



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

**SUMMARY ACCREDITATION REPORT**

**CHU HAI COLLEGE OF HIGHER EDUCATION**

**LEARNING PROGRAMME ACCREDITATION FOR**

**MASTER OF SCIENCE IN CIVIL ENGINEERING  
(INFRASTRUCTURE CONSTRUCTION AND  
MANAGEMENT) PROGRAMME**

**OCTOBER 2018**

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 Chu Hai College of Higher Education (the College) was registered in 2004 under the Post Secondary Colleges Ordinance (Cap. 320) as a privately funded, non-profit-making post-secondary college. The College was previously known as Chu Hai University, a private university founded in 1947 in Guangzhou, China and subsequently relocated to Hong Kong in 1949 and registered as Chu Hai College under the Education Ordinance (Cap. 279). The College started operating in the current campus near Castle Peak Bay in Tuen Mun in September 2016.
- 1.2 Since its registration as a post-secondary college in 2004, the College has undergone a number of Learning Programme Accreditation (LPA) and Learning Programme Re-accreditation (re-LPA) exercises. The College currently has 20 accredited programmes, including 17 bachelor degree programmes and three master degree programmes.
- 1.3 The College commissioned HKCAAVQ to conduct a learning programme accreditation of the Master of Science in Civil Engineering (Infrastructure Construction and Management) Programme.
- 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 16-17 August 2018.

## **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 / Learning Programme Re-accreditation

Approval

<b>Name of Operator(s)</b> 營辦者名稱	Chu Hai College of Higher Education 珠海學院
<b>Name of Award Granting Body</b> 資歷頒授者名稱	Chu Hai College of Higher Education 珠海學院
<b>Title of Learning Programme</b> 進修課程名稱	Master of Science in Civil Engineering (Infrastructure Construction and Management) Programme 土木工程理學碩士(基礎建設建造及管 理)課程
<b>Title of Qualification(s)</b> [Exit Award(s)] 資歷名稱 (結業資歷)	Master of Science in Civil Engineering (Infrastructure Construction and Management) 土木工程理學碩士(基礎建設建造及管 理)
<b>Primary Area of Study and Training</b> 主要學習及培訓範疇	Engineering and Technology
<b>Sub-area (Primary Area of Study and Training)</b> 子範疇 (主要學習及培訓範疇)	Civil Engineering
<b>Other Area of Study and Training</b> 其他學習及培訓範疇	Not applicable
<b>Sub-area (Other Area of Study and Training)</b> 子範疇 (其他學習及培訓範疇)	Not applicable
<b>QF Level</b> 資歷架構級別	Level 6
<b>QF Credits</b> 資歷學分	Not applicable
<b>Mode(s) of Delivery and Programme Length</b> 授課模式及修讀期	Part-time, 2 years
<b>Start Date of Validity Period</b> 有效期的開始日期	1 September 2019

<b>End Date of Validity Period</b> 有效期的終止日期	31 August 2022
<b>Number of Enrolment(s)</b> 招收學員次數	One enrolment per year
<b>Maximum Number of New Students</b> 新學員人數上限	2019/20 – 20 per year 2020/21 – 30 per year 2021/22 – 60 per year
<b>Specification of Competency Standards-based Programme</b> 「能力標準說明」為本課程	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Address of Teaching / Training Venue(s)</b> 授課地址	80, Castle Peak Road, Castle Peak Bay, Tuen Mun, New Territories

### 2.1.1 Recommendations

The College should strengthen the execution of its quality assurance procedures to improve the effectiveness of their quality assurance functions.

## 3. Programme Details

The following programme information is provided by the operator.

### 3.1 Programme Objectives

- to utilise the knowledge and ability in the construction of infrastructure development projects;
  - to effectively carry out project management and construction management of complex infrastructure projects;
  - to utilise the knowledge of contract law and dispute resolution in infrastructure projects;
  - to carry out the planning of large scale infrastructure projects and the financial management of these projects;
  - to manage construction projects with due considerations of environmental, health and safety concerns;
  - to apply the quality management and assurance systems to construction materials and workmanship in infrastructure projects;
- and

- to best utilise latest IT approach and facilities to manage construction process so as to achieve better accuracy and efficiency and optimize manpower and plant resources.

### 3.2 Programme Intended Learning Outcomes

- an ability to apply knowledge of mathematics, science, and engineering;
- an ability to analyse and interpret data;
- an ability to design a system, component or process to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability;
- an ability to function on multi-disciplinary teams;
- an ability to identify, formulate and solve engineering problems;
- an ability to understand professional and ethical responsibility;
- an ability to communicate effectively;
- an ability to understand the impact of engineering solutions in a global and social context, especially the importance of health, safety and environmental considerations to both workers and the general public;
- an ability to stay abreast of contemporary issues;
- an ability to recognize the need for, and to engage in life-long learning;
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice appropriate to the degree discipline; and
- an ability to use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations.

