

WELDING BASICS



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August 20 - 22, 2024, 8 a.m. - 4 p.m.

Hudson Valley Community College
Main Campus

80 Vandenburgh Ave., Troy, NY

This 24-hour non-credit course will introduce students to the Shielded Metal Arc Welding (SMAW) process. Virtual reality welding systems will also be utilized to allow students to learn the required skills more quickly compared to traditional methods. Upon successful completion of the course, students will be issued a certificate from the Division of Workforce Development and Community Education.

The following topics will be covered:

- Safety procedures in the welding lab
- Personal Protective Equipment (PPE)
- Welding Procedure Specification (WPS) interpretation
- Shielded Metal Arc Welding (also known as "stick" welding) using E6010, E6013, and E7018 electrodes in the Flat (1F) and Horizontal (2F) positions

This course is offered at no cost as part of the Offshore Wind Training Institute: Enhanced Metal Fabrication Pathways for the Offshore Wind Industry in the Capital Region. Eligible students must reside at a street address that meets the disadvantaged community criteria as defined by the Climate Justice Working Group.



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www.nyserda.ny.gov/ny/Disadvantaged-Communities



The State University
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