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## Welding and Metals Fabrication



### [Orientation Signup Notification](#) [1]

Please signup to receive updates and information on future orientation dates.

### Description

Welders are in high demand in shops and various construction locations, and CWI has programs that can be completed in one year to get you out of the lab and into your new career. This program prepares you for certification with the American Welding Society (AWS). Students learn MIG, TIG, stick arc, plasma, flux core, shielded metal arc, and other welding processes in our newly equipped facilities.

### Mission

Welding graduates are in demand locally, nationally, and internationally. Our students often find positions fabricating new products such as industrial machinery, steel structures, oil industry, transportation equipment, railroad engines/cars, farm equipment, and more. Many graduates also find excellent self-employment opportunities in both urban and rural areas. Our mission is to provide this opportunity to train in a field so widely sought after... and to enable our students to achieve their aspirations, by equipping them with the skill set needed to gain local, regional, national employment in our industry.

## **Why This Program**

Welders are in high demand in shops and various construction locations, and College of Western Idaho (CWI) has programs that can be completed in one year to get you out of the lab and into your new career. This program prepares you for certification with the American Welding Society (AWS). Students learn MIG, TIG, stick arc, plasma, flux core, shielded metal arc, and other welding processes in our newly equipped facilities.

## **What You Will Learn to Do**

- Perform many welding processes
- Shielded Metal ARC Welding (SMAW) (STICK)
- Gas Metal ARC Welding (GMAW) (MIG)
- Flux Cored ARC Welding (FCAW)
- Gas Tungsten ARC Welding (GTAW) (TIG)
- Perform manual, semi-automatic, and automatic oxygen-acetylene burning
- Perform air carbon ARC and plasma cutting and gouging
- Operate fabrication tools and equipment
- Read blueprints
- Utilize appropriate fabrication techniques
- Maintain quality control
- Identify properties of materials
- Understand basic metallurgy

## **Additional Opportunities**

Our welding department is very active in Skills USA, and competes at a local, regional and at times national level in our trade. Our students have requirements within Skills activities for community service projects. Group visits to local industrial partners are also included in the course.

## **Gainful Employment**

For more information about our graduation rates, the median debt of students who have completed the program, and other important information, please visit our website at [cwidaho.cc/ge](http://cwidaho.cc/ge) [2]

## **Associate of Applied Science Degree in Welding and Metals Fabrication**

Degree Type:

AAS

Length:

24 Months

Delivery Formats:

Traditional

## **Advanced Technical Certificate in Welding and Metals Fabrication**

Degree Type:

ATC

Length:

16 Months

Delivery Formats:

Traditional

## **Advanced Post-Secondary Technical Certificate in Welding and Metals Fabrication**

Degree Type:

APTC

Length:

12 Months

Delivery Formats:

Traditional

## **Post-Secondary Technical Certificate in Welding and Metals Fabrication**

Degree Type:

PTC

Length:

12 Months

Delivery Formats:

Traditional

## **Important Dates for Credit Programs**

	<b>Fall 2014</b>	<b>Spring 2015</b>	<b>Summer 2015</b>
<b>Registration Open</b>	April 14	November 10	April 13
<b>Financial Aid Priority Date</b>	July 14	December 1	May 11
<b>Admission Deadline</b>	August 8	December 22	May 15
<b>Tuition and Fees Due</b>	August 22	January 9	May 29
<b>Last Day to Register</b>	August 22	January 9	May 29
<b>Classes Begin</b>	August 25	January 12	June 1*

\*Some classes begin before this date. See [class schedule](#) [3] for more information.

Please refer to our [Important Dates](#) [4] for more information.

## **Skills, Traits, and Prep Classes**

- Sound math and spatial skills
- Mechanical aptitude
- Good hand-eye coordination
- Solid reading skills
- Ability to work well on a team

- Precise attention to detail

## Financial Aid Available

Did you know that as a student in this program you may be eligible for financial aid? Through grants, [scholarships](#) [5], and loans, more than 60 percent of first-time, full-time CWI students receive some form of financial assistance. To learn more about financial aid options and whether you may be eligible, visit [Financial Aid](#) [6].

## Tuition and Fees

Tuition for a full-time CWI student averages half the cost of a state university and a third of the cost of a private college. Tuition and fees vary based on program and residence. Visit [Tuition and Fees](#) [7] for more information.

## Advising

Navigating your way through college can be confusing, especially if you try to go it alone. CWI One Stop Student Services offers advising assistance, to help in deciding which courses you need to take to complete your educational goals. Visit [Advising](#) [8] for more information or contact [One Stop Student Services](#) [9] to schedule an appointment.

## Transfer

Look beyond your degree at CWI and plan for continuing your education by working closely with CWI advising and representatives of your intended transfer school. Planning before you transfer can save you time and money. Visit [Transfer Information](#) [10] for more information or contact [One Stop Student Services](#) [9].

## Career Information

Welding graduates are in demand locally, nationally, and internationally. Our students often find positions fabricating new products such as industrial machinery, steel structures, transportation equipment, railroad engines/cars, farm equipment, and more. Many graduates also find excellent self-employment opportunities in both urban and rural areas.

Professions

- Welder
- Fabricator

## Locations



## Nampa Campus Micron Center for Professional Technical Education

5725 E. Franklin Road, Nampa, ID 83687

### Program Contact



[11]

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**Source URL:** <http://cwidaho.cc/program/welding-and-metals-fabrication>

### Links

[1] <http://pteprogramorientations.signupsheet.com/>

[2] <http://cwidaho.cc/ge>

[3] <http://cwidaho.cc/current-students/class-schedule>

[4] <http://cwidaho.cc/dates>

[5] <http://cwidaho.cc/scholarships>

[6] <http://cwidaho.cc/financialaid>

[7] <http://cwidaho.cc/tuition>

[8] <http://cwidaho.cc/node/2308>

[9] <http://cwidaho.cc/node/3253>

[10] <http://cwidaho.cc/node/2320>

[11] <http://cwidaho.cc/person/faculty/malcolm-diamond>

[12] <http://cwidaho.cc/department/trade-technology>

[13] <mailto:malcolmdiamond@cwidaho.cc>