



Carpenter Apprenticeship Level 3 – CAAP3

Trades Training

Program Outline

PROGRAM IMPLEMENTATION DATE: November 2003
OUTLINE EFFECTIVE DATE: April 2019
PROGRAM OUTLINE REVIEW DATE: September 2024

GENERAL PROGRAM DESCRIPTION:

This 7-week program delivers the technical training for Level 3 of the four-level Carpenter Apprenticeship program. Apprentices develop knowledge and practical skills related to interpreting building codes and bylaws, applying excavation practices, building and installing concrete formwork, building roof systems, 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 3 Carpenter Apprenticeship program, students receive:

- Level 3 Technical Training credit of the Carpenter Apprenticeship program from the Industry Training Authority.

Delivery: This program is delivered face to face as a block intake.

Time for this program: 7 weeks

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Theory based training (approximately)	50%
Practical shop floor training (approximately)	50%
Trades Contact Hours	28 hrs/wk

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	N/A
Formal Work Experience	N/A
Other	N/A
Total	

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 2019 – September 2024

Education Council Approval Date

PROGRAM PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: Sponsored Carpenter apprentice who has successfully completed Level 2 (harmonized curriculum) of the Carpenter Apprenticeship program or Level 2 of the Carpenter Apprenticeship (non- harmonized curriculum) AND Level 2 Gap Training.

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 the Industry Training Authority (ITA) to challenge the certification for advanced placement in a program. Refer to the ITA website (<http://www.itabc.ca/apply-apprenticeship/challenging-exams>) for details regarding the challenge procedure. Trade specific requirements can be found for each trade in the Trades Program Profiles on the ITA 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):

Carpenter Apprenticeship Program Level 3 (two binder set) 2018
Carpentry Third Canadian Edition by Vogt and Nauth
Building Trades Blueprint Reading – Residential
WCB Regulations (not necessary to purchase) available 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

http://www.cotr.bc.ca/bookstore/cotr_web.asp?IDNumber=164 for a complete list of the currently required textbooks.

PROGRAM DESIGN:

Apprenticeship programs cover the general area competencies (GAC) for the program as sourced from curriculum documents provided by Industry Training Authority (ITA). The Technical Training Topics are listed under the Technical Training Content section of this document, and related competencies are listed under the Program Competencies section. College of the Rockies is accredited by ITA to deliver apprenticeship programs.

TECHNICAL TRAINING CONTENT:

CAAP 311 Documentation and Organizational Skills

- Use construction drawings and specifications
- Interpret building codes and bylaws

CAAP 312 Tools and Equipment

- Use hand tools
- Use stationary power tools

CAAP 313 Site Layout

- Apply excavation and shoring practices

CAAP 314 Concrete Formwork

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

CAAP 315 Wood Frame Construction

- Build roof systems

CAAP 316 Finishing Materials

- Install doors and hardware
- Install interior finishes
- Install cabinets
- Install interior floor, ceiling and wall systems

PROGRAM COMPETENCIES:

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

- use construction drawings and specifications
- interpret building codes and bylaws
- use hand tools and stationary power tools
- apply excavation and shoring practices
- use concrete types, materials, additives and treatments
- select concrete forming systems
- build footing and vertical formwork
- build slab-on-grade and suspended slab forms
- install reinforcement and embedded items
- build concrete stair forms
- install specialized formwork
- build roof systems
- install doors and hardware
- install interior finishes, cabinets and interior floor, ceiling and wall systems.

The program competencies covered in this program follow Industry Training Authority harmonized curriculum.

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

EVALUATION AND ASSESSMENT:

Assignments	% Of Total Grade
Theory	50%
Practical	<u>50%</u>
Total	100%

Note: When the apprentice completes the program the instructor will report evaluation results to the Industry Training Authority.

Passing Grade – Final Mark minimum 70% overall

Students must maintain an acceptable level of attendance (as described in the College Policies and Procedures), complete all assigned projects and pass all exams to successfully complete the program.

CARPENTER APPRENTICESHIP LEVEL 3			
COTR COURSE	SUBJECT COMPETENCIES	THEORY WEIGHTING	PRACTICAL WEIGHTING
CAAP 311	Documentation and Organizational Skills	14%	14%
CAAP 312	Tools and Equipment	3%	8%
CAAP 313	Site Layout	3%	0%
CAAP 314	Concrete Formwork	30%	30%
CAAP 315	Wood Frame Construction	20%	18%
CAAP 316	Finishing Materials	30%	30%
	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 ITA Direct Access		IN-SCHOOL %	

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

STUDENT RESPONSIBILITY:

Students are expected to follow all College Policies and Practices as outlined in the program handout package. Mastery of trade specific techniques and methods necessary to a given trade requires significant supervised practice. As a result, regular attendance is necessary for success in this program. Students are expected to follow Policy 2.6.2 – "***Vocational Student Withdrawals as a Result of Absence***".

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.

The shop attendant is also the first aid attendant for the building. Students may only work in the shop during assigned times. If an incident occurs, no matter how minor, it must be reported to the shop attendant immediately.

INDUSTRY SITE VISITS:

There may be off-site field trips organized in the program as opportunity or resources are available during this program. Students **ARE REQUIRED** to arrange their own transportation for such field trips. Students are expected to follow all college policies and procedures when participating in off-campus activities.

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 \geq 70%
NCG	No Credit Granted $<$ 70%

Successful completion of the in-school training 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 programs 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.