



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)**

**MARCH 2020**

## **1. TERMS OF REFERENCE**

- 1.1 Based on the Service Agreement (No.: VA1039), the Hong Kong Council for Accreditation of Academic and Vocational Qualifications (HKCAAVQ), in the capacity of the Accreditation Authority as provided for under the Accreditation of Academic and Vocational Qualifications Ordinance (Cap 592) (AAVQO), was commissioned by the Federation of Self-financing Tertiary Education (FSTE), which represents the Hong Kong Institute of Technology, its member institution offering the accredited Diploma Yi Jin (DYJ) programme (Operator), to conduct a Learning Programme Re-accreditation (re-LPA) Exercise with the following Terms of Reference:
- (a) To conduct an accreditation test as provided for in AAVQO to determine whether the SCS-based Elective Cluster of the Diploma Yi Jin Programme to be offered by the Hong Kong Institute of Technology, member institution of FSTE meets the stated objectives and QF standard and can continue to be offered as an accredited SCS-based qualification from the 2020/21 academic year.
  - (b) To issue to the Hong Kong Institute of Technology accreditation report setting out the results of the determination in relation to (a) by HKCAAVQ.
- 1.2 The accreditation exercise was conducted according to the relevant accreditation guidelines referred to in the Service Agreement.

## **2. HKCAAVQ'S DETERMINATION**

### **Learning Programme Re-accreditation** **Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin)**

- 2.1 HKCAAVQ has determined that the Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin) meets the stated objectives and QF standard at Level 3, and can be offered as an accredited programme with a validity period from 1 September 2020 to 31 August 2024.
- 2.2 **Validity Period**
- 2.2.1 The validity period will commence on the date specified below.
- 2.3 The determinations on the Learning Programme Re-accreditation are specified as follows:

|  |  |
|--|--|
| <b>Name of Operator(s)</b>                           | Hong Kong Institute of Technology<br>香港科技專上書院  |
| <b>Name of Award Granting Body</b>                   | Hong Kong Institute of Technology<br>香港科技專上書院  |
| <b>Title of Learning Programme</b>                   | Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin)<br>機電工程（毅進文憑選修群組）證書   |
| <b>Title of Qualification(s) (Exit Award(s))</b>     | Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin)<br>機電工程（毅進文憑選修群組）證書   |
| <b>Primary Area of Study and Training</b>            | Engineering and Technology   |
| <b>Sub-area (Primary Area of Study and Training)</b> | Electrical, Electronic and Mechanical Engineering and Services   |
| <b>Other Area of Study and Training</b>              | Not applicable   |
| <b>Sub-area (Other Area of Study and Training)</b>   | Not applicable   |
| <b>Industry</b>                                      | Electrical and Mechanical Services   |
| <b>Branch</b>  | Electrical Engineering   |
| <b>QF Level</b>                                      | Level 3  |
| <b>QF Credits</b>                                    | 45   |
| <b>Mode(s) of Delivery and Programme Length</b>      | Full-time and Part-time<br>Full-time: 1 year, 450 notional learning hours (including 180 contact hours)<br>Part-time: 2 years, 450 notional learning hours (including 180 contact hours) |
| <b>Intermediate Exit Award(s)</b>                    | Not applicable   |
| <b>Validity Period</b>                               | 4 years<br>1 September 2020 to 31 August 2024  |
| <b>Number of Enrolment(s)</b>                        | Not applicable   |
| <b>Maximum Number of New Students</b>                | Maximum of 35 learners per class   |
| <b>Specification of Competency Standards-based</b>   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |

|   |   |
|---|---|
| <b>Programme</b>  |   |
| <b>Specification of Generic (Foundation) Competencies-based Programme</b> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |
| <b>Vocational Qualifications Pathway Programme</b>                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |
| <b>Notes to be indicated on the QR</b>                                    | This programme is an Elective Cluster of Electrical Engineering of the Diploma Yi Jin programme.<br>此課程屬於毅進文憑課程的「機電工程」選修群組。 |
| <b>Address of Teaching/ Training Venue(s)</b>                             | See Appendix  |

