CAMBRIDGE COLLEGE

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Program Title

Red Seal Automotive Service Technician Exam Preparation Course

Brief Program Description

The Red Seal Automotive Service Technician Exam Preparation Course is an online program designed to prepare automotive technicians for the Red Seal certification exam. This course covers the National Occupational Analysis (NOA) for automotive service technicians, focusing on key mechanical and electrical systems, diagnostic skills, safety standards, and exam strategies. Through interactive modules and practical assignments, students gain the skills and knowledge needed to meet Canadian industry standards and succeed on the Red Seal exam.

Career Occupation

Skilled Trade: Automotive Service Technician

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 completion of this online program, students will be able to:

- Understand the structure and requirements of the Red Seal exam for automotive service technicians.

- Master essential automotive repair and maintenance skills, including diagnostics and troubleshooting.

- Apply effective exam strategies, including time management and practical problem-solving.

- Interpret and utilize the National Occupational Analysis (NOA) for automotive service technicians.

- Demonstrate confidence in trade skills aligned with Canadian automotive standards.

Method(s) of Evaluation

- **Participation / Attendance (10%)**: Engaging in live classes and discussion forums is essential for hands-on learning and peer collaboration.

- **Quizzes (20%)**: Regular quizzes assess understanding of automotive systems, safety protocols, and diagnostics, allowing students to monitor progress.

- **Project Assignments (20%)**: Practical assignments simulate real-world automotive scenarios, emphasizing problem-solving and adherence to trade standards.

- **Practice Exams (30%)**: These timed exams simulate the Red Seal test, helping students practice exam strategies and become familiar with question types.

- **Final Exam (20%)**: The comprehensive final exam evaluates the cumulative knowledge and skills acquired throughout the course, ensuring exam readiness.

Completion Requirements

A minimum grade of 70% is required for successful course completion.

Program Duration

- **Total Duration**: 350 instructional hours, delivered over 36 weeks.

- **Homework Hours**: Estimated between 50–75 hours for assignments, projects, and practice exams.

Delivery Method(s)

- **Online Learning**: Delivered through live virtual classes, interactive online modules, and self-paced study materials.

Required Course Materials

1. **National Occupational Analysis (NOA) for Automotive Service Technicians**: A comprehensive guide on skills and knowledge required for the Red Seal exam.

2. **Canadian Vehicle Standards and Safety Regulations**: Provides essential guidelines on vehicle safety and compliance standards in Canada.

3. **Red Seal Practice Exams for Automotive Technicians**: Exam-style questions help students become familiar with the structure and rigor of the Red Seal certification exam.

4. **Automotive Systems and Diagnostics Textbook**: A detailed resource on automotive theory, diagnostics, and repair techniques, critical for both theoretical and practical exam preparation.

Program Organization

Module	Topic	Instructional Hours
C1	Canadian Safety Standards and Compliance	20 hours
C2	Canadian Essential Skills & NOC Review	20 hours
C3	Engine Systems: Diagnostics, Repair, and Maintenance	60 hours
C4	Electrical and Electronic Systems	40 hours
C5	Brake Systems, Steering, and Suspension	40 hours
C6	Powertrain, Transmission, and Drivetrain Systems	50 hours

Module	Topic	Instructional Hours
C7	Comprehensive Trade-Specific Exam Review	120 hours

Total Hours: 350 instructional hours