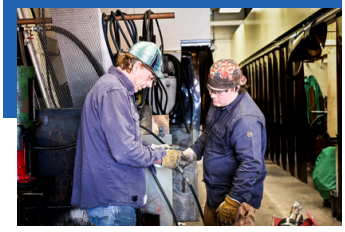
Washington County Community College
Calais, Maine
Discover Choices • Create Success

wccc.me.edu/programs

WELDING TECHNOLOGY

PROGRAM **DESCRIPTION**

Instruction focuses on training students to produce acceptable, sound welds in all positions in oxyacetylene and electric arc welding and to select the correct filler rod to fit the job and the metal being welded. Upon completion of the program, students are prepared for the **American Welding Society (AWS) structural stick welding certification; the AWS flux core MIG structural certification, and the State of Maine pipe certification**. This qualifies graduates for employment as AWS certified welding operators in the construction, shipbuilding, fabricating, and metal and maintenance fields. Students will also be qualified to TIG weld stainless and carbon steel pipe.



Career **OPPORTUNITIES**

Graduates of the welding technology program may find employment in **shipbuilding, fabrication, construction, mechanical and maintenance industries.**

PROGRAM **OUTCOMES**

1. Identify and practice safety procedures in the working environment.
2. Identify welding methods, tools and equipment.
3. Identify ferrous and non-ferrous material and choose correct filter rod to fit the job and the metal being welded.
4. Produce and test the quality of acceptable, sound welds in all positions in electric arc welding in preparation for the American Welding Society structural certification and State of Maine pipe certification.
5. Produce TIG weld on stainless and carbon steel pipe.
6. Perform pipe fitting techniques by producing a fit-up and tack preparation for open root GTAW welding and SMAW 7018 filler and cap.

Washington County Community College is an equal opportunity/affirmative action institution and employer. For more information; please call Tatiana Osmond, Affirmative Action Officer, at 454-1094

Apply Now!

Use this QR code or go to wccc.me.edu/apply.

Welding Technology Course Curriculum

Certificate

36 Credit Hours

Course #	Course Title	Credits
Semester 1		
MAT 106	College Mathematics for Technologies	3
FYE100	First Year Experience	1
TEC 121	Introduction to Computer Applications	3
WEL 120	Safety and Basic Welding Technology I	7
	Total	14
Semester 2		
DRG 124	Print Reading, Sketching, and Intro to CAD	3
ENG 101	College Composition	3
WEL 121	Basic Welding Technology II	4.5
WEL 122	Advanced Welding	1.5
WEL 123	Pipe Welding	4
	Total	16
Semester 3		
WEL 124	TIG Welding	5
WEL 125	Introduction to Pipe Fitting	1
	Total	6

Interested in earning a **Mechanical Technology Associate's** degree? Choose from two of these certificate programs: Heavy Equipment Operations or Maintenance, Automotive, Diesel and Automotive Engine Overhaul, Powersport Equipment and Small Engines, and Welding Technology. Students meet the additional requirements of the A.A.S. degree by completing the core requirements and general education requirements.

Have questions? Contact our Admissions team at wcccadmissions@mainecc.edu or 207-454-1000 for more information!

Cost per credit hour is $96. For more information visit: https://wccc.me.edu/admissions-aid/finances/tuition-fees/
Financial Aid is available for students who qualify at www.FAFSA.Ed.Gov School Code: 009231

Visiting the campus is easy. Contact the Office of Admissions at 207-454-1000 or wcccadmissions@mainecc.edu to schedule a time to visit!
For more program specific information, please contact the program instructor Scott Wheelock, swheelock@mainecc.edu or 207-454-1074