**HERITAGE COMMUNITY COLLEGE**
VESTRI POSTERUS SATUS HIC

Red Seal Exam Preparation- Electrician (Industrial)

| | |
|---|---|
| **Brief Program Description** | This course is designed to help industrial electricians and apprentices prepare for the Red Seal certification exam. It provides a structured approach to mastering the knowledge, skills, and strategies required to achieve Red Seal certification, a respected credential that recognizes excellence in the electrical trade. |
| **Career Occupation\*** <br> **(if applicable)** | Skilled Trades in the following occupations <br> • Industrial Electrician |
| **Admission Requirements\*** | • Minimum age of 19 years old <br> • High School Diploma or Certificate of Completion <br> • IELTS minimum score of 5.5 (International Students) or College English Assessment test with min. 60% <br> • Academic transcripts submitted in English <br> • Minimum 3-5 years full time experience in the Trade |
| **Learning Objectives\*** | **Upon completion of this program the successful student will have reliably demonstrated the ability to:** <br><br> • Have a comprehensive understanding of the Red Seal Electrician (Industrial) exam format and expectations. <br> • Recognize and understand key concepts, trade-specific knowledge, and skills required for the exam. <br> • Enhance their knowledge of electrical systems, installation techniques, and maintenance practices. <br> • Confidently apply the Canadian Electrical Code and other relevant standards. <br> • Develop a mastery of implementing exam strategies, including time management and handling multiple-choice questions. <br> • An ability to understand the National Occupational Analysis (NOA) for their specific trade <br> • Gain greater confidence in exam taking skills <br> • Develop ways to manage their time. <br> • Understand their skill level in their Trade and how it measure up to employer expectations |
| **Method(s) of Evaluation\*** | Methods of evaluation will consist of the following: |

Program Title*

Participation / Attendance – 10%
Quizzes – 20%
Project Assignments – 30%
Practice Exams & Final Exam – 40%

**Completion Requirements\*** Students must achieve a minimum grade of 70% in the class in order meet the graduation requirement for the program

**Program Duration** Course consists of 350 instructional hours over a period of 18 Weeks

**Homework Hours** Home work hours are set at an estimate of between 50 – 75 hours over 18 weeks period

**Delivery Method(s)**

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

**Required course materials** The following text book List is required for this program:

- *Canadian Electrical Code Part 1, Safety Standard for Electrical Installations CSA Standard C22.1-06*, Canadian Standards Association, Mississauga, Ontario 2006, ISBN 1-55436-023-4
- *"Objective Based Industrial Electrical Code Overview"* (PDF). Canadian Standards Organization. 19 July 2008. Archived from the original (PDF) on 27 July 2011. Retrieved 29 September 2022.
- Red Seal Study Guide/Year Four Electrician – Unity Crest Solutions Inc.

**Program Organization\***

| Module | Topic | Instructional Hours |
|--------|-------|---------------------|
| C1 | Canadian Trade Safety Awareness | 20 Hours |
| C2 | Canadian Essential Skills and NOC Classification system review | 20 Hours |
| C3 | Review of sketches and drawings, Tools and Canadian Codes | 60 Hours |
| C4 | Selection and Identification of key Block areas for study | 20 Hours |
| C5 | Review and study of Key Block areas Instruction for the exam | 30 Hours |
| C6 | Specific Trade exam review | 200 Hours |
| C6 | **Total Instructional Hours** | 350 Hours |