

Electrical/Electronic Engineering Course

BTEC Level 3 Extended Diploma in Electrical/Electronic Engineering

Ref. No: EE-16-F-01

- **School starts on: 12/3/2019
OR 18/6/2019**
- Classes per week : 3 nights (every Tue, Thur And Friday)
- Location: PLK Vicwood K T Chong 6th Form
- College
- Duration: 6:45 – 9:45pm

After completing this course, it meets the requirements of the License B qualification of the electrician. it is based on homework.

Recognition

- This course has been approved by the Electrical and Mechanical Services Department of the Hong Kong Special Administrative Region Government to meet the academic requirements of the registered electrical "A" and "B" licences.
- The Building Services Operations and Maintenance Executives Association (BSOMES) organizes the organization to support this course.

Aims of this course

- work-based course ◦
- Teaching students about electrical expertise and skills such as electrical energy applications and installation of electrical installations; maintenance and inspection.
- Teaching students how to apply knowledge directly to the construction site regarding power engineering and power systems.
- During the course of the course, students will be able to directly experience the benefits of increased professional knowledge in terms of performance.

Who should take this course?

- In-service A-brand holders or other electricians intend to apply for the Electrical and Mechanical Services Department Electrician A or B through the course qualifications ◦
- In-service electrical professionals who wish to progress to a science or business degree at a local or overseas university.
- High school graduates who want to acquire the formal basic qualifications required to work in the motor industry.
- People who want to get a local and internationally recognized and practical diploma.

Academic recognition

Local recognition: BTEC courses are widely recognized by local institutions, including the University of Hong Kong, the Chinese University of Hong Kong, the Hong Kong University of Science and Technology, the Hong Kong Baptist University, the Hong Kong Polytechnic University, the City University of Hong Kong, Lingnan University and the Open University of Hong Kong. (Except for selecting Chinese answer)

International recognition: Accredited by more than 200 overseas universities and accredited by the University of the United Kingdom (UCAS).

Graduates of this program can progress to the first year of all engineering-related and business degree courses at a local or overseas university. (Except for selecting Chinese answer)

Career Planning:

Graduates can generally serve as assistant engineers, technicians, foremen, and technical sales engineers. The scope of work includes electrical installations, electrical engineering, power supply systems, electromechanical operation and maintenance, traction power equipment, electrical and electronic maintenance, intelligent systems, energy auditing and management.

Basic information:

- Duration : 1.5 year to 2 year (3 semesters in total , 180 credits)
- School starts on: 12/3/2019
- Classes per week : 3 nights (Every Tue, Thurs and Friday)
- Location : PLK Vicwood K T Chong 6th Form College, No.12 Willow Street, Kowloon
- Time: 6:45 – 9:45pm
- Language : Chi/Eng ; Homework ⁽¹⁾ Chi/Eng
Part-time
- Course fee : HK\$14,000⁽²⁾ for each semester (3 semesters in total)
- Pearson BTEC registration charge: 每人每証 HK\$2,800⁽⁴⁾⁽⁵⁾
- Documents required for application : -
 - i. Academic Certificate(s) ,
 - ii. Reference letter (if any), and
 - iii. CV (if any).
- Contact person : Christine Mak
- Tel. No. : 3568 1314
- Whatsapp: 5118 3100
- Email address : cmak@get.com.hk

Note :

- (1) If a student wants to enter a local or overseas university, the homework must be in English.
- (2) Members of the Hong Kong Federation of Electrical and Mechanical Confederations and the Building Services Maintenance and Maintenance Executives Association (BSOMES) enjoy preferential discounts.
- (3) If the student obtains a Merit or better score upon graduation, he or she will be returned.
- (4) will change due to exchange rate.

Entry requirements

- (1) 5 years of graduation or equivalent, with 5 years of relevant work experience; or
- (2) Hold a certificate of mechanics (vocational training course number: 03744C/73761/75787/0361/0363/0387/0381) or equivalent; or
- (3) a certificate of registration of an "A" class electrical engineering officer issued by the Electrical and Mechanical Services Department of Hong Kong; or
- (4) Engaged in relevant industries; and
- (5) Pass the relevant admission interview.

BTEC Level 3 Extended diploma in Electrical/Electronic Engineering Course Content (180 credits)

Term	Unit	Descriptions	Credit
1.1	4	Mathematics for Engineering Technicians Issue 2 工程數學(2)	10
	6	Electrical and Electronic Principles 電氣及電子學原理	10
	16	Engineering Drawing for Technicians 工程繪圖	10
1.2	2	Communications for Engineering Technicians 工程溝通技巧	10
	1	Health and Safety in the Engineering Workplace 職業安全健康	10
	51	Electrical Technology 電學原理	10
2.1	40	Electrical Installation Standards and Components in Building Service 屋宇設備電力裝置的標準及部件	10
	7	Business Operations in Engineering Issue2 工程商業操作(2)	10
	62	Principles and Operation of Three-Phase Systems 三相系統的原理及應用	10
2.2	8	Engineering Design 工程設計	10
	25	Selecting and Using Programmable Logic Controllers 編程器的選擇及使用	10
	61	Features and Applications of Electrical Machines 電動機的功能及應用	10
3.1	3*	Engineering Project 工程項目	10
	41	Electrical Installation Design in Building Services Engineering 屋宇設備電力裝置的設計	10
	63	Three-Phase Motors and Drives 三相電動機及驅動控制器	10
3.2	3*	Engineering Project 工程項目	10
	9	Commercial Aspects of Engineering Organizations 工程界別商業運作	10
	42	Commissioning Electrical Installations in Building Services Engineering 屋宇設備電力裝置的驗收	10

* Unit 3 with total 20 credits is split into two terms.

* 單元 3，總共 20 學分，會分為兩個學期教授。