industrial Safety	2	0	2
Total Semester Hours Credit for Certificate				14

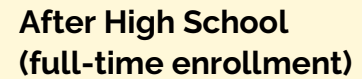
**ELC and HYD classes use simulated software and will require a Microsoft based PC (MAC and Chromebook will not work) for online students or to work outside class; open computer lab on campus may be loaded with required software if necessary*

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

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WILSON
COMMUNITY
COLLEGE



WCC- Applied Engineering AAS Degree

GEN ED:

- English, Math, Psychology, Critical Thinking

APPLIED ENGINEERING CLASSES:

- Basic CAD
- Intro to Electricity
- Circuit Analysis I
- Intro to Automation
- Instrumentation
- PLC Applications
- Intro to Solid Modeling
- Applications Project
- Mechanisms
- Major Electives

ADDITIONAL REQ CLASSES:

- College Student Success
- Intro to Computers

