



CAMBRIDGE COLLEGE

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BC Care Aide &
Community Health
Worker Registry



StudentAidBC

Program Title

Red Seal Construction Electrician Exam Preparation Course

Brief Program Description

This online program prepares aspiring construction electricians for the Red Seal certification exam. It covers the National Occupational Analysis (NOA) for electricians, focusing on critical trade knowledge, practical skills, safety protocols, and exam strategies. Students will gain a thorough understanding of Canadian electrical standards and industry practices, building the competence and confidence needed for the Red Seal exam.

Career Occupation

Skilled Trade: Construction Electrician

Admission Requirements

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

Learning Objectives

Upon completing this online program, students will be able to:

- Understand the structure and requirements of the Red Seal exam for construction electricians.
- Master essential electrical concepts and trade-specific skills.
- Apply effective exam strategies, including time management and multiple-choice techniques.
- Interpret and utilize the National Occupational Analysis (NOA) for construction electricians.
- Demonstrate confidence in meeting Canadian electrical standards and industry expectations.

Method(s) of Evaluation

- **Participation / Attendance (10%):** Engagement in live classes and discussion forums ensures that students interact with instructors and peers, contributing to a deep understanding of course material.
- **Quizzes (20%):** Regular quizzes assess understanding of core electrical principles and trade knowledge, allowing students to identify and review key areas.
- **Project Assignments (20%):** Practical assignments allow students to apply their knowledge to real-world electrical scenarios, focusing on problem-solving and adherence to trade standards.
- **Practice Exams (30%):** These timed exams simulate the Red Seal test environment, helping students practice question handling and familiarity with the exam format.
- **Final Exam (20%):** This comprehensive exam assesses cumulative knowledge, ensuring readiness for the Red Seal exam.



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Completion Requirements

A minimum grade of 70% is required for graduation.

Program Duration

- **Total Duration:** 350 instructional hours, delivered over 36 weeks.
- **Homework Hours:** Estimated 50–75 hours for assignments, projects, and practice exams to reinforce learning.

Delivery Method(s)

- **Online Learning:** A blend of live virtual classes, interactive modules, and self-paced study materials.

Required Course Materials

1. **National Occupational Analysis (NOA) for Construction Electricians:** This essential guide outlines trade knowledge and skills required for the Red Seal exam.
2. **Canadian Electrical Code (CEC):** Essential for understanding Canadian standards in electrical work, installation, maintenance, and safety protocols.
3. **Red Seal Practice Exams for Construction Electricians:** Exam-style questions help students become familiar with the exam format and challenge level.
4. **Canadian Electrical Textbook:** A detailed resource for understanding electrical theory and practice relevant to both practical and theoretical exam components.

Program Organization

Module	Topic	Instructional Hours
C1	Canadian Trade Safety Awareness	20 hours
C2	Canadian Essential Skills & NOC Review	20 hours
C3	Blueprint Reading, Tools, and Electrical Code Review	60 hours
C4	Identification and Understanding of Key Electrical Systems	40 hours
C5	Wiring Systems, Circuits, and Controls	40 hours
C6	Electrical System Design and Troubleshooting	50 hours
C7	Comprehensive Trade-Specific Exam Review	120 hours

Total Hours: 350 instructional hours