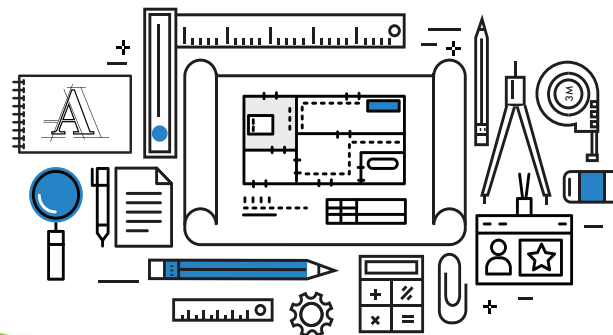


CAREER TECHNICAL EDUCATION PATHWAY: Applied Engineering (Drafting)



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 (Drafting):

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:

- Engineering Graphics
- Materials & Manufacturing Processes
- Process Design of Engineering Parts

Possible Job Titles:

- CAD (Computer Assisted Design) Drafter
- Design Drafter/Estimator
- Manufacturing Technician

Possible Employment Opportunities:

- Manufacturing companies
- State/local government agencies
- Construction or construction-related industry

Annual Median Salary for Civil Drafters (NC)

onetonline.org **\$45,540**

Applied Engineering (Drafting) Certificate			
Title	Class	Lab	Credit
DFT 119 Basic CAD	1	2	2
DFT 152 CAD II (Pre-req DFT 119)	2	3	3
DFT 154 Intro to Solid Modeling	2	3	3
ISC 132 Manufacturing Quality Control	2	3	3
MAC 118 Machine Shop Basic	1	3	2
Total Semester Credit Hours:			13

For more information, contact: **Trish Holsten, Secondary Partnerships Director**
(252) 246-1250 • pholsten@wilsoncc.edu
wilsoncc.edu/curriculum/career-college-promise

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