

# Professional Diploma in Power Engineering [EG424410P] (Power Systems Stream)

Programme under Vplus Subsidy Scheme



**Duration: 296 hours**  
**(Can be completed within 15 - 18 months)**

## Programme Description

This programme is offered jointly with CLP Power Academy. On completion of the programme, graduates will be awarded "Professional Diploma in Power Engineering" (at QF Level 4 by VTC). The programme aims at providing the practitioners specific vocational and professional education & training in some key areas of Power Engineering including specific safe system of works, design, installation, testing and commissioning, operation and maintenance of the high-voltage equipment in the power system.

## Programme Recognition

- The programme is accredited by Electrical and Mechanical Services Department as one of the approved training programmes serving the high-voltage engineering industry.
- Learners may register as Grade H Registered Electrical Worker (REW) if he/she has already held a Grade B or Grade C REW certificate at the time when he/she has completed the PD programme.
- Graduates are also eligible to register as **Competent Person** under **CLP Power Safety Rules**.
- Outstanding graduates will have the opportunity to be hired by local utilities in the industry including CLP Power.

## Course Fee

HK\$44,000

Enquiries

T: 2435 9423

W: <https://edit.vtc.edu.hk>



IVE Engineering Discipline  
In-service Training



## Programme Outline

Core Modules:

- Safe Operation and Maintenance of High Voltage Installations\*
- Design of High Voltage Power Supply Systems\*
- Practices of Inspection, Testing and Commissioning on High Voltage Switchboard and its Ancillary Equipment\*

**Elective Modules Power Systems Stream:**

- Power System Protection and Control System
- Power System Cables
- Power System Overhead Lines
- Power System Plant Equipment
- Power System Planning & Design

\*After having completed these three modules, learners could apply for an intermediate award, Professional Certificate (PC) in High Voltage Engineering.

## Entry Requirements

- Five HKCEE subjects at Grade E/Level 2 or above, including English and Chinese Languages, or equivalent with two years' relevant work experience; or
- Hold a QF Level 3 qualification or equivalent with breadth comparable to the HKDSE or HKCEE levels with two years' relevant work experience; or
- Mature applicants, i.e. those aged 21 or above with at least two years' relevant work experience, can be admitted. Where appropriate, the applicant may be required to pass in an entrance assessment or to complete relevant course(s) that is/are deemed acceptable to the respective Programme Board.

Preference will be given to those applicants who are qualified to hold a Grade B or Grade C certificate under Cap. 406D Electricity (Registration) Regulations.

Note: Relevant apprenticeship is counted as relevant work experience. Only shortlisted applicants will be invited to attend a selection interview.

## Related Study

Students/graduates of this Programme can apply for the Training Course for High Voltage Electrical Workers and acquire the Special Operation Certificate (特種作業操作證(高壓電工)) from Mainland China.

# Professional Diploma in Power Engineering [EG424410P] (Power Plants Stream)

Programme under Vplus Subsidy Scheme



**Duration: 296 hours**  
**(Can be completed within 15 - 18 months)**

## Programme Description

This programme is offered jointly with CLP Power Academy. On completion of the programme, graduates will be awarded "Professional Diploma in Power Engineering" (at QF Level 4 by VTC). The programme aims at providing the practitioners specific vocational and professional education & training in some key areas of Power Engineering including specific safe system of works, design, installation, testing and commissioning, operation and maintenance of the high-voltage equipment in the power system.

## Programme Recognition

- The programme is accredited by Electrical and Mechanical Services Department as one of the approved training programmes serving the high-voltage engineering industry.
- Learners may register as Grade H Registered Electrical Worker (REW) if he/she has already held a Grade B or Grade C REW certificate at the time when he/she has completed the PD programme.
- Graduates are also eligible to register as **Competent Person** under **CLP Power Safety Rules**.
- Outstanding graduates will have the opportunity to be hired by local utilities in the industry including CLP Power.

## Programme Outline

Core Modules:

- Safe Operation and Maintenance of High Voltage Installations\*
- Design of High Voltage Power Supply Systems\*
- Practices of Inspection, Testing and Commissioning on High Voltage Switchboard and its Ancillary Equipment\*

Elective Modules Power Plants Stream:

- Control and Automation
- Electrical Rotating Machines
- Materials and Chemistry
- Mechanical Equipment
- Electrical Systems

\*After having completed these three modules, learners could apply for an intermediate award, Professional Certificate (PC) in High Voltage Engineering.

## Entry Requirements

- Five HKCEE subjects at Grade E/Level 2 or above, including English and Chinese Languages, or equivalent with two years' relevant work experience; or
- Hold a QF Level 3 qualification or equivalent with breadth comparable to the HKDSE or HKCEE levels with two years' relevant work experience; or
- Mature applicants, i.e. those aged 21 or above with at least two years' relevant work experience, can be admitted. Where appropriate, the applicant may be required to pass in an entrance assessment or to complete relevant course(s) that is/are deemed acceptable to the respective Programme Board.

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Dec 2023