- 2.4 **Condition(s) (including pre-conditions for obtaining the HKCAAVQ accreditation status as applied for within the validity period as specified in the above table; and requirements for maintenance of the accreditation status within the validity period)**

| <b>Requirement</b>  | <b>Date of Fulfilment</b> |
|---|---------------------------|
| <p>1. The Operator is to review and revise the teaching materials of the topic “機電技術於屋宇應用” in the Elective Course “Introduction to Electrical Engineering” to ensure that the performance requirements of the adopted Unit of Competency have been adequately covered in the teaching materials. The Operator is also to revise the corresponding final written examination to ensure the relevant Intended Learning Outcome can be effectively assessed at the claimed QF Level.</p> <p>The Operator is to submit the teaching materials and questions with marking scheme of the final written examination for the above topic of the Elective Course “Introduction to Electrical Engineering” to HKCAAVQ on or before 31 October 2020.</p> | 31 October 2020           |

- 2.5 HKCAAVQ will subsequently satisfy itself whether the Operator remains competent to achieve the relevant objectives and the Programme continues to meet the standard to achieve the relevant objectives as claimed by the Operator by reference to, amongst other things, the Operator's fulfilment of any conditions and compliance with any restrictions stipulated in this Accreditation Report. **For the avoidance of**

**doubt, maintenance of accreditation status is subject to fulfilment of any condition and compliance with any restriction stipulated in this Accreditation Report.**

### **3. INTRODUCTION**

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 in August 2013 and re-accredited in July 2016 by HKCAAVQ with a validity period until 31 August 2020.

FSTE has commissioned HKCAAVQ to re-accredit the DYJ Programme. The Hong Kong Institute of Technology (HKIT) is one of the member institutions of FSTE offering the DYJ Programme. The Certificate in Electrical Engineering (Elective Cluster of Diploma Yi Jin) offered by HKIT is a SCS-based Elective Cluster seeking learning programme re-accreditation as a qualification under HKQF.

### **4. PROGRAMME DETAILS**

The following is the programme information provided by the Operator.

#### **4.1 Programme Objectives**

- 本課程是讓同學認識機電工程並同時提高同學對機電工作的興趣，由三個互維緊扣的科目組成。第一科目為「電機工程導論」，讓同學認識電機工程知識和實務；第二科目為「機電服務業職安健」，讓同學提高工作時風險意識，注意安全工作減低意外；第三科目為「延伸數學」，讓同學打穩數學基礎，修讀高級課程時可以應付工程學習的需要。

#### **4.2 Programme Intended Learning Outcomes**

- PILO-1. 說明機電理論與技術；
- PILO-2. 認識電力裝置及系統；
- PILO-3. 掌握機電實務工作於屋宇設備裝置；
- PILO-4. 運用數理邏輯處理與機電工作有關的問題；
- PILO-5. 明白機電工程職安健的要求；及
- PILO-6. 應用電機職安健知識於電機實務工作。

### 4.3 Programme Structure

#### Elective Course: Introduction to Electrical Engineering (電機工程導論)

| Module Title     | UoC                                    | QF Credit |
|------------------|--|-----------|
| 單元一：機電基本理論       | EMCUDE101A<br>EMCUDE204A<br>EMELDE206A |           |
| 單元二：基本交直流電路理論和應用 | EMELDE302A                             |           |
| 單元三：評估一般電機的設計表現  | EMELDE301A                             |           |
| 單元四：機電技術於屋宇應用    | EMELDE309A                             |           |
| <b>Total</b>     |  | <b>15</b> |

