



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 COLLEGE OF ENGINEERING

LEARNING PROGRAMME ACCREDITATION

**DIPLOMA IN CIVIL ENGINEERING TECHNOLOGY
DIPLOMA IN BUILDING SERVICES ENGINEERING
TECHNOLOGY**

AND

LEARNING PROGRAMME RE-ACCREDITATION

DIPLOMA IN SURVEYING

JUNE 2020

1. TERMS OF REFERENCE

1.1 Based on the Service Agreement (No.: VA1044), 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 Hong Kong College of Engineering (“Operator”), a branch of the TD Professional Education Group Limited to conduct a Learning Programme Accreditation (LPA) and 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 programmes of the Hong Kong College of Engineering (the Operator) meet the stated objectives and Hong Kong Qualifications Framework (HKQF, or in short QF) Level 3 standard and can be offered as accredited programmes:

- (i) Diploma in Civil Engineering Technology; and
- (ii) Diploma in Building Services Engineering Technology

(b) To conduct an accreditation test as provided for in AAVQO to determine whether the programme of the Hong Kong College of Engineering (the Operator) meets the stated objectives and QF Level 3 standard and can continue to be offered as an accredited programme:

- (i) Diploma in Surveying

(c) To issue to the Operator accreditation report(s) setting out the results of the determination in relation to (a) to (b) by HKCAAVQ.

1.2 The accreditation exercise was conducted according to the relevant accreditation guidelines referred to in the Service Agreement. A site visit took place on 29 April 2020.

2. HKCAAVQ’S DETERMINATION

Learning Programme Accreditation **Diploma in Civil Engineering Technology**

2.1 HKCAAVQ has determined that the Diploma in Civil Engineering Technology meets the stated objectives and QF standard at Level 3, and can be offered as an accredited programme with a validity period from 15 August 2020 to 14 August 2023.

2.2 Validity Period

2.2.1 The validity period will commence on the date specified below.

2.2.2 The maintenance of the accreditation status within the specified validity period is subject to the fulfilment of all requirements set out in 2.10 by the specified fulfilment deadline.

2.3 The determinations on the Learning Programme Accreditation are specified as follows:

Name of Operator(s)	Hong Kong College of Engineering 香港設施工程學院
Name of Award Granting Body	Hong Kong College of Engineering 香港設施工程學院
Title of Learning Programme	Diploma in Civil Engineering Technology 土木工程技術文憑
Title of Qualification(s) (Exit Award(s))	Diploma in Civil Engineering Technology 土木工程技術文憑
Primary Area of Study and Training	Engineering and Technology
Sub-area (Primary Area of Study and Training)	Civil Engineering
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Industry	Not applicable
Branch	Not applicable
QF Level	Level 3
QF Credits	60
Mode(s) of Delivery and Programme Length	Part-time, 15 months 600 notional learning hours (including 240 contact hours)
Intermediate Exit Award(s)	Not applicable
Validity Period	15 August 2020 to 14 August 2023

Number of Enrolment(s)	Four enrolments per year
Maximum Number of New Students	Maximum of 72 learners per year Maximum of 24 learners per class
Specification of Competency Standards-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Specification of Generic (Foundation) Competencies-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Vocational Qualifications Pathway Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes to be indicated on the QR	Not applicable
Address of Teaching/ Training Venue(s)	15/F, Prosperity Centre, 982 Canton Road, Mongkok, Kowloon, Hong Kong 香港九龍旺角廣東道 982 號嘉富商業中心 15 樓

Learning Programme Accreditation

Diploma in Building Services Engineering Technology

2.4 HKCAAVQ has determined that the Diploma in Building Services Engineering Technology meets the stated objectives and QF standard at Level 3, and can be offered as an accredited programme with a validity period from 15 August 2020 to 14 August 2023.

2.5 Validity Period

2.5.1 The validity period will commence on the date specified below.

2.5.2 The maintenance of the accreditation status within the specified validity period is subject to the fulfilment of all requirements set out in 2.10 by the specified fulfilment deadline.

2.6 The determinations on the Learning Programme Accreditation are specified as follows:

Name of Operator(s)	Hong Kong College of Engineering 香港設施工程學院
Name of Award Granting Body	Hong Kong College of Engineering 香港設施工程學院
Title of Learning Programme	Diploma in Building Services Engineering Technology 屋宇裝備工程技術文憑
Title of Qualification(s) (Exit Award(s))	Diploma in Building Services Engineering Technology 屋宇裝備工程技術文憑
Primary Area of Study and Training	Engineering and Technology
Sub-area (Primary Area of Study and Training)	Other Engineering, Related Technology and Services
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Industry	Not applicable
Branch	Not applicable
QF Level	Level 3
QF Credits	60
Mode(s) of Delivery and Programme Length	Part-time, 15 months 600 notional learning hours (including 240 contact hours)
Intermediate Exit Award(s)	Not applicable
Validity Period	15 August 2020 to 14 August 2023
Number of Enrolment(s)	Four enrolments per year
Maximum Number of New Students	Maximum of 72 learners per year Maximum of 24 learners per class
Specification of Competency Standards-based	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Programme	
Specification of Generic (Foundation) Competencies-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Vocational Qualifications Pathway Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes to be indicated on the QR	Not applicable
Address of Teaching/ Training Venue(s)	15/F, Prosperity Centre, 982 Canton Road, Mongkok, Kowloon, Hong Kong 香港九龍旺角廣東道 982 號嘉富商業中心 15 樓

