

CAREER TECHNICAL EDUCATION PATHWAY: Applied Engineering (Manufacturing)



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.



Eligibility Requirements for Career Technical Education (CTE) Pathway

- High School Junior or Senior
- Weighted GPA of 3.0 or higher, or GPA below 3.0, written approval from High School principal/designee

General Admission Requirements

- WCC Admissions Application
- High School Transcript
- Registration and Verification Form

About the Applied Engineering Pathway (Manufacturing):

This pathway is a set of courses that students can take to earn a certificate toward 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.

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

Annual Median Salary for Industrial Engineering Technicians (NC) \$46,790

onetonline.org

Applied Engineering (Manufacturing) Certificate			
Title	Class	Lab	Credit
ELC 117 Motors and Controls	2	6	4
ELC 228 PLC Applications	2	6	4
HYD 110 Hyd./Pneumatics I	2	3	3
ISC 112 Industrial Safety	2	0	2
Total Semester Credit Hours:			13

For more information, contact: **Trish Holsten, Secondary Partnerships Director**
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wilsoncc.edu/curriculum/career-college-promise

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