#### Elective Course: Occupational Safety and Health for Electrical & Mechanical Services Industries (機電服務業職安健)

| Module Title  | UoC        | QF Credit |
|---------------|------------|-----------|
| 單元一：安全用電常識    | N/A        |           |
| 單元二：風險評估      | EMCUSH205A |           |
| 單元三：意外事故處理    | EMCUSH208A |           |
| 單元四：機電意外分析與處理 | EMCUSH305A |           |
| 單元五：提升工作安全及質量 | EMCUQM306A |           |
| <b>Total</b>  |            | <b>15</b> |

#### Elective Course: Maths Plus (延伸數學)

| Module Title      | UoC | QF Credit |
|-------------------|-----|-----------|
| 單元一：近似值與誤差估算      | N/A |           |
| 單元二：複數演算入門        |     |           |
| 單元三：邏輯入門          |     |           |
| 單元四：數學歸納法         |     |           |
| 單元五：方程與圖像-代數演算與基礎 |     |           |
| 單元六：組合與概率         |     |           |
| 單元七：統計推斷          |     |           |
| 單元八：空間與圖形         |     |           |
| 單元九：空間與度量         |     |           |
| 期末考試              |     |           |
| <b>Total</b>      |     | <b>15</b> |

### 4.4 Graduation Requirements

- An attendance rate of 80% or above in the programme; and
- At least 50% overall marks in the programme.

4.5 Admission Requirements

- a) Completion of Secondary six in Hong Kong or other studies equivalent to 12 years of progressive study, e.g. Grade 12 in overseas countries, Senior Secondary three in mainland China, etc.; OR
- b) Aged 21 or above (upon the first school day of that academic year)

**5. IMPORTANT INFORMATION REGARDING THIS ACCREDITATION REPORT**

**5.1 Variation and withdrawal of this Accreditation Report**

5.1.1 This Accreditation Report is issued pursuant to section 5 of the AAVQO, and contains HKCAAVQ's substantive determination regarding the accreditation, including the validity period as well as any conditions and restrictions subject to which the determination is to have effect.

5.1.2 HKCAAVQ may subsequently decide to vary or withdraw this Accreditation Report if it is satisfied that any of the grounds set out in section 5 (2) of the AAVQO apply. This includes where HKCAAVQ is satisfied that the Operator is no longer competent to achieve the relevant objectives and/or the Programme no longer meets the standard to achieve the relevant objectives as claimed by the Operator (whether by reference to the Operator's failure to fulfil any conditions and/or comply with any restrictions stipulated in this Accreditation Report or otherwise) or where at any time during the validity period there has/have been substantial change(s) introduced by the Operator after HKCAAVQ has issued the accreditation report(s) to the Operator and which has/have not been approved by HKCAAVQ. Please refer to the '*Guidance Notes on Substantial Change to Accreditation Status*' in seeking approval for proposed changes. These Guidance Notes can be downloaded from the HKCAAVQ website.

5.1.3 If HKCAAVQ decides to vary or withdraw this Accreditation Report, it will give the Operator notice of such variation or withdrawal pursuant to section 5(4) of the AAVQO.

5.1.4 The accreditation status of the Operator and/or Programme will lapse immediately upon the expiry of the validity period or upon the issuance of a notice of withdrawal of this Accreditation Report.

**5.2 Appeals**

5.2.1 If the Operator is aggrieved by the determination made in this Accreditation Report, then pursuant to Part 3 of the AAVQO the Operator has a right of appeal to the Appeal Board. Any appeal must be lodged within 30 days of the receipt of this Accreditation Report.

- 5.2.2 If the Operator is aggrieved by a decision to vary or withdraw this Accreditation Report, then pursuant to Part 3 of the AAVQO the Operator has a right of appeal to the Appeal Board. Any appeal must be lodged within 30 days of the receipt of the Notice of Variation or Withdrawal.
- 5.2.3 The Operator should be aware that a notice of variation or withdrawal of this Accreditation Report is not itself an accreditation report and the right to appeal against HKCAAVQ's substantive determination regarding accreditation arises only from this Accreditation Report.
- 5.2.4 Please refer to Cap 592A ([www.elegislation.gov.hk](http://www.elegislation.gov.hk)) for the appeal rules. Details of the appeal procedure are contained in section 13 of the AAVQO and can be accessed from the QF website at:[www.hkqf.gov.hk](http://www.hkqf.gov.hk).