### 3.3 Programme Structure

<b>Year 1</b>	
Core modules	Infrastructure and Building Project Management
	Advanced Construction Management
	Contract Law and Contract Management
	Project Planning and Financial Management
<b>Year 2</b>	
Core modules	Innovative IT Applications in Construction Engineering
	Infrastructure Project or Building Project
Elective modules (choose two)	Construction Technologies for Infrastructure
	Construction Technologies for Tall Buildings and Foundation Construction
	Testing and Certification for Construction Materials

### 3.4 Graduation Requirements

- pass eight modules to gain 30 credits
- attain a minimum cumulative GPA of 2.0
- attain a cumulative GPA of 3.5 to be awarded the master degree with distinction

### 3.5 Admission Requirements

- Holding a recognised bachelor's degree in civil engineering or in construction engineering management with Second Class Honours (Division II), or equivalent qualification; and
- Meeting one of the following English language proficiency requirements:
  - a) Holding a degree from a degree-awarding institution in Hong Kong or any English-speaking country; or
  - b) Scoring Level 3 in English in Hong Kong Diploma of Secondary Education (DSE); or
  - c) In the case of holding a degree NOT from a degree-awarding institution in Hong Kong or any English-speaking country, attaining one of the following TOEFL or IELTS scores:
    - TOEFL: writing not lower than 550; machine test not lower than 213; online test not lower than 79
    - IELTS (Academic Paper): total score not lower than 6.0

### 3.6 Graduate Profile

- Please refer to Appendix.

## 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 Qualifications Framework (QF). 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 QF.

Report No.: 18/177  
File Reference: 55/24/01

### Graduate Profile

Qualification Title (in English and Chinese, if applicable)	Master of Science in Civil Engineering (Infrastructure Construction and Management) 土木工程理學碩士(基礎建設建造及管理)
Qualification Type (e.g. Bachelor Degree)	Master Degree
QF Level	6
Primary Area of Study / Training	Area: Engineering and Technology Sub-area: Civil Engineering
Other Area of Study / Training (if any)	Not applicable
Programme Objectives	<ul style="list-style-type: none"> <li>(i) To utilise the knowledge and ability in the construction of infrastructure development projects;</li> <li>(ii) To effectively carry out project management and construction management of complex infrastructure projects;</li> <li>(iii) To utilise the knowledge of contract law and dispute resolution in infrastructure projects;</li> <li>(iv) To carry out the planning of large scale infrastructure projects and the financial management of these projects;</li> <li>(v) To manage construction projects with due considerations of environmental, health and safety concerns;</li> <li>(vi) To apply the quality management and assurance systems to construction materials and workmanship in infrastructure projects; and</li> <li>(vii) To best utilise latest IT approach and facilities to manage construction process so as to achieve better accuracy and efficiency and optimize manpower and plant resources.</li> </ul>
Programme Intended Learning Outcomes	<ul style="list-style-type: none"> <li>(i) an ability to apply knowledge of mathematics, science, and engineering;</li> </ul>



	<ul style="list-style-type: none"> <li>(ii) an ability to analyse and interpret data;</li> <li>(iii) an ability to design a system, component or process to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability;</li> <li>(iv) an ability to function on multi-disciplinary teams;</li> <li>(v) an ability to identify, formulate and solve engineering problems;</li> <li>(vi) an ability to understand professional and ethical responsibility;</li> <li>(vii) an ability to communicate effectively;</li> <li>(viii) an ability to understand the impact of engineering solutions in a global and social context, especially the importance of health, safety and environmental considerations to both workers and the general public;</li> <li>(ix) an ability to stay abreast of contemporary issues;</li> <li>(x) an ability to recognize the need for, and to engage in life-long learning;</li> <li>(xi) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice appropriate to the degree discipline; and</li> <li>(xii) an ability to use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations.</li> </ul>
Education Pathways	Graduates of the Programme can further their studies to attain a Doctor of Philosophy in Civil Engineering.
Employment Pathways	<p>Graduates of the Programme are expected to have the competency to take up senior positions in the following:</p> <ul style="list-style-type: none"> <li>(i) as senior project engineers in consultant firm involved in mega project construction;</li> <li>(ii) as senior project managers in contracting firm in</li> </ul>

	<p>charge of managing adequacy of materials, plants, resources and project progress;</p> <p>(iii) as senior construction managers in contracting firm managing legal and contractual aspects, construction methodologies, quality workmanship and allocation of resources.</p>
Minimum Admission Requirements	<p>For admission to the Programme, applicants must satisfy the following minimum admission requirements:</p> <p>(i) Holding a recognized bachelor's degree in civil engineering or in construction engineering management with Second Class Honours (Division II), or equivalent qualification; and</p> <p>(ii) Meeting one of the following English language proficiency requirements:</p> <p>a) Holding a degree from a degree-awarding institution in Hong Kong or any English-speaking country; or</p> <p>b) Scoring Level 3 in English in Hong Kong Diploma of Secondary Education (DSE); or</p> <p>c) In the case of holding a degree NOT from a degree-awarding institution in Hong Kong or any English-speaking country, attaining one of the following TOEFL or IELTS scores:</p> <ul style="list-style-type: none"> <li>• TOEFL: writing not lower than 550; machine test not lower than 213; online test not lower than 79</li> <li>• IELTS (Academic Paper): total score not lower than 6.0</li> </ul>
Operator (in English and Chinese, if applicable)	<p>Chu Hai College of Higher Education          珠海學院</p>