



## Red Seal Exam Preparation- PLUMBING

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### 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\* (if applicable)

- Master Plumbers (NOC 72300)
- Facility Maintenance Worker- Plumber

### Admission Requirements\*

- Minimum age of 19 years old
- High School Diploma or Certificate of Completion
- IELTS minimum score of 5.5 (International Students) or College English Assessment Test with minimum 60%
- Academic transcripts submitted in English

### Learning Objectives\*

**Upon completion of this program the successful student will have reliably demonstrated the ability to:**

- Understand the Red Seal Examination Process
- Understanding and applying the National Plumbing Code and local regulations to ensure compliance and safety in plumbing systems.
- Gaining proficiency in key plumbing techniques, such as pipe installation, repair, maintenance, and troubleshooting for residential, commercial, and industrial systems.



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- An ability to understand the National Occupational Analysis (NOA) for their specific trade
- Reviewing the content and format of the Red Seal exam, focusing on essential plumbing theory, practical applications, and test-taking strategies.
- Develop ways to manage their time.
- Familiarizing with the various plumbing tools, materials, and equipment used in the trade, and learning how to select and use them effectively for different tasks.
- Developing the ability to analyze and solve complex plumbing issues, ensuring high-quality workmanship and efficient systems operation.

### Method(s) of Evaluation\*

#### Methods of evaluation will consist of the following:

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.

### Completion Requirements\*

Students must achieve a minimum grade of 70% in the courses in order meet the graduation requirement for the program

### Program Duration

Course consists of 350 instructional hours over a period of 18 Weeks



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**Homework Hours**

Home work hours are set at an estimate of between 50 – 75 hours over 18-week period. This is not a part of the instructional hours.

**Delivery Method(s)**

*Combined delivery (both in-class and distance)*

**Required course materials**

The following text book List is required for this program:

- **National Plumbing Code of Canada 2020** – Canadian Commission on Building and Fire Codes – National Research Council of Canada - ISBN 978-0-660-37916-6
- **Red Seal Study Guide/Year Four Plumbing** – Unity Crest Solutions Inc

**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



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## Program Outline

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