

Title: Electric and Hybrid Heavy Vehicles Mechanics

Code: 4774

Credits: 40

Duration: 600 hours

Training sector: Motorized Equipment Maintenance (10)

Certification of studies: Skills Training Certificate (STC) (awarded exclusively by recognized educational institutions)

Authorized in: 2024

Mandated school service centres or school boards: des Chênes

Participating school service centres or school boards: de l'Énergie, de Montréal, de la Région-de-Sherbrooke, des Trois-Lacs, de la Rivière-du-Nord, de Kamouraska–Rivière-du-Loup

Occupation: Electric and hybrid heavy vehicles mechanics

Program of study objectives: Electric and hybrid heavy vehicle mechanics work in many different types of businesses, including component manufacturers (engines, transmissions, etc.), new and used heavy vehicle dealers and merchants, heavy vehicle rental services, independent aftermarket machine shops, road and passenger transport companies (school buses and coaches), as well as businesses operating heavy vehicle maintenance and repair shops.

Conditions of admission:

To be eligible for admission to the *Electric and Hybrid Heavy Vehicles Mechanics* program leading to an STC, candidates must meet one of the following requirements:

- 1 Have obtained a Diploma of Vocational Studies (DVS) or its equivalent in *Heavy Vehicle Mechanics*
- or
- 2 Practise an occupation or a trade related to this program of study
- or
- 3 Have been granted recognition of equivalent learning

PROGRAM OF STUDY CONTENT

AEP Code	Statement of the Competency	Hours
AEP 774-011	Determine their suitability for the trade and training process.	15
AEP 774-022	Avoid health, safety and environmental hazards.	30
AEP 774-036	Inspect electrical systems.	90
AEP 774-045	Ensure that network communication systems operate correctly.	75
AEP 774-056	Ensure that high-voltage systems operate correctly.	90
AEP 774-066	Ensure that thermal management systems operate correctly.	90
AEP 774-076	Ensure that motorized and regenerative braking systems operate correctly.	90
AEP 774-084	Ensure that high-voltage accessories operate correctly.	60
AEP 774-094	Enter the workforce.	60

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 checked="" type="checkbox"/> Harmonization Table
(Tableau d'harmonisation) | <input checked="" type="checkbox"/> Evaluation Framework
(Cadre d'évaluation) | |

2024