



香港學術及職業資歷評審局
Hong Kong Council for Accreditation of
Academic & Vocational Qualifications

SUMMARY ACCREDITATION REPORT

Hong Kong Institute of Technology

Learning Programme Re-accreditation

**Certificate in Electrical Engineering
(Elective Cluster of Diploma Yi Jin)**

July 2016

This accreditation report is issued by the Hong Kong Council for Accreditation of Academic and Vocational Qualifications (HKCAAVQ) in its capacity as the Accreditation Authority as provided for under the Accreditation of Academic and Vocational Qualifications Ordinance (Cap 592) (AAVQO). This report outlines the HKCAAVQ's determination, the validity period of the determination as well as any conditions or restrictions on the determination.

1. Introduction

- 1.1 In the academic year 2012/13, the Diploma Yi Jin (DYJ), then known as Yi Jin Diploma, was introduced in replacement of the former Project Yi Jin. DYJ aims to provide an alternate pathway for Secondary Six school leavers as well as adult learners to obtain a formal qualification for the purposes of further study and employment. The Federation for Self-financing Tertiary Education (FSTE) is commissioned by the Education Bureau to develop and administer the programme, and serves as the secretary to the DYJ Programme Management Committee (PMC). The Yi Jin Diploma programme was accredited by HKCAAVQ in August 2013 with a validity period of three years starting from the 2013/14 academic year to be operated by seven member institutions of FSTE.
- 1.2 Following the advice of the Education Bureau to FSTE and its member institutions to award standalone qualifications to DYJ students on successful completion of a SCS-based Elective Cluster/Course, an Elective Course of Hong Kong Institute of Technology (the Operator) was accredited by HKCAAVQ in June 2014 leading to the SCS-based qualification, Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin).
- 1.3 Based on the Service Agreement, HKCAAVQ was commissioned by FSTE, on behalf of the Operator to conduct a Learning Programme Re-accreditation exercise to assess and determine whether the Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin) continues to achieve the stated objectives and meet the Qualifications Framework (QF) standard at QF Level 3.
- 1.4 The accreditation exercise was conducted according to the relevant accreditation guidelines referred to in the Service Agreement and the Terms of Reference stated therein. A site visit took place on 11 April 2016.

2. HKCAAVQ's Accreditation Determination

Having due consideration of the accreditation panel's observations and comments as presented in this Report, HKCAAVQ makes the following accreditation determination:

Approval

Name of Operator(s)	Hong Kong Institute of Technology 香港科技專上書院
Name of Award Granting Body	Hong Kong Institute of Technology 香港科技專上書院
Title of Learning Programme	Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin) 機電工程（毅進文憑選修群組）證書

Title of Qualification(s) (Exit Award(s))	Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin) 機電工程（毅進文憑選修群組）證書
Primary Area of Study and Training	Engineering and Technology
Sub-area (Primary Area of Study and Training)	Electrical, Electronic and Mechanical Engineering and Services
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Industry	Electrical & Mechanical Services
Branch	Electrical Engineering
QF Level	Level 3
QF Credits	45
Mode(s) of Delivery and Programme Length	Full-time and Part-time Full-time: 1 year, 450 notional learning hours (including 180 contact hours) Part-time: 2 years, 450 notional learning hours (including 180 contact hours)
Intermediate Exit Award(s)	Not applicable
Validity Period	4 years 1 September 2016 to 31 August 2020
Number of Enrolment(s)	Not applicable
Maximum Number of New Students	Maximum of 35 learners per class
Specification of Competency Standards Based Programme	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Specification of Generic (Foundation) Competencies-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes to be indicated on the QR	This programme is an Elective Cluster, Electrical Engineering, of the Diploma Yi Jin programme. 此課程為毅進文憑課程的選修科目群組「機電工程」。
Address of Teaching/ Training Venue(s)	See Annex

Requirement	Date of Fulfilment
<p>1. The Operator is to enhance the annual programme review mechanism to ensure teaching materials are regularly reviewed and updated in order to reflect the programme objectives. The Operator should use the Elective Cluster of Electrical Engineering as an example for the implementation of the enhanced review mechanism and submit a programme review report on this Elective Cluster.</p> <p>The Operator is required to submit relevant documents to HKCAAVQ on or before 31 December 2016.</p>	31 December 2016

Recommendations
<ol style="list-style-type: none"> 1. The Operator should develop a more rigorous mechanism for the standardisation of assessments, in particular continuous assessments, across different classes and different cohorts to ensure consistency of learning outcomes. 2. The Operator should strengthen the class observation mechanism such that the performance of teaching staff is regularly monitored to ensure effective programme delivery.

3. Programme Details

The following is the programme information provided by the Operator.

3.1 Programme Objectives

The programme aims at introducing Electrical Engineering to students and raising the interest of students to the industry.

Elective Course (1) “Introduction to Electrical Engineering” provides basic theory and practical knowledge of Electrical Engineering to students. Elective Course (2) “Occupational Safety and Health for Electrical Engineering” raise up the risk sensitivity during practical works and highlights the importance of occupational safety in order to reduce accident. Elective Course (3) “Maths Plus” enhances students’ mathematical ability in order to equip them for further study with Engineering.

3.2 Programme Intended Learning Outcomes

- Demonstrate the comprehension of the basic theory and practices of Electrical Engineering;
- Handle a range of basic tasks in the installation of electrical systems;
- Apply knowledge and skills to carry out tasks common in electrical work in building services installations;
- Apply basic mathematical tools needed in the calculation and evaluation of systems used in electrical installation;
- Understand the occupational health and safety requirements needed in electrical installation work in building services; and
- Evaluate the health and safety issues of the work environment and related work practice when performing tasks in the electrical installation by applying knowledge of occupational safety and health in this field.

