

WELDER FOUNDATION



Central Okanagan
Public Schools
Together We Learn



This 28-week (840 hour) program takes students with little or no experience in the welding trade and supplies them with the necessary skills to seek employment in this industry as an apprentice or foundation welder. The course exposes the students to many aspects of the welding trade with a focus on developing practical skills. Welding is the foundation of many other metal trades and will open the door for students to move into other areas such as, inspection, pressure welding, artistic welding, ship building, aerospace, etc. or potentially starting their own business.

Career Opportunities

Welders often work in manufacturing, fabrication, steel construction and repair within oil, gas, mining, forestry, construction industries and shipyards. For more information on Welder employment opportunities:

WorkBC - www.workbc.ca

STBC - www.skilledtradesbc.ca

Admission Requirements

Grade 12 student with good attendance and academic standing on a Dogwood graduation plan. English 10 with a minimum 50%, Math 11 with a minimum 50%.

Program Outline

This program combines theory and hands-on training in the following courses, with a minimum passing grade of 70% per component.

WDFD 100 Line A Occupational Skills

WDFD 101 Line B Cutting and Gouging Processes

WDFD 102 Line C Fusion and Braze Welding (TB) using the Oxy-Fuel Process

WDFD 103 Line D Shielded Metal Arc Welding (SMAW)

WDFD 104 Line E Semi-Automatic and Automatic Welding

WDFD 105 Line F Gas Tungsten Arc Welding (GTAW)

WDFD 107 Line H Basic Metallurgy

WDFD 108 Line I Weld Drawings, Layout and Fabrication

Tuition

SD23 Pays:

- Tuition: \$3,606.68

Student Pays:

- Mandatory Fees: \$1,043.96 includes: Activity fee, Health & Dental, Student Association fee, Education Technology fee, Developmental fee
- Textbooks: \$975
- Tools: \$445, if purchased from the Welding Dept. or students can supply their own.
- Students must provide their own boots.

*All program costs are approximate and subject to change without notice.



Location

Okanagan College
1000 KLO Rd, Kelowna, BC



Student for a Day

Arrange your Student for a Day experience by contacting your school Career Coordinator.

Credentials Received

Graduates of this program will receive a Skilled Trades BC Certificate of Completion, technical training credit for Welder Level 1 and 2 with 300 work-based hours once registered as a Welder Apprentice.

Secondary school students will earn 32 elective credits (8 Grade 12 courses) towards graduation.

Physical Requirements

- Lift and carry tools, equipment, supplies and materials weighing up to approximately 30 lbs
- Lift, carry, hold and operate hand, air and power tools from below grade to above shoulders
- Stand on concrete, dirt, rock, asphalt, wood, etc. for extended periods of time
- Bend, stoop, kneel, crawl to perform tasks
- Work in open trenches and other confining environments
- Work in both indoor and outdoor venues, through all seasonal challenges
- Push/pull and carry pipe, tubing and construction materials
- Climb extension ladders, and work on scaffolding at heights

Recommendations for Success

- Good general health and respiratory condition
- Capable of doing physical work
- Physical strength and stamina compatible with the handling of heavy equipment and materials
- Ability to tolerate loud noise and vibration from riveting tools
- Good manual dexterity
- Balance and coordination to walk on uneven ground for up to 8 hours per day
- Good hand-eye coordination
- Satisfactory eyesight, line, form and depth perception

Sponsorship Requirements for SD23 Students

- Attend "Student for a Day"
- Complete the School District application package and hand it into your Career Programs Coordinator
- Be on track to graduate with a Dogwood diploma
- Meet with Career Coordinator to review program and school district exemptions
- Okanagan College course requirements / admission requirements met for program
- Application approved and accepted by School District
- An interview may be required for potential applicants

Focus on Safety

Okanagan College is committed to providing a safe learning environment for students. All students are responsible for:

- Knowing safe work procedures in classroom, shop and work areas
- Following the safety standards as taught by the instructor. These standards meet or exceed the regulatory requirements of the WorkSafe BC Occupational Health and Safety Regulation.

Failure to do so may result in suspension from the program. Each student is expected to report any unsafe condition or unsafe behavior to their instructor.

**Applications are available at your school
Career Centre or go to
www.dualcredit23.sd23.bc.ca**



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