

ELECTRICAL PLANNING ENGINEER, FEDERAL VET DIPLOMA

With attention to detail and a passion for logic, you create the theoretical basis for electrical systems.

Training duration	4 years with Federal VET Diploma
Specialisations	None
Training locations	<ul style="list-style-type: none"> – In the office – At customers' premises – On construction projects
College days	<ul style="list-style-type: none"> – 2 days per week at vocational college – 4 vocational courses
VET college (BMS) possible	Yes



Requirements

- Interest in technology
- Visual thinking
- Upper secondary school high level
- Enjoy being out and about
- Good colour perception
- Enjoy customer contact and teamwork



Job

Electrical planners implement electrical installation projects in residential, industrial and commercial buildings. They produce plans for complex installations such as power grids, communication systems and security systems such as lightning arresters, fire detectors and alarms.

As well as performing the following tasks:

- Determining installation requirements
- Producing plans for various systems (e.g. for lighting, telecommunications)
- Obtaining quotes from suppliers and negotiating prices
- Monitoring construction progress and installation of the systems
- Conducting tests and commissioning systems
- Explaining how the systems work and are operated



Further training and careers

Further training

- Additional apprenticeship as an Electrician, Federal VET Diploma, or Building IT Specialist, Federal VET Diploma
- Federal Professional Examination (e.g. Electrical Project Manager – Planning – with Federal Diploma of Higher Education)
- Advanced Federal Professional Examination (e.g. Qualified Electrical Planning Expert)
- Professional Educational Institution (e.g. Qualified Technician, PEI, in Electrical Engineering with a specialisation in Energy Technology)

Careers

- Team/project/department manager
- Construction site manager
- Electrical – Telecommunications – Building Automation Planning
- Sales – Consulting – Support
- Entrepreneur

