

Welding Certificates at a Glance

Structural SMAW (STICK) Certificate - 130 hours

- Basic SMAW
- Advanced Structural SMAW - w/certification
- OSHA 10 General/Construction

GTAW (TIG) Certificate - 100 hours

- Basic GTAW
- Advanced GTAW—w/certification
- OSHA 10 General/Manufacturing

GMAW (MIG) Certificate - 100 hours

- Basic GMAW
- Advanced GMAW—w/certification
- OSHA 10 General/Manufacturing

Open Laboratory

Additional lab time for students may be purchased in blocks of 15 hours. Time will be scheduled individually on a space-available basis. No refunds will be issued for unused time. Two options available: practice with or without test coupons.

Welding career opportunities:

- ◆ Welding shops
- ◆ Manufacturing of metal goods
- ◆ The petroleum and natural fuel extraction industry
- ◆ Construction
- ◆ Plumbing and pipe welding
- ◆ Plant maintenance
- ◆ Automobile manufacturing and repair
- ◆ Ship building
- ◆ Aerospace
- ◆ Railroad construction and repair
- ◆ And many more...

The CT DOL statistics shows the annual salary range for welders to be \$40,579-\$42,748.

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Supplemental Nutrition Assistance Program (SNAP) and Food Distribution Program on Indian Reservations (FDPIR)

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In accordance with federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, this institution is prohibited from discriminating on the basis of race, color, national origin, sex (including gender identity and sexual orientation), religious creed, disability, age, political beliefs, or reprisal or retaliation for prior civil rights activity. Program information may be made available in languages other than English. Persons with disabilities who require alternative means of communication to obtain program information (e.g., Braille, large print, audiotape, American Sign Language), should contact the agency (state or local) where they applied for benefits. Individuals who are deaf, hard of hearing or have speech disabilities may contact USDA through the Federal Relay Service at (800) 877-8339. To file a program discrimination complaint, a Complainant should complete a Form AD-3027, USDA Program Discrimination Complaint Form which can be obtained online at: <https://www.usda.gov/sites/default/files/documents/USDA-OASCR%20P-Complaint-Form-0508-0002-508-11-28-17Fax2Mail.pdf>, from any USDA office, by calling (833) 620-1071, or by writing a letter addressed to USDA. The letter must contain the complainant's name, address, telephone number, and a written description of the alleged discriminatory action in sufficient detail to inform the Assistant Secretary for Civil Rights (ASCR) about the nature and date of an alleged civil rights violation. The completed AD-3027 form or letter must be submitted to:

mail: Food and Nutrition Service, USDA
1320 Braddock Place, Room 334
Alexandria, VA 22314; or

fax: (833) 256-1665 or (202) 690-7442; or

email: FNCSIVILRIGHTS COMPLAINTS@usda.gov



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Welding Certificates



Select Courses Approved for
WIOA & VA Funding



WELDING CERTIFICATES

Welding is a specialized skill that serves a variety of industries throughout the world. There are many career paths for a skilled welder, and NVCC can give you the qualifications that will prepare you for a career in welding in just a few months.

Career opportunities include working in: welding shops, the manufacturing of metal goods, the petroleum and natural fuel extraction industry, construction, plumbing, and pipe welding, plant maintenance, or automobile manufacturing and repair, shipbuilding and other transportation industries such as railroads, and aerospace applications.

New and revised welding techniques, that provide improved quality welds, are being implemented within the manufacturing and construction welding industry. Those with previous welding experience will find that some of our advanced courses will provide specialized skills in a single welding process. Upgrading your current skill level or adding a certification may qualify you for additional career opportunities.

NVCC is an Approved Testing Facility for the Connecticut Department of Transportation CONNDOT) welding certification.



Welding Processes

This course is designed for the beginner and provides an introduction to three processes widely used in the welding field: SMAW, GMAW and GTAW. Safety gear and materials included.

OSHA 10 General/Manufacturing

This course for private sector personnel covers OSHA policies, procedures, and standards, as well as general industry safety and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful completion, the student will receive an OSHA General Industry Safety and Health 10-hour course completion card.

Basic Shielded Metal Arc Welding (SMAW)

Learn the basics of Shielded Metal Arc Welding (SMAW). The SMAW techniques and processes are often referred to as STICK welding and are widely used in the maintenance and construction industries. Gain an understanding of the required equipment, interpret welding symbols and prints, and then put it all together while you practice your new welding skills in a state of the art welding lab. Textbooks, safety gear and materials are included.

Advanced Structural Shielded Metal Arc Welding Process (SMAW)

This advanced course in SMAW welding will prepare the student for welding certification. Students will be tested in accordance with the American Welding Society (AWS) D1.1, 1G/2G combo certification. OSHA 10 included in this course. Pre-requisite: Basic SMAW or permission of the instructor. Lab materials are included.

Basic Gas Metal Arc Welding (GMAW)

GMAW, also known as MIG welding, is a process used mostly in manufacturing and repair shops. Students will be introduced to: welding safety, shield gases, equipment, oxy-acetylene cutting and metal selection and preparation. Textbooks, safety gear, and materials are included.

Advanced Gas Metal Arc Welding (GMAW)

This advanced course in GMAW will prepare the student for welding certification. Students will be tested in accordance with the American Welding Society (AWS) D1.1, 3G certification. OSHA 10 included in this course. Pre-requisite: Basic GMAW or permission of the instructor. Lab materials are included.

Basic Gas Tungsten Arc Welding (GTAW)

GTAW, also known as TIG welding, is used mainly to weld stainless steel, aluminum, titanium, and other nonferrous metals. It is used in various industries, including the manufacturing, aerospace and piping industries. Students will be introduced to: welding safety, electrodes, shield gases, equipment, plasma cutting, oxy-acetylene cutting, and metal selection and preparation. Textbooks, safety gear and materials are included.

Advanced Gas Tungsten Arc Welding (GTAW)

This advanced course in GTAW welding will prepare the student for welding certification. Students will be tested in accordance with the American Welding Society (AWS) D17.1, 2F certification in Stainless Steel and Aluminum. OSHA 10 included in this course. Pre-requisite: Basic GTAW or permission of the instructor. Lab materials are included.



nv.edu/welding