



CAAP4 – Carpenter Apprenticeship Level 4

Trades

Effective Term & Year: Spring 2024

Program Outline Review Date: 2029-09-01

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, , 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 will receive:

- Level 4 Technical Training credit of the Carpenter Apprenticeship program from SkilledTradesBC.

Delivery Methods: Face-to-Face, Hybrid (Face-to-Face and 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 |
|---------------------------------------------------|-------------------|
| Classroom, Directed Studies or Online Instruction | 50% |
| Seminar/Tutorials | 50% |

Admission Requirements:

Sponsored carpenter apprentice who has successfully completed Level 3 of the Carpenter Apprenticeship program.

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)

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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:

CAAP 411 Documentation and Organizational Skills

- Interpret building codes and bylaws
- Plan and organize work
- Use communication and mentorship techniques

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

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
- Control the forces acting on a building as a system

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

See instructor’s syllabus for the detailed outline of weekly readings, activities and assignments.

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 | 5% | 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 2.5.8 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.

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