CAAP1 – Carpenter Apprenticeship Level 1

Trades

Effective Term & Year: Fall 2022
Program Outline Review Date: 2023-09-01

Program Area: Trades Apprenticeship Training

Description:

This 7-week program delivers the skills, knowledge and training required for Level 1 of the 4-Year Carpenter Apprenticeship program. Program competencies covered include the safe and effective use of hand tools, portable power tools, and stationary power tools, skills for interpreting building codes and bylaws, skills in surveying, and rigging and hoisting of equipment. Apprentices learn techniques related to concrete formwork and wood frame construction. This program includes classroom theory, demonstrations and practical hands-on training in a carpenter shop setting. Safe work habits are emphasized, reinforced and practiced throughout the program.

Credentials Granted:

Upon successful completion of the 7 week Level 1 Carpenter Apprenticeship program, students receive:

Level 1 Technical Training credit of the Carpenter Apprenticeship program from SkilledTradesBC

Delivery Methods: On-Campus (Face-to-Face), Online

Program Duration: 7 weeks

Instructional Activity and Hours:

Activity	Hours
Instructional Hours (hrs/wk)	28 hrs/wk
Directed Studies (hrs/wk)	2 hrs/wk
Total (hrs/wk)	30 hrs/wk
Total Program Hours	210 Hours

Content Weighting:

Activity	Percentage
Theory	50%
Practical Skills	50%

Admission Requirements:

Sponsored Carpenter apprentice.

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):

Carpentry Apprenticeship Competencies Year 1

Carpentry, 1st Canadian Edition by Vogt and Naugh

Building Trades Blueprint Reading – Residential

WCB Regulations (not necessary to purchase)

BC Building Code

Canadian Woodframe House Construction (optional)

The Span Book (optional)

Program Competencies and Technical Training Content:

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

CAAP 111 Safe Work Practices

- Apply Shop and Site Safety Practices
- Apply Personal Safety Practices

CAAP 112 Documentation and Organizational Skills

- Use construction drawings and specifications
- Interpret building codes and bylaws
- Plan and organize work
- Perform trade math

CAAP 113 Tools and Equipment

- Use hand tools
- Use portable power tools
- Use stationary power tools

CAAP 114 Survey Instruments and Equipment

- Use leveling instruments and equipment

CAAP 115 Access, Rigging and Hoisting Equipment

- Use ladders, scaffolds and access equipment
- Use rigging and hoisting equipment

CAPP 116 Site Layout

- Lay out building locations

CAAP 117 Concrete Formwork

- Use concrete types, materials, additives and treatments
- Select concrete forming systems
- Build footing and vertical formwork
- Build slab-on-grade forms and suspended slab forms
- Install reinforcement and embedded items
- Place and finish concrete

CAAP 118 Wood Frame Construction

- Describe wood frame construction
- Select framing materials
- Build floor systems
- Build stair systems
- Build decks and exterior structures

CAAP 119 Building Science

- Control the forces acting on a building

Evaluation and Assessment:

CARPENTER APPRENTICESHIP LEVEL 1

COTR COURSE	SUBJECT COMPETENCIES	THEORY WEIGHTING	PRACTICAL WEIGHTING
CAAP 111	Safe Work Practices	6%	3%
CAAP 112	Documentation and Organizational Skills	16%	12%
CAAP 113	Tools and Equipment	17%	16%
CAAP 114	Survey Instruments and Equipment	6%	6%
CAAP 115	Access, Rigging and Hoisting Equipment	15%	15%
CAAP 116	Site Layout	2%	3%
CAAP 117	Concrete Formwork	20%	30%
CAAP 118	Wood Frame Construction	16%	15%
CAAP 119	Building Science	2%	0%
	Total	100%	100%
Calculated by the Training Provider **Carpenter** (in-school theory and practical subject competency weighting)		50%	50%
Training Provider enters final in-school mark into STBC Direct Access		IN-SCHOOL %	

Calculated by SkilledTradesBC: In-school Mark SkilledTradesBC calculates the percentage weighting once the in-school mark is entered. Combined theory and practical subject competency multiplied by	80%
Calculated by SkilledTradesBC: Standard Level Exam Mark SkilledTradesBC calculates the percentage weighting once the standard level exam marks have been entered. The exam score is multiplied by	20%
Calculated by SkilledTradesBC: Final Mark The final mark for determining credit is calculated by SkilledTradesBC.	FINAL%

Pass Requirements:

1. Successful completion of the in-school training is defined as a final overall minumum of 70% to meet SkilledTradesBC standards.

    - Students must maintain an acceptable level of attendance, complete all assigned projects and pass all exams to successfully complete the program.

Students must provide their own:

- Safety-toed leather work boots
- Safety glasses
- Reference manuals
- Pens, pencils, three-ring binder, paper
- Calculator (non-programmable)
- Paper

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 2.4.8 Academic Performance
- Policy 2.5.3 Grade Appeal
- Policy 2.4.9 Student Concerns Re Faculty

Program Grade

COM	NCG

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:

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.