

Electric and Hybrid Construction Equipment Mechanics

Code: 4771

Credits: 40

Duration: 600 hours

Training sector: Motorized Equipment Maintenance (10)

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

Authorized in: 2023

Mandated school service centre or school board: de la Baie-James

Participating school service centres or school boards: du Lac-Abitibi, des Navigateurs, de l'Énergie, des Hautes-Laurentides, de Montréal, du Pays-des-Bleuets

Occupation: Electric and hybrid construction equipment mechanics

Program of study objectives: Electric and hybrid construction equipment mechanics install, modify, replace, refurbish, assemble and disassemble, and build, dismantle and handle hybrid and electric construction machinery and related equipment.

Conditions of admission:

To be eligible for admission to the *Electric and Hybrid Construction Equipment 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 *Construction Equipment Mechanics*
- or** Practise an occupation or a trade related to this program of study
- or** Have been granted recognition of equivalent learning.

This program is accessible via the [TCST-STC bridge](#).

PROGRAM OF STUDY CONTENT

AEP Code	Statement of the Competency	Hours
AEP 771-011	Determine their suitability for the trade and training process.	15
AEP 771-022	Avoid health, safety and environmental hazards.	30
AEP 771-035	Inspect DC and AC circuits.	75
AEP 771-045	Inspect components to ensure network interconnectivity.	75
AEP 771-055	Ensure that low-voltage electrical and electronic control systems operate correctly.	75
AEP 771-066	Ensure that charging, main power and thermal management systems operate correctly.	90
AEP 771-076	Ensure that motorized high-voltage electrical systems operate correctly.	90
AEP 771-084	Ensure that network communication systems work properly.	60
AEP 771-096	Enter the workforce.	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 checked="" type="checkbox"/> Harmonization Table
(Tableau d'harmonisation) | <input checked="" type="checkbox"/> Evaluation Framework
(Cadre d'évaluation) | |

2023