### 5.3 **Qualifications Register**

- 5.3.1 Qualifications accredited by HKCAAVQ are eligible for entry into the QR at [www.hkqr.gov.hk](http://www.hkqr.gov.hk) for recognition under the QF. The Operator should apply separately to have their quality-assured qualifications entered into the QR.
- 5.3.2 Only learners who commence the study of the named accredited learning programme during the validity period and who have graduated with the named qualification listed in the QR will be considered to have acquired a qualification recognised under the QF.

Ref: 20/12/07 (b3)

**Address of Teaching/ Training Venue(s)**

- (1) Sham Shui Po Main Campus  
深水埗總校  
213 Nam Cheong Street, Sham Shui Po, Kowloon  
九龍深水埗南昌街 213 號
- (2) Cheung Sha Wan Campus  
長沙灣分校  
1/F, 638 Cheung Sha Wan Road, Cheung Sha Wan, Kowloon  
九龍長沙灣道 638 號 1 樓
- (3) Sheung Wan Campus  
上環分校  
5/F, Well View Commercial Building, 10 Morrison Street, Sheung Wan  
上環摩利臣街 10 號宏基商業大廈 5 樓
- (4) Kwun Tong Campus  
觀塘分校  
Unit 8-10, 3/F, Prosperity Place, No. 6 Shing Yip Street, Kwun Tong  
觀塘成業街 6 號泓富廣場 3 樓 8-10 室
- (5) Tin Shui Wai Campus  
天水圍分校  
A118-119, Kingswood Richly Plaza, 1 Tin Wu Road, Tin Shui Wai  
天水圍天湖路 1 號新北江商場地下 A118-119 號
- (6) Tsuen Wan Campus  
荃灣分校  
UG17 - UG 20, UG/F, Waterside Plaza, 38 Wing Shun Street, Tsuen Wan  
荃灣永順街 38 號海灣花園購物商場地下高層 UG17-UG20 號
- (7) Tuen Mun Campus  
屯門分校  
76-80, L2, Sun Tuen Mun Shopping Centre, 55-65 Lung Mun Road, Tuen Mun  
屯門龍門路 55-65 號新屯門商場 L2 層 76-80 號
- (8) Sha Tin Campus  
沙田分校  
605, 6/F, Jubilee Square, 2-18 Lok King Street, Sha Tin  
沙田火炭樂景街 2-18 號銀禧薈 6 樓 605 號
- (9) Tseung Kwan O Campus  
將軍澳分校  
G30, Ground Floor, The Metropolis, Metro City Phase 3, 8 Mau Yip Road,  
Tseung Kwan O  
將軍澳貿業路 8 號新都城三期地下 G30 號

(10) Yuen Long Campus

元朗分校

66, Yee Fung Garden, No.38 Ma Tin Road, Yuen Long

元朗馬田路 38 號怡豐花園 66 號

(11) Fanling Campus

粉嶺分校

R40, G/F, Wah Sum Shopping Centre, Fanling

粉嶺華心商場地下 40 號

(12) Wong Tai Sin Campus

黃大仙分校

108 and 109, 1/F, Lions Rise Mall, 8 Muk Lun Street, Wong Tai Sin

黃大仙睦鄰街 8 號現崇山商場 1 樓 108 及 109 號

(13) Hong Kong Electrical & Mechanical College

Hong Kong & Kowloon Electrical Engineering & Appliances Trade Workers  
Union – Wing Fat Centre

Room 1, 2/F, Wing Fat Building, Nos.11-13 Poplar Street, Prince Edward

太子白楊街 11-13 號榮發大廈 2 樓 1 室

