



COURSE OUTLINE: EXA100 - EXAM PREP - ELECTRIC

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Approved: Martha Irwin - Dean

Course Code: Title	EXA100: EXAM PREP - ELECTRICAL
Program Number: Name	6522: CONST & MTCE ELE ADV 6542: IND.ELECT. - ADVCD.
Department:	ELEC. APPRENTICES
Academic Year:	2025-2026
Course Description:	This course is designed to assist Construction & Maintenance and Industrial Electrical apprentices who have completed their apprenticeship training to prepare to write their Red Seal trade exam. The National Occupational Analysis (NOA) and Red Seal Occupational Standard (RSOS) for each trade will be reviewed and participants will be given the opportunity to document their strengths and weaknesses with regard to their work experience in each of the required areas. The structure of the Red Seal exams and how they relate to the applicable NOA/RSOS will be discussed. Resources that can assist in exam preparation will be identified and test preparation and writing strategies will be presented. Some exam questions in multiple choice format will be provided as study material and an opportunity to practice writing multiple choice exams.
Total Credits:	3
Hours/Week:	30
Total Hours:	30
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course:	6522 - CONST & MTCE ELE ADV VLO 1 Const and Maint Electrician
Please refer to program web page for a complete listing of program outcomes where applicable.	6542 - IND.ELECT. - ADVCD. VLO 1 Industrial Electrician - Adv
Essential Employability Skills (EES) addressed in this course:	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.



- EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
- EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
- EES 10 Manage the use of time and other resources to complete projects.
- EES 11 Take responsibility for ones own actions, decisions, and consequences.

Course Evaluation:

Satisfactory/Unsatisfactory
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A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
1. Analyze their preparedness to write the Red Seal Examination for Construction Electrician and/or Industrial Electrician Certificate of Qualification	<p>1.1 Describe what a National Occupational Analysis (NOA) and Red Seal Occupational Standard (RSOS) for a given trade is and how it relates to the corresponding Red Seal exam.</p> <p>1.2 Describe the relationship between the NOA/RSOS, provincial Training Standard and provincial Curriculum Standard for Construction/Industrial Electrician in Ontario.</p> <p>1.3 Describe the weighting of each area in the NOA/RSOS (number or percentage of total questions) in the corresponding Red Seal exam.</p> <p>1.4 Analyze/list any areas in the appropriate NOA/RSOS they have not worked in to the extent they would be able to demonstrate competency and determine the importance of any deficiencies in writing the Red Seal exam.</p> <p>1.5 Describe how to prepare for and write a 4 hour multiple choice Red Seal exam.</p>
Course Outcome 2	Learning Objectives for Course Outcome 2
2. Prepare a portfolio of resources to assist in studying to write the Red Seal Examination for Construction Electrician and/or Industrial Electrician Certificate of Qualification	<p>2.1 Identify text books (and their availability) that will assist in studying or can be used as references.</p> <p>2.2 Prepare a list of web sites with reference materials and sample exam questions. Download and organize files whenever possible.</p> <p>2.3 Prepare a list of available software tools available commercially to aid in studying for Construction/Industrial Electrician Red Seal exams.</p> <p>2.4 Write practice tests (provided during this course) and evaluate weak areas. Organize tests and solutions for future studying.</p> <p>2.5 Write a simulated certificate of qualification practice exam under realistic test conditions and time constraints.</p>



2.6 Network with other apprentices preparing to write the same exam and pool/share resources.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Written tests	100%

Date: August 1, 2025

Addendum: Please refer to the course outline addendum on the Learning Management System for further information.

