



## CSTW1 – Construction Craft Worker Program

### Trades

**Effective Term & Year:** Fall 2022

**Program Outline Review Date:** 2026-01-01

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**Program Area:** Trades Apprenticeship Training

#### **Description:**

This comprehensive 8-week Construction Craft Worker program provides students with the knowledge and skills required for labourers on various construction sites and covers the program competencies for Level 1 of the two-level Construction Craft Worker Apprenticeship program. Learning outcomes covered include using power and hand tools and equipment, routine trade activities, site preparation and clean-up, setting up and removing access equipment and scaffolds, assisting on concrete, wood, steel erection projects as well as handling materials and equipment and perform demolition, excavation and compaction activities. The program includes classroom theory and practical hands-on experience in a carpenter shop setting as well as other construction sites. Safe work habits are emphasized, reinforced and practiced throughout the program.

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#### **Credentials Granted:**

Upon successful completion of the Construction Craft Worker program, students receive:

- Level 1 Technical Training of the two-level Construction Craft Worker program from SkilledTradesBC

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**Delivery Methods:** Online, Face-to-Face

**Program Duration:** 8 weeks

**Instructional Activity and Hours:**

<b>Activity</b>	<b>Hours</b>
Instructional Hours (hrs/wk)	28 hrs/wk
Directed Studies (hrs/wk)	2 hrs/wk
Total (hrs/wk)	30 hrs/wk
Total Program Hours	240 hours

### **Content Weighting:**

<b>Activity</b>	<b>Percentage</b>
Classroom, Directed Studies or Online Instruction	60%
Seminar/Tutorials	40%

### **Admission Requirements:**

Secondary School graduation, BC Adult Graduation Diploma, GED or Mature student status (age 19 prior to the start of classes) and completion of a College assessment to an acceptable level.

### **Flexible Assessment:**

Credit cannot be awarded for this program through Flexible Assessment.

### **Program Transfer Credit:**

For information about block transfer agreements between programs in British Columbia, Alberta, and elsewhere, please visit <http://www.cotr.bc.ca/transfer>.

To minimize transfer issues, check with an academic advisor at the institution that will receive the transfer credits.

### **Textbooks and Required Resources:**

Textbook selection varies by instructor and may change from year to year. At the Program Outline Effective Date the following textbooks were in use (most current edition):

SkilledTradesBC. *Construction Craft Worker: Level 1* Queen's Printer. 2017

Please see the instructor's syllabus or check COTR's online text calculator <https://textbook.cotr.bc.ca/> for a complete list of the currently required textbooks.

## **Program Competencies and Technical Training Content:**

Upon the successful completion of this program, students will be able to

### CSTW 101 Safe Work Practices

- Manage workplace hazards
- Apply OHS regulations and WorkSafe BC standards
- Use Fall protection systems and equipment
- Use PPE
- Use Fire safety equipment
- Perform safety watch

### CSTW 102 Organize Work

- Use documentation, blueprints and specifications
- Communicate with others
- Use basic trade math

### CSTW 103 Use Tools and Equipment

- Use hand tools, power tools, powder-actuated tools
- Use rigging and hoisting equipment
- Use portable and mobile equipment
- Use sandblasters and packers

### CSTW 104 Perform Routine Trade Activities

- Install permanent and temporary fencing
- Erect and dismantle hoarding/enclosures
- Perform traffic control
- Establish grades and elevations
- Handle materials
- Install membranes and insulating materials

### CSTW 105 Perform Site work

- Prepare site
- Perform groundwork and demolition
- Apply excavation and shoring practices
- Service site

### CSTW 106 Use Scaffolding and access equipment

- Use Scaffolding and access equipment

CSTW 107 Perform Concrete Formwork

- Form, place and finish concrete

CSTW 108 Perform utilities and pipeline tasks

- Install utility piping

CSTW 109 Perform roadwork

- Install paving materials
- Install roadwork components

**Evaluation and Assessment:**

CONSTRUCTION CRAFT WORKER

COTR COURSE	SUBJECT COMPETENCIES	THEORY WEIGHTING	PRACTICAL WEIGHTING
CSTW101	Safe Work Practices	13%	5%
CSTW102	Organize Work	6%	11%
CSTW103	Use Tools and Equipment	11%	8%
CSTW104	Perform Routine Trade Activities	12%	5%
CSTW105	Perform Site work	23%	10%
CSTW106	Use Scaffolding and access equipment	6%	17%
CSTW107	Perform Concrete Formwork	11%	30%
CSTW108	Perform utilities and pipeline tasks	8%	14%
CSTW109	Perform roadwork	10%	0%
<b>Total</b>		<b>100%</b>	<b>100%</b>
<b>In-school theory / practical subject competency weighting</b>		60%	40%
<b>Final in-school percentage score</b>			
Students must achieve a minimum 70% as the final in-school percentage score		IN-SCHOOL %	

**Pass Requirements:**

- maintain a minimum of 95% attendance within the program,
- complete all assigned projects,
- successfully complete required workplace health and safety courses
- achieve a minimum grade of 70% of all program competencies (combined theory and practical)

**Students must provide their own:**

- Steel toed boots
- Safety glasses

**Academic Policies:**

College of the Rockies policies related to courses can be found at <https://cotr.bc.ca/about-us/college-policies/> and include the following:

- Policy 2.4.3 Students with Documented Disabilities
- Policy 2.4.4 Student Conduct (plagiarism, other cheating, behavioral misconduct)
- Policy 2.5.8 Academic Performance
- Policy 2.5.3 Grade Appeal
- Policy 2.4.9 Student Concerns Re Faculty

**Program Grade**

<b>COM</b>	<b>NCG</b>
Completed to the defined standard – 70% or greater	No Credit Granted – less than 70%

**Program Changes:**

Information contained in program outlines is correct at the time of publication. Content of the program is revised on an ongoing basis to ensure relevance to changing educational, employment, and marketing needs. The instructor endeavours to provide notice of changes to students as soon as possible. The instructor reserves the right to add material to programs.

**Industry Training:**

The program competencies and technical training content delivered in this program follow the SkilledTradesBC Program Outline for this trade.

**Safety Catalog:**

Safety

WorkSafeBC regulations apply to all trades programs. Students are expected to follow all safe work practices and have high regard for the safety of others as well as of themselves. Students are responsible to wear personal protective equipment (PPE) as directed. At a minimum, students must provide and wear approved safety footwear and eyewear at all times in the shop. Additional PPE may be required for specific tasks. Students are expected to wear clothing suitable for working safely in the shop.

**Course Descriptions:** Refer to Course Outlines – <https://outlines.cotr.bc.ca/course/>