

2024-25 AAS Welding Technology Map-Fall start, full-time cohort

Course Sequencing		
Year	Quarter	Subject
First Year	Fall	WT 101 & 111 (Oxy-Acetylene Process & Lab) WT 107 (Fabrication Principles) WT 112 (Intro to Shield Metal Arc Welding) DRW 106 (Mechanical Drawing for Vocational Application)
	Winter	WT 103 (Fundamentals Major Processes & their Consumables) WT 113 (Advanced Shield Metal Arc Welding) BPR 106 (Blueprint Reading 1) ***Welding Technology Certificate will be earned upon successful completion of this quarter
	Spring	WT 108 & 181 (Fabrication Technique 1 & Lab) WT 141 (Shield Metal Arc Welding Certification) MATH 100 (Algebraic Tools for Vocational Application)
	Summer	ENGL& 101 (Composition 1) OR 103 (Writing in the Workplace) PSYC& 100 (General Psychology) OR PSYC 103 (Applied Psychology) OR PSYC 201 (Social Psychology) OR BUS 271 (Human Relations Business) CMST& 101 (Intro to Communication Studies) OR 110 (Communication Behavior) ***Welding Technology One-Year Certificate will be earned upon successful completion of this quarter
Second Year	Fall	WT 201 (Weldability of Metals) WT 211 (Intro to Pipe Welding) OR WT 251 (Gas Metal Arc Welding Certificate)
	Winter	WT 202 (Welding Inspection) WT 222 (Gas Tungsten Arc Welding)
	Spring	WT 231 (Pipe Welding Certification) OR WT 255 (Structural Certification) WT 208 & 281 (Fabrication Technique 2 & Lab) BPR 206 (Blueprint Reading 2)

The plan above is only a sample. If you want to see all of the courses we offer, please visit our online catalog [here!](#)

BEFORE YOU START

Ready to get started? To begin working towards the certificate or the AAS degree, you simply need to apply and be accepted to CBC. You can apply online at www.columbiabasin.edu.

ABOUT THE PROGRAM

Do you enjoy working with your hands or using high-tech industrial equipment? Do you picture yourself as a builder or a problem solver? CBC's Welding program covers both theoretical and practical training in basic and advanced welding techniques, giving you all the skills you need to graduate and put your abilities and passions to work in an in-demand career in today's construction trades and fabrication shops.

While classes typically follow a schedule to help you complete the program in two years, you can choose to learn more about the follow specific processes by registering for additional lab time. Discuss options for additional studies in areas listed below with your instructor.

- Shielded metal arc (SMAW)
- Gas metal arc (GMAW)
- Flux cored arc (FCAW)
- Gas tungsten arc (GTAW)
- Oxy Acetylene

OUT OF CLASS TO DO'S

- Contact your instructors and/or the CBC Career Services Center to find an internship, observation/shadowing experience, or a job in the welding field.
- Visit the Academic Success Center for quiet study space, small group study, supplemental instruction and tutoring assistance.

CAREER OPPORTUNITIES

After completing our two-year degree, you'll have career opportunities in shield metal arc welding, gas metal arc welding, gas tungsten arc welding, pipe welding and fabrication.

TOOLS & SAFETY EQUIPMENT

Safety for you, other students and faculty is the first priority in the welding lab. You will complete safety training prior to working in the shop. In addition, you must have the proper attire or personal protective equipment. Clothing should be made of natural fibers, eye and ear protection are required, leather sleeves, chaps, etc. are worn to protect your skin, and a welding helmet is required.

In addition to the cost of tuition and fees, there are also tools that are required for this program, which typically cost approximately \$500. Please check with your welding instructor prior to purchasing any tools or equipment.

APPLY FOR FINANCIAL AID OR OTHER FUNDING

Please complete:

The FAFSA application: The Free Application for Federal Student Aid (FAFSA) provides financial aid for U.S. citizens and eligible non-citizens, such as permanent residents. Visit the [FAFSA website](#) to create your FSA ID and to complete your application.

OR

The WASFA application: The Washington Application for State Financial Aid (WASFA) is for DACA or HB 1079 undocumented students. Visit the [Washington Student Achievement Council website](#) to complete your WASFA application. **You can also apply for the [Washington State Opportunity Scholarship!](#)**

Did you know??? You can apply for CBC scholarships two times every year! Click [here](#) for more information!

PLEASE NOTE: This document represents a sample plan for degree completion with this program of study. Actual course selection and sequence may vary and should be discussed individually with your Completion Coach. Completion Coaches can also help you plan other experiences to enrich your education such as internships, research, learning communities, and campus involvement and community-based learning.

FAQs

Class Times/Delivery Format

Welding classes are offered in person. General education courses may be offered online.

Length of Program

Full-time students can earn a certificate in one year and the AAS degree in two years.

Which Quarter Can I Begin?

The program accepts new students every fall.

Office Hours: Monday to Thursday 7 am to 4:30 pm; Friday 7 am to noon

LEARN MORE |



careertechnicaleducation@columbiabasin.edu



509.542.4804



2600 N. 20th Ave.,
Pasco, WA 99301