

WELDING TECHNOLOGY

Welding Technology offers students a modular based curriculum in a one- or two-year format including technical courses in basic and pipe welding, and/or advanced welding.

 Eastern Maine
Community College

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The Welding Technology

program combines technology theory courses with a variety of general education courses.

▶ Graduates enjoy employment opportunities in a variety of technical environments including bridge and building construction, metal fabrication, shipbuilding, power generation, petro-chemical industry, and paper industry.

▶ The first-year welding curriculum offers training in basic and pipe welding techniques utilizing the shielded metal arc welding process. The second-year welding curriculum offers training in advanced and pipe welding techniques utilizing the gas metal arc welding and gas tungsten arc welding processes.

EMCC students enjoy small class sizes, supportive faculty, transferable courses and leadership/engagement opportunities all for under \$4,000/year

(most programs, based on 30 credit hours, in-state rate of \$96 per credit hour)



CAMPUS TOURS AVAILABLE

Call 207.974.4870 or schedule an appointment on our website.

www.emcc.edu/Welding

Prerequisites

Certificate: Algebra I required; Algebra II, Geometry and Physics or Chemistry with Lab desired.

AAS Degree: Admission to the AAS Degree in Welding Technology is determined upon the successful completion of the Certificate in Pipe Welding.

Still in high school? Concurrent enrollment agreements with many high schools and technical education centers are available. Information can be found online at: www.emcc.edu/academics/programs/early-college/



WELDING TECHNOLOGY Associate in Applied Science Degree

Students opting to take the certificate program will be required to complete the credits listed under the First Semester and the Second Semester.

1ST SEMESTER CREDITS

WEL-111 **Metal Technology**** (3)
 WEL-131 **Shielded Metal Arc Welding (SMAW) Basic**** (2)
 WEL-132 **Shielded Metal Arc Welding Advanced I**** (2)
 WEL-134 **Shielded Metal Arc Welding Structural**** (2)
 WEL-151 **Flux-Cored Arc Welding (FCAW)**** (2)
 WEL-186 **Blueprint Reading & Drafting for Welders**** (3)
 MAT-110 **Technical Mathematics I**** (3)

2ND SEMESTER CREDITS

WEL-133 **Shielded Metal Arc Welding Advanced II**** (2)
 WEL-135 **Shielded Metal Arc Welding Pipe I**** (2)
 WEL-136 **Shielded Metal Arc Welding Pipe II**** (2)
 WEL-137 **Shielded Metal Arc Welding Pipe III**** (ASME Qual.) (2)
 ENG-101 **College Composition**** (3)
 Elective **Any Math or Science** (100 level or higher)** (3-4)

^ ELO Capstone

** Denotes courses required to complete the **Certificate in Pipe Welding**.

Total credits: 31-32

LIVE ON CAMPUS



Did you know that EMCC has TWO residence halls on campus?

Built in 2007, Kineo Hall houses students in "blocks" (two double-occupancy rooms with four people of the same gender) or triple-occupancy rooms. Each is individually climate controlled and shares a common bathroom, with double sinks, a shower and a toilet stall.

Acadia Hall houses students in corridor-style double or triple occupancy rooms.

Rooms range from \$1,850 - \$2,250 per semester.

Studies show that students who live on campus not only tend to have higher GPA's, but they are also more likely to complete their education and get more out of their college experience.

Visit www.emcc.edu/housing to learn more!

3RD SEMESTER CREDITS

FIT-231 **Pipefitting Fundamentals** (2)
 FIT-233 **Practical Pipefitting I** (1.5)
 FIT-235 **Practical Pipefitting II** (1.5)
 WEL-265 **Gas Metal Arc Welding Basic** (1)
 WEL-267 **Gas Metal Arc Welding Advanced** (1)
 WEL-269 **Gas Metal Arc Welding Pipe** (1)
 ENG-215 **Business & Technical Writing ^** (3)
 Elective **Any Humanities or Social Science** (3)
 Elective **Any Communications/Humanities/Math/Social Science/Science** (100 level or higher) (3)

4TH SEMESTER CREDITS

WEL-222 **Quality Assurance/Quality Control** (4)
 WEL-270 **Gas Tungsten Arc Welding Basic** (2)
 WEL-277 **Gas Tungsten Arc Welding Pipe I** (2)
 WEL-278 **Gas Tungsten Arc Welding Pipe II** (2)
 WEL-279 **Gas Tungsten Arc Welding Pipe III** (2)
 Elective **Any Humanities or Social Science** (3)

▶ **TOTAL AAS DEGREE CREDITS** 63-64