



# CAMBRIDGE COLLEGE

Unit 109, 8166 128th Street, Surrey, BC, Canada V3W 1R1 | DLI: O19394940342  
Call: +1 (604) 337-5300 | Email: info@cambridgecollegebc.com



BC Care Aide &  
Community Health  
Worker Registry



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## Program Title - Plumber Red Seal Exam Preparation Course

### Brief Program Description

The **Plumber Red Seal Exam Preparation Course** is an online program tailored to equip plumbers with the knowledge and skills necessary to pass the Red Seal certification exam. The course offers comprehensive coverage of the National Occupational Analysis (NOA) for plumbers and emphasizes trade-specific knowledge, practical problem-solving, and exam strategies. Participants will gain a solid understanding of Canadian plumbing standards and develop confidence to meet industry expectations.

### Career Occupation

- Skilled Trade: Plumbing

### Admission Requirements

- Minimum age of 19 years
- High School Diploma or Certificate of Completion
- IELTS minimum score of 5.5 (for International Students)
- Academic transcripts submitted in English

### Learning Objectives

Upon completion of this online program, students will have demonstrated the ability to:

- Understand the structure and requirements of the Red Seal exam for plumbers.
- Master critical plumbing concepts and trade-specific skills.
- Apply effective exam strategies, including time management and multiple-choice question techniques.
- Interpret and utilize the National Occupational Analysis (NOA) for plumbing.
- Build confidence in plumbing trade skills aligned with Canadian industry standards.

### Method(s) of Evaluation

1. **Participation / Attendance (10%):** Active participation in live virtual classes and discussion forums is critical. This measure ensures that students engage with instructors and peers, contributing to their understanding of course content.
2. **Quizzes (20%):** Regular quizzes after each module assess understanding of key concepts and trade knowledge, allowing students to track their progress and review areas that require improvement.
3. **Project Assignments (20%):** Practical assignments give students a chance to apply their knowledge to real-world plumbing scenarios, focusing on problem-solving skills and the ability to interpret trade standards.
4. **Practice Exams (30%):** These timed, comprehensive exams simulate the Red Seal test environment, helping students practice exam strategies and familiarize themselves with the question format and difficulty level.



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5. **Final Exam (20%):** The final exam assesses cumulative knowledge and skills acquired throughout the course, ensuring readiness for the Red Seal exam.

## Completion Requirements

- Students must achieve a minimum grade of 70% to graduate from the program.

## Program Duration

- **Total Duration:** 350 instructional hours, delivered over 36 weeks.

## Homework Hours

- Estimated between 50–75 hours for assignments, projects, and practice exams, allowing students to reinforce their learning.

## Delivery Method(s)

- **Online Learning:** The course is delivered through a combination of live virtual classes, interactive online modules, and self-paced study materials.

## Required Course Materials

- **National Occupational Analysis (NOA) for Plumbing** (Online Resource): This comprehensive guide provides the foundational framework of the plumbing trade, covering required knowledge and essential skills as outlined in the Red Seal exam.
- **Plumbing Code of Canada:** Essential for understanding Canadian plumbing standards, this codebook explains regulations, best practices, and code requirements for plumbing installation, maintenance, and safety.
- **Red Seal Practice Exams for Plumbing:** Featuring exam-style questions, this resource prepares students for the format and rigor of the Red Seal exam, focusing on plumbing trade standards and typical problem-solving scenarios.
- **Canadian Plumbing Textbook** by ITA BC: This trade-specific textbook offers detailed explanations of plumbing theory and practice, essential for deepening students' knowledge in preparation for both practical and theoretical aspects of the exam.

## Program Organization

Module	Topic	Instructional Hours
C1	Canadian Trade Safety Awareness	20 hours
C2	Canadian Essential Skills & NOC Review	20 hours
C3	Review of Drawings, Tools & Plumbing Codes	60 hours
C4	Identification of Key Plumbing Systems	40 hours
C5	Pipefitting, Fixtures, and Water Systems	40 hours
C6	Plumbing System Design and Troubleshooting	50 hours
C7	Comprehensive Trade-Specific Exam Review	120 hours

**Total Hours:** 350 instructional hours