Learning Programme Re-accreditation
Diploma in Surveying

- 2.7 HKCAAVQ has determined that the Diploma in Surveying meets the stated objectives and QF standard at Level 3, and can be offered as an accredited programme with a validity period from 15 August 2020 to 14 August 2023.
- 2.8 **Validity Period**
- 2.8.1 The validity period will commence on the date specified below.
- 2.8.2 The maintenance of the accreditation status within the specified validity period is subject to the fulfilment of all requirements set out in 2.10 by the specified fulfilment deadline.
- 2.9 The determinations on the Learning Programme Re-accreditation are specified as follows:

Name of Operator(s)	Hong Kong College of Engineering 香港設施工程學院
Name of Award Granting Body	Hong Kong College of Engineering 香港設施工程學院
Title of Learning Programme	Diploma in Surveying 測量工程文憑
Title of Qualification(s) (Exit Award(s))	Diploma in Surveying 測量工程文憑

Primary Area of Study and Training	Engineering and Technology
Sub-area (Primary Area of Study and Training)	Other Engineering, Related Technology and Services
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Industry	Not applicable
Branch	Not applicable
QF Level	Level 3
QF Credits	60
Mode(s) of Delivery and Programme Length	Part-time, 15 months 600 notional learning hours (including 240 contact hours)
Intermediate Exit Award(s)	Not applicable
Validity Period	15 August 2020 to 14 August 2023
Number of Enrolment(s)	Four enrolments per year
Maximum Number of New Students	Maximum of 72 learners per year Maximum of 24 learners per class
Specification of Competency Standards-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Specification of Generic (Foundation) Competencies-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Vocational Qualifications Pathway Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes to be indicated on the QR	Not applicable
Address of Teaching/	15/F, Prosperity Centre, 982 Canton Road, Mongkok,

Training Venue(s)	Kowloon, Hong Kong 香港九龍旺角廣東道 982 號嘉富商業中心 15 樓
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2.10 **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)**

Requirement(s)	Date of Fulfilment
<u>All programmes</u> 1. The Operator is to set out clear and relevant appointment criteria for the programme coordinators of the Diploma in Civil Engineering Technology (DCET), Diploma in Building Services Engineering Technology (DBSET), and Diploma in Surveying (DS) programmes to ensure the appointed programme coordinators possess relevant subject expertise and sufficient experience to perform the specified role. The Operator is to provide the respective appointment criteria for programme coordinators of the DCET, DBSET and DS programmes and details of the appointed personnel to HKCAAVQ on or before 31 December 2020.	31 December 2020

2.11 **Recommendation(s)**
HKCAAVQ offers the following recommendation(s) for continuous improvement.

Recommendation(s)
<u>All programmes</u> 1. The Operator should conduct analysis with data collected through programme delivery and quality assurance activities and follow the established programme review mechanism to ensure the admission requirements and admission tests are appropriate and effective for learner selection for the DCET, DBSET and DS programmes.

2. The Operator should formalise the arrangement of visits to external organisations and integrate them in the DCET, DBSET and DS programmes, so as to enrich the learning experience and workplace exposure of students.
3. The Operator should conduct thematic training sessions on a regular basis to equip lecturers with more in-depth understanding of the specific requirements of the HKQF standards and teaching techniques for effective delivery of the QF-recognised programmes.
4. The Operator should prepare sufficient sets of equipment and facilities that are used in the supervised practices or experiments for the DCET, DBSET and DS programmes so that learners can have more hands-on experience of each equipment.
5. The Operator should consider procuring more updated models of related learning equipment and facilities that are used for supervised practices or experiments in the DCET, DBSET and DS programmes so as to facilitate learners' understanding of the technological development of the building and construction industry.
6. The Operator should revise the membership composition of the Programme Development and Review Committee to ensure that there are members appointed in the capacity as employers so that the review of the DCET, DBSET and DS programmes will be conducted in a more comprehensive manner with reference to the programme objectives.

Diploma in Building Services Engineering Technology

7. The Operator should appoint external advisors with relevant academic or professional qualifications in building services engineering discipline for the DBSET programme to ensure the external personnel performs the roles and responsibilities in an effective manner.

2.12 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

Hong Kong College of Engineering (HKCE) is a subsidiary college of the TD Professional Education Group Limited. HKCE is a Pearson approved Education Centre offering Business and Technology Education Council (BTEC) programmes. HKCE also organises engineering related Continuing Professional Development (CPD) courses.

4. PROGRAMME DETAILS

The following is the programme information provided by the Operator.