3.3 Programme Structure

Elective Course (1): Introduction to Electrical Engineering

Category	Unit of Competency	QF Credit
Basic Theories of Electrical Engineering	EMCUDE101A EMCUDE204A EMELDE206A	
Fundamentals of AC/DC Circuits Theories and Applications	EMELDE302A	
Basic Assessment of Electrical Equipment Design	EMELDE301A	
Application of Electrical Technologies in Buildings	EMELDE309A	
Examination	---	
Total		15

Elective Course (2): Occupational Safety and Health for Electrical & Mechanical Services Industries

Category	Unit of Competency	QF Credit
Knowledge of Safe Use of Electricity	---	
Risk Assessment	EMCUSH205A	
Handling Accidents	EMCUSH208A	
Analysis and Treatment of Accidents Relating to Electrical Circuits and Electrical Machines	EMCUSH305A	
Enhancing Works Quality and Safety	EMCUQM306A	
Examination	---	
Total		15

Elective Course (3): Maths Plus

Category	Unit of Competency	QF Credit
Approximation and Error Estimation	---	
Introduction to Complex Arithmetic	---	
Introduction to Logic	---	
Mathematical Induction	---	
Algebra Calculation and Application	---	
Permutations, Combinations and Probability	---	
Introduction to Statistical Inferences	---	
Space and Shape	---	
Space and Measurement	---	
Assignment, Test and Final examination	---	
Total		

3.4 Graduation Requirements

- An attendance rate of 80% or above in each Elective Course of the Elective Cluster of Electrical Engineering; and
- At least 50% overall marks in each Elective Course of the Elective Cluster of Electrical Engineering.

3.5 Admission Requirements

a. Local students:

- (i) Hong Kong ID card holder; AND
- (ii) Completed Secondary 6 in HK or equivalent to 12 years of progressive study; OR
Aged 21 or above upon commencement of the first semester for mature students without Secondary 6 qualification.

b. Non-local students:

- (i) Whose immigration status permits them to study in HK; AND
- (ii) Fulfil the conditions stated in a(ii) above.

4. Substantial Change

4.1 Maintenance of the HKCAAVQ accreditation status during the validity period is subject to no substantial change being made without prior approval by HKCAAVQ.

5. Qualifications Register

5.1 Qualifications accredited by HKCAAVQ are eligible for entry into the Qualifications Register (QR) at <http://www.hkqr.gov.hk> for recognition under the Qualifications

Framework (QF). Operators should apply separately to have their quality-assured qualifications entered into the QR.

- 5.2 Only learners who are admitted to the named accredited learning programme during the validity period and who have graduated with the named qualification uploaded in the QR will be considered to have acquired a qualification recognised under the QF.

Report No.: 16/74
File Reference: 20/12/05 (b3)

Address of Teaching/ Training Venue(s)

1. **Cheung Sha Wan Campus**
1/F, No. 638, Cheung Sha Wan Road, Cheung Sha Wan, Kowloon
長沙灣分校
九龍長沙灣道 638 號 1 樓
2. **Sheung Wan Campus**
5/F, Well View Commercial Building, 10 Morrison Street, Sheung Wan, Hong Kong
上環分校
香港上環摩利臣街 10 號宏基商業大廈 5 樓
3. **Kwun Tong Campus**
Unit Nos 308-10, 3/F, Prosperity Place, No.6 Shing Yip Street, Kwun Tong,
Kowloon
觀塘分校
九龍觀塘成業街 6 號泓富廣場 3 樓 8-10 室
4. **Tin Shui Wai Campus**
A118-119, G/F, Kingswood Richly Plaza, 1 Tin Wu Road, Tin Shui Wai, New
Territories
天水圍分校
新界天水圍天湖路 1 號樂湖居嘉湖新北江商場地下 A118-119 號舖
5. **Tsuen Wan Campus**
Shop Nos. UG17-UG20, UG/F, Waterside Plaza, 38 Wing Shun Street, Tsuen
Wan, New Territories
荃灣分校
荃灣永順街 38 號海灣花園購物商場地下高層 UG17-UG20 號舖
6. **Tuen Mun Campus**
Shop G, G/F, Florence Mansion, No.6, Tsing Ling Path, Tuen Mun, New Territories
屯門分校
屯門青菱徑 6 號富麗大廈地下 G 號舖
7. **Shatin Campus**
Shop 605, 6/F, Jubilee Square, 2-18 Lok King Street, Sha Tin, New Territories
沙田分校
沙田火炭樂景街 2-18 號銀禧薈 6 樓 605 號舖
8. **Tseung Kwan O Campus**
Shop G30, Ground Floor, The Metropolis, Metro City Phase 3, 8 Mau Yip Road,
Tseung Kwan O, New Territories
將軍澳分校
將軍澳貿業路 8 號新都城三期地下 G30 號舖

9. Yuen Long Campus
Portion 18 of Shop 2 on G/F, Crystal Park 50 Ma Tin Road, Yuen Long, New Territories
元朗分校
新界元朗馬田路 50 號朗景臺地下 2 號鋪 18 部份

10. Hong Kong Electrical & Mechanical College
Room1, 2/F, Wing Fat Building, 11 Poplar Street, Kowloon
香港機電專業學校
九龍白楊街 11 號榮發大廈 2 樓 1 室