



Carpenter Apprenticeship Level 4 – CAAP4

Trades Training

Program Outline

PROGRAM IMPLEMENTATION DATE: November 2003
OUTLINE EFFECTIVE DATE: April 2024
PROGRAM OUTLINE REVIEW DATE: September 2029

GENERAL PROGRAM 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: This program is delivered face to face or hybrid (online with face-to-face components).

Time for this program: 7 weeks

Structure of Instructional Hours:

Instructional Activity	Duration
Instructional Hours	28 hrs/wk
Directed Studies	2 hrs/wk
Trades Contact Hours	30 hrs/wk
Total Program Hours	210hrs

Content Weighting	Duration
Theory	50%
Practical Skills	50%
Total	100%

Program Outline Author or Contact:

Mark Knudsgaard, CARP IP, RSE

Signature

APPROVAL SIGNATURES:

Department Head

Joy Brown

E-mail: jbrown3@cotr.bc.ca

Dean of Trades and Technology

Dr. Jack Moes

E-mail: jmoes@cotr.bc.ca

Department Head Signature

Dean Signature

EDCO

Valid from: April 2024 – September 2029

Education Council Approval Date

PROGRAM PREREQUISITES AND TRANSFER CREDIT:

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

Flexible Assessment (FA):

Credit can be awarded for this program through FA

Yes

No

Prior Learning Credit: Apprentices that have extensive work experience in a trade (in BC or elsewhere) but have never been certified must apply through SkilledTradesBC (STBC) to challenge the certification for advanced placement in a program. Refer to the STBC website ([Challenge a Skilled Trade | SkilledTradesBC](#)) for details regarding the challenge procedure. Trade specific requirements can be found for each trade in the Trades Program Profiles on the STBC website.

Prior Program Number: N/A

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)

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.

TECHNICAL TRAINING CONTENT AND PROGRAM COMPETENCIES:

- 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.

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	52%	55%
CAAP 415	Finishing Materials	10%	12%
CAAP 416	Building Science	5%	0%
	Total	100%	100%
In-school theory/practical subject competency weighting		50%	50%
Final in-school percentage score Apprentices must achieve a minimum 70% as the final in-school percentage score to be eligible to write the Interprovincial Red Seal exam.		IN-SCHOOL%	

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 apprentice’s Red Seal Interprovincial examination mark in SkilledTradesBC Direct Access. A minimum mark of 70% on the examination is required for a pass.

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.

STUDENTS MUST PROVIDE THEIR OWN:

- Safety-toed leather work boots
- Safety glasses
- Reference manuals (as listed on the second page)
- Pens, pencils, three-ring binder, paper
- Calculator (non-programmable)
- Paper

EXAM POLICY:

Students must attend all required scheduled tests and exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled test or exam without approval will be given a grade of "0" for the exam.

PROGRAM GRADE:

Program grades are assigned as follows:

COM	Completed to defined standard ≥ 70
NCG	No Credit Granted < 70

Successful completion of the in-school training for each level is defined as a final score of 70% or greater. (ITA website)

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to program activities, including grade appeals, cheating and plagiarism.

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.