



TRUCK TRAILER SERVICE TECHNICIAN CERTIFICATE COURSE

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Program Length: 158 Hours
Mode of Learning: Online
Students: Domestic / International
Credential: Certificate
NOC



TRUCK TRAILER SERVICE TECHNICIAN

CERTIFICATE COURSE

Program Overview

The *Truck Trailer Service Technician Certification Program* is a modular, Red Seal-aligned training course designed to provide students with the mechanical knowledge, practical skills, and diagnostic expertise necessary to inspect, service, and repair commercial truck trailers of all types. From flatbeds and refrigerated trailers to tankers and specialized haulers, this trade plays a vital role in keeping Canada's freight and logistics industry moving.

As long-haul transportation remains the backbone of Canada's supply chain, there is a growing demand for qualified trailer technicians who can ensure the safety, performance, and regulatory compliance of these vehicles. This program delivers comprehensive training that spans everything from preventative maintenance, tire and brake systems, and electrical diagnostics, to more advanced areas such as refrigeration units, hydraulic systems, welding, and industry regulations.

By completing this program, students will be well-prepared to challenge the Red Seal Certification exam in the Truck Trailer Service Technician trade. This nationally recognized credential not only validates their skills but also provides enhanced employment opportunities, higher earning potential, and the ability to work across provinces as certified tradespeople in one of Canada's most essential industries.

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Modules:

Module 1: Introduction and Preventative Maintenance (39.5 hours)

- Trailer types and components overview
- Pre-trip inspections and maintenance basics
- Tire and wheel servicing
- Safe working practices and use of PPE

Module 2: Systems Maintenance and Diagnostics (39.5 hours)

- Air brake system servicing and troubleshooting
- Suspension and electrical systems maintenance
- Coupling and uncoupling procedures
- Diagnostic tools and interpreting codes

Module 3: Specialized Repairs and Compliance (39.5 hours)

- Refrigeration unit operations and repairs
- Hydraulic system maintenance and safety
- MIG and TIG welding, custom fabrication
- Understanding and meeting regulatory requirements

Module 4: Mastery and Leadership in the Trade (39.5 hours)

- Specialized trailer service techniques (e.g., tankers, car carriers)
- Supervision, mentoring, and facility management
- Industry best practices and continuous education
- Preparing for Red Seal Certification

Admission Requirements

- Ontario Secondary School Diploma (OSSD) or equivalent
- Minimum age: 18 years
- Language proficiency (CLB Level 6 or IELTS 5.5 overall or equivalent)
- Mechanical aptitude and interest in heavy vehicle service
- Prior experience in auto or truck maintenance (recommended but not required)



3465 Semenyk Ct. Mississauga, ON L5C 4P9
(905)-412-3007 | www.futurescollege.ca

Futures Canadian College of Business, Health, and Technology formerly Futures Academy of Health was founded in 2009 in Toronto, Ontario. Approved and accepted in November 2018 by the International Student Program, Futures Canadian College is now a Designated Learning Institution.

At FCC, we strive to provide the world-class education every student deserves. With well-crafted lesson plans, that are both informative and practical, we ensure that you learn all you need to know to jumpstart your career. Our co-op programs are relevant and supportive of your desire to land that dream job!

We are committed to providing you with a learning environment that is well-equipped to motivate you to pursue your studies and ultimately, achieve your long-term goals.