



Brief Program Description

This course is designed to support millwrights and apprentices in preparing for the Red Seal certification exam. It provides an in-depth review of essential trade knowledge, practical problem-solving techniques, and simulated exams to build the skills and confidence necessary to achieve Red Seal endorsement, a mark of distinction in the trades.

Career Occupation* (if applicable)

- Skilled Trades in the following occupations
- Millwright

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 min. 60%
- Academic transcripts submitted in English
- 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:

- Have a comprehensive understanding of the Red Seal Millwright exam format and expectations.
- Recognize and understand key concepts, trade-specific knowledge, and skills required for the exam.
- Strengthen their knowledge of core millwright trade concepts and applications.
- Master blueprint reading and precision measurement techniques.
- Develop a mastery of implementing exam strategies, including time management and handling multiple-choice questions.
- An ability to understand the National Occupational Analysis (NOA) for their specific trade
- Gain greater confidence in exam taking skills
- Develop ways to manage their time.
- 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:

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 to 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 a 18 week period

Delivery Method(s) *Combined delivery (both in-class and distance)*

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

- Industrial Mechanics (Millwrights) Exam Book - Red Seal Millwright Exam Book - [Mirvoxid Press](#) - ISBN-13979-8321892008
- Red Seal Study Guide/Year Four Millwright – Unity Crest Solutions Inc.

Program Organization*

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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

Total Instructional Hours **350 Hours**