

# CARPENTRY AND RENOVATION TECHNIQUES

**Program:** CRNT

**Credential:** Ontario College Certificate

**Delivery:** Full-time

**Length:** 2 Semesters

**Duration:** 1 Year

**Effective:** Fall 2018

**Location:** Barrie, Muskoka, Owen Sound

## Description

Students gain occupational skills for employment in the construction and renovation industry. Students practice lot layout, concrete formwork, framing, demolition, renovations, interior and exterior finish and sustainable construction techniques. Theory and applications of safety standards, building codes, blueprint reading, energy efficiency, and environmental practices are studied. Students learn to interpret the Ontario Building Code as it applies to renovations and new construction. Focus is on the residential sector. Basics of entrepreneurship are presented.

## Career Opportunities

Our graduates enjoy success as employees in residential, commercial and industrial construction, as well as the renovation field. Potential opportunities may include General Carpenter, Framers, Formwork Carpenter, Renovator, or Trim Carpenter. They may wish to discuss eligibility for apprenticeship credits into the General Carpentry apprenticeship program with the Ministry of Advanced Education and Skills Development. Graduates may choose to add more specialized skills such as Cabinetmaking, Building Inspection, Interior Design, or continue their education in the Architectural field.

## Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

1. identify and use strategies to enhance work performance and continued learning to keep pace with industry changes;
2. identify and adhere to established health and safety practices that apply to specific job sites, in accordance with current legislation and regulations;
3. perform building construction and renovation tasks in compliance with contracts, the Ontario and/or National Building Codes, applicable laws and industry's ethical practices;
4. work in accordance with established sustainability practices;
5. communicate and collaborate with diverse clients, supervisors and tradespersons to complete projects on time and to maintain effective working relationships;
6. assist with maintaining accurate project documents and use computer technologies to support building construction and renovation projects;
7. solve on-site trade-related building and renovation problems by applying principles of basic technical mathematics and building science;
8. select, maintain and safely operate hand tools, and portable and stationary power tools, to efficiently complete building construction and renovation tasks;
9. assist with the completion of building and renovation stages, from site layout and footings to the application of interior and exterior finishes, according to specifications;
10. assist in the preparation of material estimations according to building construction and renovation project documents;
11. employ environmentally sustainable practices;
12. apply basic entrepreneurial strategies to identify and respond to new opportunities.

## The Program Progression

### Fall Intake

- **Sem 1:** Fall 2018
- **Sem 2:** Winter 2019

## Admission Requirements

OSSD or equivalent with

- Grade 12 English (C or U)

Mature students, non-secondary school applicants (19 years or older), and home school applicants may also be considered for admission. Eligibility may be met by applicants who have taken equivalent courses, upgrading, completed their GED, and equivalency testing. For complete details refer to: [www.georgiancollege.ca/admissions/policies-procedures/](http://www.georgiancollege.ca/admissions/policies-procedures/) (<http://www.georgiancollege.ca/admissions/policies-procedures/>)

Applicants who have taken courses from a recognized and accredited post-secondary institution and/or have relevant life/learning experience may also be considered for admission; refer to the Credit Transfer Centre website for details:

[www.georgiancollege.ca/admissions/credit-transfer/](http://www.georgiancollege.ca/admissions/credit-transfer/) (<http://www.georgiancollege.ca/admissions/credit-transfer/>)

## Graduation Requirements

- 10 Program Courses
- 1 Communications Course
- 1 General Education Course

### Graduation Eligibility

To graduate from this program, the passing weighted average for promotion through each semester, and to graduate is 60%. Additionally, a student must attain a minimum of 50% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester unless otherwise stated on the course outline.

## Program Tracking

Semester 1		Hours
Program Courses		
CART 1011	Carpentry Fundamentals	56
CART 1012	Applied Carpentry Fundamentals	84
CART 1013	Construction Practices	70
CART 1014	Formwork and Framing	84
MATH 1007	Mathematics Techniques	42
General Education Course		

Select 1 course from the general education list during registration.	42
Hours	378
<b>Semester 2</b>	
<b>Program Courses</b>	
CART 1015      Finish Carpentry Fundamentals	84
CART 1016      Interior and Exterior Finishes	84
CART 1017      Advanced Framing and Sustainability	84
CART 1018      Blueprint Reading	42
CART 1019      CAD Drafting	42
<b>Communications Course</b>	
Select 1 course from the communications list during registration.	42
Hours	378
Total Hours	756

*Information contained in College documents respecting programs is correct at the time of publication. Academic content of programs and courses is revised on an ongoing basis to ensure relevance to changing educational objectives and employment market needs. The college reserves the right to add or delete programs, options, courses, timetables or campus locations subject to sufficient enrolment, and the availability of courses.*