CARPENTRY AND RENOVATION TECHNIQUES

Program: CRNT
Credential: Ontario College Certificate
Delivery: Full-time
Length: 2 Semesters
Duration: 1 Year
Effective: Fall 2022
Location: Barrie

Description

Students develop and enhance 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, Framer, 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 Training, Colleges, and Universities. Graduates may choose to develop more specialized skills through additional education in Cabinetmaking, Building Inspection, Interior Design, and Architecture.

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 trades persons 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. apply basic entrepreneurial strategies to identify and respond to new opportunities.

Program Progression

The following reflects the planned progression for full-time offerings of the program.

Fall Intake

- **Sem 1:** Fall 2022
- **Sem 2:** Winter 2023

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/academic-regulations/ (http://www.georgiancollege.ca/admissions/academic-regulations/)

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 for Prior Learning website for details: www.georgiancollege.ca/admissions/credit-transfer/ (http://www.georgiancollege.ca/admissions/credit-transfer/)

Graduation Requirements

11 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

The following reflects the planned course sequence for full-time offerings of the Fall intake of the program. Where more than one intake is offered contact the program co-ordinator for the 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
CART 1020	Blueprint Reading Fundamentals	28
MATH 1036	Math for Wood Trades	28
General Education Course		
Select 1 course from the general education list during registration.		42
	Hours	**392**
Semester 2		
Program Courses		
CART 1015	Finish Carpentry Fundamentals	84
CART 1016	Interior and Exterior Finishes	84
CART 1017	Advanced Framing and Sustainability	84
CART 1019	CAD Drafting	42
CART 1021	Blueprint Reading Applications	28
Communications Course		
Select 1 course from the communications list during registration.		42
	Hours	**364**
	Total Hours	**756**

Graduation Window

Students unable to adhere to the program duration of one year (as stated above) may take a maximum of two years to complete their credential. After this time, students must be re-admitted into the program, and follow the curriculum in place at the time of re-admission.

Disclaimer: *The information in this document 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.*

Program outlines may be subject to change in response to emerging situations, in order to facilitate student achievement of the learning outcomes required for graduation. Components such as courses, progression, coop work terms, placements, internships and other requirements may be delivered differently than published.