



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

**SUMMARY ACCREDITATION REPORT**

**TECHNOLOGICAL AND HIGHER EDUCATION INSTITUTE  
OF HONG KONG,  
VOCATIONAL TRAINING COUNCIL**

**LEARNING PROGRAMME ACCREDITATION**

**PROFESSIONAL DIPLOMA IN BUILDING INFORMATION  
MODELLING**

**AUGUST 2019**

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 2012, the Vocational Training Council (VTC) established the Technological and Higher Education Institute of Hong Kong (THEi) with three Faculties, namely Faculty of Science and Technology (FST), Faculty of Design (renamed to Faculty of Design and Environment (FDE) in 2015), and Faculty of Management and Hospitality (FMH), and a Department of General Education (renamed to School of General Education and Languages in 2015). THEi was granted Institutional Review status by HKCAAVQ in September 2012. In 2018/19, it is offering 21 HKCAAVQ accredited degrees, three professional diplomas and one professional certificate programme covering a wide range of academic and professional disciplines. THEi has more than 3,500 students in September 2018.
- 1.2 THEi offers bachelor's degree and in-service training programmes with strong industry and student demand that are vocationally and professionally oriented. The programmes are also in areas where the VTC has strengths so that THEi can leverage VTC's educational expertise, reputation, personnel, facilities and industry networks.
- 1.3 HKCAAVQ was commissioned by the Technological and Higher Education Institute of Hong Kong, Vocational Training Council (the Operator) to conduct a learning programme accreditation with the following Terms of Reference:
  - (a) To conduct an accreditation test as provided for in the AAVQO to determine whether the Professional Diploma in Building Information Modelling programme meets the stated objectives and QF standards and can be offered as an accredited programme; and
  - (b) To issue to the Operator an accreditation report setting out the results of the determination in relation to (a) by HKCAAVQ.

- 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 5 June 2019.

## 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:

### 2.1 Learning Programme Accreditation

- Approval

<b>Name of Local Operator</b>	Technological and Higher Education Institute of Hong Kong, Vocational Training Council 職業訓練局 - 香港高等教育科技學院
<b>Name of Award Granting Body</b>	Vocational Training Council 職業訓練局
<b>Title of Learning Programme</b>	Professional Diploma in Building Information Modelling 建築信息模擬專業文憑
<b>Title of Qualification (Exit Award)</b>	Professional Diploma in Building Information Modelling 建築信息模擬專業文憑
<b>Primary Area of Study and Training</b>	Architecture and Town Planning
<b>Sub-area (Primary Area of Study and Training)</b>	Architecture, Construction and Town Planning
<b>Other Area of Study and Training</b>	Engineering and Technology
<b>Sub-area (Other Area of Study and Training)</b>	Other Engineering Related Technology and Services
<b>HKQF Level</b>	Level 5
<b>HKQF Credits</b>	72
<b>Mode(s) of Delivery and Programme Length</b>	Part-time mode; one year (3 semesters)

<b>Start Date of Validity Period</b>	1 September 2019
<b>End Date of Validity Period</b>	31 August 2022
<b>Number of Enrolment(s)</b>	Three enrolments per academic year (one for each of the three semesters)
<b>Maximum Number of New Students</b>	150 new students per academic year
<b>Address of Teaching / Training Venue(s)</b>	Technological and Higher Education Institute of Hong Kong (Tsing Yi Campus) at 20A Tsing Yi Road, Tsing Yi, New Territories, Hong Kong.

### 2.1.1 Recommendation

The Operator should consider integrating project leadership, management, teamwork and communication skills together with the technical systems and principles of BIM.

## 3. Programme Details

The following programme information is provided by the operator.

### 3.1 Programme Objectives

- PO1 To provide in-depth knowledge of the principles and practice of building information modelling (BIM);
- PO2 To develop technical and strategic skills for BIM project planning and implementation in different professional disciplines and technical areas;
- PO3 To equip students with a solid knowledge and understanding of BIM for lifecycle planning and management of building, construction and infrastructure projects; and
- PO4 To develop students' ability in effective BIM technology applications and innovation at advanced professional level.

### 3.2 Programme Intended Learning Outcomes

- PLO1 Apply the principles and practice of building information modelling (BIM) in the building and construction industry;

PLO2 Utilize technical and strategic skills for BIM project planning and implementation in different professional disciplines and technical areas;

PLO3 Develop BIM solutions for lifecycle planning and management of building, construction and infrastructure projects; and

PLO4 Demonstrate the ability in effective BIM technology applications and innovation at advanced professional level.

### 3.3 Programme Structure

3.3.1 The PD-BIM programme comprises a total of 72 QF credits at Level 5. The programme consists of six modules with a programme length of three semesters in one year, up to a maximum of three years for the part-time study mode.

3.3.2 The content and structure of the programme are summarised as follows:

Semester & Theme	Module Title	Type	QF Level	QF Credits	Contact Hours
Sem 1: BIM Principles & Practices	BIM Technology	Core	5	12	42
	BIM in Practice	Core	5	12	42
Sem 2: BIM Skills & Applications*	BIM Visualization & 3D Modelling	Elective	5	12	42
	BIM for Cost & Facility Management	Elective	5	12	42
	BIM for MEP & Sustainable Building	Elective	5	12	42
Sem 3: BIM Implementation & Capstone	BIM Project Execution & Management	Core	5	12	42
	Capstone Project	Core	5	12	42
<b>Total 6 modules (3 cores, 2 electives, 1 capstone):</b>				<b>72</b>	<b>252</b>

### 3.4 Graduation Requirements

A student is required to successfully complete the above units. All units carry 12 HKQF credits each. Students are required to successfully complete a total of 72 HKQF credits to satisfy the graduation requirements.

### 3.5 Admission Requirements

(a) Admission is on a competitive basis, with applicants judged on their ability to meet the entrance requirements of the programme.

The minimum entry requirement is a Higher Diploma (HD) or Associate Degree (AD) in construction or engineering related disciplines, or a bachelor's degree in other disciplines with relevant working experience, or equivalent.

- (b) Advanced standing or credit transfer for the programme is subject to the requirements stipulated in Section 4 of the THEi Academic Policies and Regulations. The advanced standing or credit transfer is normally based on formal academic achievements obtained from THEi/VTC or other recognised institutions, on the condition that the module concerned is similar in terms of credits, intended learning outcomes, QF level and assessment standards. Candidates may be given advanced standing for up to a maximum of 50% of the total number of QF credits for the programme. All candidates will however be required to complete the Capstone Project.
- (c) Mature students at the age of 25 or above with at least three years of relevant work experience may be considered for admission on a case-by-case basis. These applicants may be required to attend an interview to assess their suitability.
- (d) To tie in with the general expectation on self-financed operators in safeguarding teaching and learning quality and thereby upholding the credibility and recognition of the qualifications, the percentage of students to be admitted through the non-standard entry including mature applicants is expected to be capped, on a programme basis, at a maximum of no more than 5% of the new students of the admission year.
- (e) Applicants may be required to attend an admission interview, a technical aptitude test and/or an English assessment to assess their suitability. Apart from applicants' academic qualifications, selection may also take into account applicants' educational background, work experience, aspiration, and communication skills as demonstrated in the interview. The selection panel would submit recommendations to the Dean, who makes the final decision.

#### **4. Substantial Change**

- 4.1 HKCAAVQ may vary or withdraw the 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. 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 the Accreditation Report.

#### **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 Hong Kong Qualifications Framework (HKQF). The Operator should apply separately to have their quality-assured qualifications entered into the QR.
- 5.2 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 HKQF.

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