

Title: Electric Vehicle Mechanics

Code: 4746

Credits: 43

Duration: 645 hours

Training sector: Motorized Equipment Maintenance (10)

Certification of studies: Skills Training Certificate (STC) (awarded exclusively by the school service centres or the school boards)

Authorized in: 2019

Mandated school service centre or school board: de Montréal

Participating school service centres or school boards: de la Région-de-Sherbrooke, de l'Or-et-des-Bois, de la Rivière-du-Nord

Occupation: Electric Vehicle Mechanic

Program of study objectives: The main duties of electric vehicle mechanics, whether they work on electric or hybrid vehicles, is to maintain and repair the electrical and electromechanical systems of these vehicles.

Conditions of admission:

To be eligible for admission to the *Electric Vehicle Mechanics* program, candidates must meet one of the following requirements:

- 1 Have obtained a Diploma of Vocational Studies (DVS) or its equivalent in *Automobile Mechanics*;
- or Practise an occupation related to this program of study;
- or Have been granted recognition of equivalent learning.

PROGRAM OF STUDY CONTENT

STC Code	Statement of the Competency	Hours
STC 746-011	Determine their suitability for the trade and training process	15
STC 746-021	Prevent health, safety and environmental hazards	15
STC 746-033	Research technical information	45
STC 746-044	Inspect electrical circuits	60
STC 746-053	Inspect computerized system circuits	45
STC 746-066	Repair network communication systems	90
STC 746-074	Repair powertrain systems	60
STC 746-083	Repair regenerative braking systems	45
STC 746-095	Repair high-voltage and charging systems	75
STC 746-103	Repair thermal management systems	45
STC 746-114	Repair control systems	60
STC 746-126	Resolve problems related to the interconnectedness of systems	90

Documentation available upon request

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| <input checked="" type="checkbox"/> Work Situation or Profession Analysis Report (Rapport de l'AST ou de l'AP) | <input checked="" type="checkbox"/> Program of Study (Programme d'études) | <input type="checkbox"/> RAC Tools (Instrumentation RAC) |
| <input checked="" type="checkbox"/> Proposed Training Plan (Projet de formation) | <input checked="" type="checkbox"/> Organizational Guide (Guide d'organisation) | |
| <input type="checkbox"/> Harmonization Table (Tableau d'harmonisation) | <input checked="" type="checkbox"/> Evaluation Framework (Cadre d'évaluation) | |

Updated 2021



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