4.1 Programme Objectives

Diploma in Civil Engineering Technology

To enable students to acquire extensive and comprehensive skills and knowledge in basic civil engineering technologies, so that they can perform supporting roles and provide assistance in project coordination, technical and site operations applicable to the building and construction industry; and be prepared for further study in the discipline.

Diploma in Building Services Engineering Technology

To enable students to acquire extensive and comprehensive skills and knowledge in basic building services engineering technologies, so that they can perform supporting roles and provide assistance in project coordination, technical and site operations applicable to the building and construction industry; and be prepared for further study in the discipline.

Diploma in Surveying

To enable students to acquire extensive and comprehensive skills and knowledge to perform basic building and quantity surveying applicable to the building and construction industry; and be prepared for further study in the discipline.

4.2 Programme Intended Learning Outcomes

Diploma in Civil Engineering Technology

- PILO-1. Acquire knowledge in the civil engineering technology discipline for applying to the building and construction industry;
- PILO-2. Stay abreast of latest issues in skills, techniques, regulations, ethics, health and safety, environment and sustainability in the civil engineering technology discipline, and aware of their impacts;

- PILO-3. Apply knowledge in technical areas that are directly relevant to the changing needs of civil engineering technology discipline; and
- PILO-4. Develop a range of skills and techniques essential for effective performance in working life and career development in the civil engineering technology discipline.

Diploma in Building Services Engineering Technology

- PILO-1. Acquire knowledge in the building services engineering technology discipline for applying to the building and construction industry;
- PILO-2. Stay abreast of latest issues in skills, techniques, regulations, ethics, health and safety, environment and sustainability in the building services engineering technology discipline, and aware of their impacts;
- PILO-3. Apply knowledge in technical areas that are directly relevant to the changing needs of building services engineering technology discipline; and
- PILO-4. Develop a range of skills and techniques essential for effective performance in working life and career development in the building services engineering technology discipline.

Diploma in Surveying

- PILO-1. Acquire knowledge in the building and quantity surveying discipline for applying to the building and construction industry;
- PILO-2. Stay abreast of latest issues in skills, techniques, regulations, ethics, health and safety, environment and sustainability in the building and quantity surveying discipline, and aware of their impacts;
- PILO-3. Apply knowledge in technical areas that are directly relevant to the changing needs of building and quantity surveying discipline; and
- PILO-4. Develop a range of skills and techniques essential for effective performance in working life and career development in the building and quantity surveying.

4.3 Programme Structure

Diploma in Civil Engineering Technology

Module Title	QF Credits
Health, Safety and Welfare in Building and Surveying Environment	
Sustainable Construction	
Numeracy in Building and Construction	
Science and Materials in Construction	
Civil Engineering Information	
Structural Mechanics in Civil Engineering	

Principles of Structural Design	
Project in Construction Environment	
Geotechnics & Soil Mechanics	
Public Health Engineering in Civil Engineering	
Measurement Techniques in Construction	
Civil Engineering Construction	
Total	60

Diploma in Building Services Engineering Technology

Module Title	QF Credits
Health, Safety and Welfare in Building and Surveying Environment	
Sustainable Construction	
Numeracy in Building and Construction	
Science and Materials in Construction	
Building Services Control Systems	
Building Services Science	
Ventilation and Air Conditioning Design in Building Services	
Refrigeration Technology in Building Services	
Plumbing Technology in Building Services	
Electrical Principles in Building Services	
Electrical Installation Standards and Components in Building Services	
Electrical Installation Design in Building Services	
Total	60

Diploma in Surveying

Module Title	QF Credits
Health, Safety and Welfare in Building and Surveying Environment	
Sustainable Construction	
Numeracy in Building and Construction	
Science and Materials in Construction	
Construction Technology and Design in Building	

Engineering	
Building Technology	
Project Management	
Measuring, Estimating and Tendering Processes	
Surveying for Construction	
Building Surveying	
Building Regulations and Development Control	
Conversion and Adaptation of Buildings	
Total	60

4.4 Graduation Requirements

Diploma in Civil Engineering Technology

Diploma in Building Services Engineering Technology

Diploma in Surveying

- Minimum of 70% attendance of each module; and
- 60% of both Individual Assignment and Final Written Examination for each module

4.5 Admission Requirements

Diploma in Civil Engineering Technology

Diploma in Building Services Engineering Technology

Diploma in Surveying

- Completion of Form 5 under the old secondary education system; or
- Completion of Senior Secondary 3 under the new secondary system; or
- Mature student of age 21 or above; or
- Equivalent qualifications;

And attained:

- Level 2 / Grade E in Mathematics in HKDSE / HKCEE; or equivalent qualifications; or pass the admission test in Mathematics; and
- Level 2 / Grade E in English Language in HKDSE / HKCEE; or equivalent qualifications; or pass the admission test in English and the admission interview.

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) 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.

5.3 **Qualifications Register**

- 5.3.1 Qualifications accredited by HKCAAVQ are eligible for entry into the QR at 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: VA236/02/02-03, VA236/02/01a

