

CTE PATHWAY: Welding Technology (C50420 HS)



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

Welding 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 Welding Technology Pathway:

This pathway is a portion of the Welding Technology Diploma. These courses prepare students to work in the welding and metal industry as entry level technicians.

Annual Median Salary for Welders, Cutters, Solderers, and Brazers (NC) \$47,200

NCCareers.org

You will learn:

- Consumable and non-consumable electrode welding and cutting processes

Possible Job Titles:

- Welding and metal working technicians
- Fabricator
- Sales, quality control for business and industry

Possible Employment Opportunities:

- Construction companies
- Manufacturing industries
- Welding-related self-employment

Welding Technology Certificate

Sem	Title	Class	Lab	Credit
FA	WLD 110 Cutting Processes	1	3	2
FA	WLD 115 SMAW (Stick) Plate	2	9	5
FA	WLD 121 GMAW (MIG) FCAW/Plate	2	6	4
FA/SP	ISC 112 Industrial Safety	2	0	2
Total Semester Hours Credit for Certificate				13

**Students must wear 100% Cotton Shirts and Jeans; no loose fit clothing; no open toed shoes or shorts*

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 (1), electives

SUGGESTED HS ELECTIVES:

- Agricultural Mechanics I & II
- CCP Electives

CCP Dual Enrollment (college/HS concurrently)

WCC Welding Pathway

CCP JR AND SR YEARS:

- WLD 110 Cutting Processes and ISC 112 Industrial Safety
- WLD 121 GMAW (MIG) FCAW/Plate
- WLD 115 SMAW (Stick) Plate

After High School (post-graduation)

WCC Welding Diploma

GEN ED

- English and Math

WELDING CLASSES:

- SMAW (Stick) Plate/Pipe
- GTAW (TIG) Plate
- GTAW (TIG) Plate/Pipe
- Symbols & Specifications
- Inspection & Testing

ADDITIONAL REQ CLASS:

- College Student Success

