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Visit us on the Internet at [www.columbiabasin.edu/welding](http://www.columbiabasin.edu/welding)

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Individuals with disabilities are encouraged to participate in all college sponsored events and programs. If you have a disability and require an accommodation, please contact the CBC Resource Center, (509) 547-0511, ext. 2352, or TTY/DD at (509) 546-0400. This notice is available in alternative media by request.



Columbia Basin College



# Welding TECHNOLOGY



## WELD:

The various processes, techniques, and methods of joining metals.



## WELDING TECHNOLOGY AT CBC:

The program that builds skills, meets goals, begins careers.

# Build Skills. Meet Goals. Begin Your Career.



# Welding TECHNOLOGY

## WELL-COMPENSATED CAREERS

The job outlook for welders, both within and outside the Columbia Basin, is excellent. Welders trained at CBC are qualified to work in a variety of settings, from local machine or repair shops to industrial firms and governmental agencies. Wages between union and non-union jobs vary greatly, but in general, welders are well-compensated.

### AS A WELDER, YOU MAY WORK IN:

Boilermaker Welding	Sheet Metal Welding
Carpenter Welding	Shipyards Welding
Construction Welding	Structural Steel Welding
Electrical Welding	Pipe Welding
Ironworker Welding	Fabrication Shop
Maintenance Welding	Welding Inspection
Millwright Welding	

## PROGRAMS DESIGNED FOR YOUR GOALS

Whether you are interested in becoming a professional welder, a hobbyist, or upgrading pre-existing skills, you'll find courses and programs that will help you meet your goals at CBC.

### AAS DEGREE

This two-year degree program requires students to successfully complete welding courses as well as general education requirements which include, among others, courses in math and English. A minimum grade of 2.0 is required for successful completion of major courses.

Students who earn their AAS degree are prepared for careers in today's construction trades and fabrication shops as well as continued education at a four-year university.

### ONE-YEAR CERTIFICATE OF COMPLETION

Students interested in gaining exposure and building welding skills can also work toward attaining their One-Year Certificate of Completion which will provide skills necessary to obtain employment in structural and/or fabrication welding.

### WELDING SKILL UPGRADE

Students who already work within the welding field, or have previous welding experience, can enroll in courses to upgrade pre-existing skills, learn new techniques, and improve overall welding competence.

### CONTRACT TRAINING

Companies interested in offering welding training to employees may contract with CBC to provide training specific to company needs.

## CLASSES AND OUTCOMES

Classes include training in structural, sheet metal, and pipe welding.

### YOU'LL LEARN:

Shield Metal Arc Welding (SMAW)  
Gas Metal Arc Welding (GMAW)  
Flux Cored Arc Welding (FCAW)  
Gas Tungsten Arc Welding (GTAW)  
Plasma Arc Cutting (PAC)  
Oxygen-Acetylene Cutting & Welding (OAC-OAW)

### MAJOR SUPPORT CLASSES:

Mechanical Drawing  
Blueprint Reading I  
Blueprint Reading II

Theory classes include Oxygen-Acetylene Process, Fundamentals of Processes and Consumables, Weldability of Metals, Welding Inspection, and Fabrication Techniques.

## THERE'S ROOM FOR CBC IN YOUR SCHEDULE

Welding courses are offered year-round. Morning and afternoon sessions are available Monday-Friday. Night sessions available Monday-Thursday. Saturday courses are also available.

## OPEN ENTRY/OPEN EXIT

Students may enroll any quarter of the year and exit upon meeting program or individual goals.

“

I can't believe where I am. They completely changed my ability. I still have a lot to learn, but they've helped me come a very long way in a short amount of time.”



### AURORA CODY

Former CBC Student  
Plumbers and Steam Fitters Local 598  
Welder Fitter

**CONTACT US AT:**  
(509) 547-0511, ext. 2263, 2632  
[www.columbiabasin.edu/welding](http://www.columbiabasin.edu/welding)

Welders play crucial roles in the development, sustainability, and advancement of many industries. By building practical, theoretical, and critical thinking skills at CBC, you'll be prepared for numerous careers in the welding industry and will be able to take advantage of the industry's competitive pay, benefits, career advancement, and opportunities for travel.

