CAAP4 – Carpenter Apprenticeship Level 4

Trades

Effective Term & Year: Fall 2022
Program Outline Review Date: 2025-04-01

Program Area: Trades Apprenticeship Training

Description:

This 7-week program delivers the technical training for Level 4 of the four-level Carpenter Apprenticeship program. Apprentices develop knowledge and practical skills related to interpreting building codes and bylaws, using layout equipment, preparing building sites, wood frame construction including building roof systems, stairs, specialized framing systems, performing renovations and additions, building timber and engineered wood constructions, decks and exterior structures, and installing interior finishing for cabinets, floors, ceilings and wall systems. This program includes classroom theory, demonstrations and practical hands-on training in a carpenter shop setting. Safe work practices related to the carpenter trade are emphasized and reinforced throughout the program.

Credentials Granted:

Upon successful completion of the 7-week Level 4 Carpenter Apprenticeship program, students receive:

- Level 4 Technical Training credit of the Carpenter Apprenticeship program from SkilledTradesBC
- Carpenter Apprenticeship Level 4 Certificate from the College of the Rockies

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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 who has successfully completed Level 3 Carpenter apprenticeship (harmonized) or Level 3 Carpenter apprenticeship (non-harmonized) AND Level 3 Carpenter apprentice Gap B Training.

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 4

Vogt and Nauth*, Carpentry Canadian 1st Edition*

Building Trades Blueprint Reading – Residential

WCB Regulations (online)

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 411 Documentation and Organizational Skills

- Interpret building codes and bylaws
- Plan and organize work

CAAP 412 Survey Instruments and Equipment

- Use site layout equipment

CAAP 413 Site Layout

- Prepare building site

CAAP 414 Wood Frame Construction

- Build stair systems
- Build roof systems
- Build specialized framing systems
- Perform renovations and additions
- Build timber and engineered wood construction
- Build decks and exterior structures

CAAP 415 Finishing Materials

- Install interior finishes
- Install interior floor, ceiling and wall systems

CAAP 416 Building Science

- Control the forces acting on a building

Evaluation and Assessment:

CARPENTRY APPRENTICESHIP LEVEL 4

COTR COURSE	SUBJECT COMPETENCIES	THEORY WEIGHTING	PRACTICAL WEIGHTING
CAAP 411	Documentation and Organizational Skills	15%	20%
CAAP 412	Survey Instruments and Equipment	10%	13%
CAAP 413	Site Layout	8%	0%
CAAP 414	Wood Frame Construction	55%	55%
CAAP 415	Finishing Materials	10%	12%
CAAP 416	Building Science	2%	0%
	Total	100%	100%

Calculated by the Training Provider

Carpenter in-school theory & practical subject competency weighting	50% 50%
In-school Mark Combined theory and practical subject competency multiplied by	70%
Proprietary Exam Mark The exam score is multiplied by	30%
Training Provider enters final in-school mark into STBC Direct Access A score of 70% or greater is required for a pass.	FINAL%

Pass Requirements:

All apprentices who complete Level 4 of the Carpenter program with a FINAL level mark of 70% or greater will write the Interprovincial Red Seal examination as their final assessment.

SkilledTradesBC will enter the apprentices' Carpenter Interprovincial examination mark in STBC Direct Access. A minimum mark of 70% on the examination is required for a pass.

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.