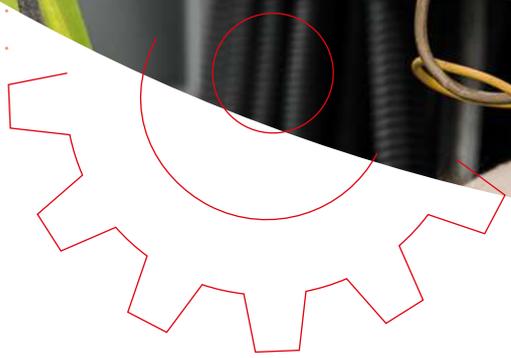




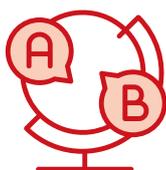
DEP 5795

ELECTRICITY

Électricité



Program Intake
January | May | September



Language of instruction
French or English



Location of the program
Québec City

This program of study aims to train students in installation, repair, modifying and maintaining circuits, electrical and electronic systems, and communication networks on manufacturing, institutional and industrial construction machinery.



PERSPECTIVE JOB TITLE

- Electricians (except industrial and power system)
- Power system electricians

ADMISSION CONDITIONS

- First or second class with minimum 50% in core subjects in 10+2 or 50% in core subjects of the technical diploma course in the relevant field
- SDS-Countries: IELTS 6.0 (nothing less than 5.0 band in any individual 2 modules)
- Non-SDS Countries: IELTS 5.5 (nothing less than 5.0 band in any 2 individual modules) or equivalent language proficiency (TOEFL, CAE, DUOLINGO)
- SDS-Countries: Grade 12 (India) or Grade 12 or Bachelors (other regions)
- Non-SDS Countries: Grade 12 or Bachelors or Equivalent



PROGRAM CONTENT

- Protect health, safety and physical integrity on construction sites
- Determine their suitability for the trade and the training process
- Use a computer
- Verify the voltage, current and power of electrical circuits
- Draw an installation sketch and a circuit diagram
- Use tools
- Work at heights and handle materials
- Install electrical conduits and cables
- Install residential branch circuits and associated protective devices
- Interpret drawings, specifications, technical manuals and maintenance procedures
- Install and maintain three-phase transformers
- Install and maintain a service entrance and emergency power supply
- Verify that electronic circuits are working properly
- Verify the relay and integrated circuit logic of electrical and electronic circuits
- Install and maintain a lighting system
- Install and maintain a heating system
- Install copper and fibre optic communications cables
- Install a fire alarm system
- Install home automation and residential telephone systems
- Install and maintain DC and single-phase AC rotating machines and associated controls
- Install and maintain a three-phase AC rotating machine and associated controls
- Install and maintain a programmable controller for building electrical systems
- Install and maintain electronic instrumentation for building electrical systems
- Prepare for the job market



*SDS Countries: Philippines, China, India, Pakistan, Morocco, Senegal, Vietnam.

**Non-SDS Countries / Visa application under General Category in a SDS Country: Middle East, North Africa (Morocco incl.), Sub Sahara Africa (Senegal incl.), LatAm / Br, South East Asia (Vietnam and Philippines incl.), CIS.

PROGRAM

Electricity

SANCTION

Diploma of Professional Studies (DEP 5295)

DURATION

2 Years / 4 Semesters

