



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

SUMMARY ACCREDITATION REPORT

**SCHOOL FOR HIGHER AND PROFESSIONAL
EDUCATION, VOCATIONAL TRAINING COUNCIL**

AND

ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY

LEARNING PROGRAMME RE-ACCREDITATION

BACHELOR OF APPLIED SCIENCE (AVIATION)

JUNE 2020

1. Terms of Reference

1.1 Based on the Service Agreement (No.: AA624), 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), was commissioned by **School for Higher and Professional Education (SHAPE), Vocational Training Council (VTC) and Royal Melbourne Institute of Technology (RMIT)**, jointly as the Operator, to conduct a learning programme re-accreditation exercise with the following Terms of Reference:

- (a) To determine whether the following programme of the Operator meets the stated objectives and HKQF standard and can continue to be offered as an accredited programme.

Programme title	Exit award title	NCR Registration / Reference Number	Mode of study	Programme length	Claimed HKQF level
Bachelor of Applied Science (Aviation)	Bachelor of Applied Science (Aviation)	212652	Full-time	28 months	5
			Part-time	40 months	

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

2. HKCAAVQ'S Determination

Learning Programme Re-accreditation

2.1 HKCAAVQ has determined that, the Bachelor of Applied Science (Aviation) meets the stated objectives and HKQF standard at Level 5, and can continue to be offered as an accredited programme with a validity period from 1 October 2020 to 30 September 2024.

2.2 Validity Period

2.2.1 The validity period will commence on the date specified below. Operators may apply to HKCAAVQ to vary the commencement date of the validity period. Applications will be considered on a case-by-case basis.

2.3 The determinations on the Programme are specified as follows:

Name of Local Operator	School for Higher and Professional Education, Vocational Training Council 職業訓練局 才晉高等教育學院
Name of Non-local Operator	Royal Melbourne Institute of Technology
Name of Award Granting Body	Royal Melbourne Institute of Technology
Title of Learning Programme	Bachelor of Applied Science (Aviation)
Title of Qualification (Exit Award)	Bachelor of Applied Science (Aviation)
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	Business and Management
Sub-area (Other Area of Study and Training)	Transports and Logistics
HKQF Level	Level 5
HKQF Credits	228
Modes of Delivery and Programme Length	Full-time, 28 months Part-time, 40 months
Start Date of Validity Period	1 October 2020
End Date of Validity Period	30 September 2024

Number of Enrolment(s)	Full-time - One enrolment per year Part-time - One enrolment per year
Maximum Number of New Students	Full-time, 90 per year Part-time, 90 per year
Specification of Competency Standards-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Address of Teaching / Training Venues	All Hong Kong Institute of Vocational Education (IVE) / Hong Kong Design Institute (HKDI) Campuses: <ol style="list-style-type: none"> 1. IVE (Chai Wan) 30 Shing Tai Road, Chai Wan, Hong Kong 2. IVE (Haking Wong) 702 Lai Chi Kok Road, Cheung Sha Wan, Kowloon 3. HKDI and IVE (Lee Wai Lee) 3 King Ling Road, Tseung Kwan O, New Territories 4. IVE (Tsing Yi) 20 Tsing Yi Road, Tsing Yi Island, New Territories 5. IVE (Morrison Hill) 6 Oi Kwan Road, Wan Chai, Hong Kong 6. IVE (Tuen Mun) 18 Tsing Wun Road, Tuen Mun, New Territories 7. IVE (Sha Tin) 21 Yuen Wo Road, Sha Tin, New Territories 8. IVE (Kwai Chung) 20 Hing Shing Road, Kwai Chung, New Territories 9. IVE (Kwun Tong) 25 Hiu Ming Street, Kwun Tong, Kowloon

2.4 Recommendations

HKCAAVQ offers the following recommendations for continuous improvement of the Programme.

- 2.4.1 The Panel recommended that the Operator should review and revise its exemption policy for the Programme to ensure that the admitted students have the necessary prior knowledge and skills to pursue the top-up programme successfully.
- 2.4.2 The Panel recommended that the Operator should formulate a student recruitment plan which takes into account the needs of employers in relation to their working patterns so as to devise an appropriate delivery mode for the part-time programme.
- 2.4.3 The Panel recommended that the Operator should formalise a systematic and regular review of the programme structure and content to ensure that they continue to meet the changing needs of the aviation industry in Hong Kong. The Panel proposed such a review should be documented and incorporated into the programme materials every two to three years or when major changes occurred in the industry.
- 2.4.4 The Panel recommended that the Operator should review the reading lists and incorporate more updated materials including local industry examples for each of the modules.
- 2.4.5 The Panel recommended that the Operator should obtain input from and continue to build stronger links with the local aviation industry and professional associations for the development and continuous enhancement of the Programme.
- 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

- 3.1 Vocational Training Council (VTC) was founded in 1982 and it is the largest vocational education, training and professional development group in Hong Kong. SHAPE, which is a member institution of the VTC, was established in September 2003 and was subsequently incorporated in 2006 as a limited company under the Companies Ordinance (Cap 32). The establishment was driven by the collaborations between VTC and universities in the United Kingdom (UK), Australia, Mainland China and Hong Kong since 1999 in offering top-up degree study opportunities for VTC's Higher Diploma (HD) graduates. A wide range of the tailor-made programmes are being offered in the disciplines of accounting and finance, applied science, business and management, Chinese medicinal pharmaceuticals, computer science, design, engineering, hospitality and tourism, and marketing. SHAPE is a non-profitable organisation and named to become the "VTC School for Higher and Professional Education" (SHAPE) with a new Chinese name "才晉高等教育學院" in October 2007.
- 3.2 The Royal Melbourne Institute of Technology (RMIT) was granted University status in 1992. SHAPE and RMIT, jointly as the Operator, entered into a collaborative partnership in 2003 and obtained an Initial Evaluation (IE) status at HKQF Level 5 in 2014. The partnership is currently offering five degree programmes accredited by HKCAAVQ. The most recent RMIT-SHAPE Joint Advisory Committee meeting was held in October 2019 with a management consensus to have a new five-year extension on the partnership agreement from 2020 to 2024.
- 3.3 The accreditation exercise was conducted according to the relevant accreditation guidelines referred to in the Service Agreement and the Terms of Reference stated therein. Due to the outbreak of novel coronavirus, HKCAAVQ and the Operator decided to replace the in-person site interviews (23-24 April 2020) by video conference to reduce social contact.

4. Programmes Details

The following programme information is provided by the operator.

4.1 Programme Objectives

- PO1 To provide students with a broad, coherent and detailed body of knowledge and theory related to the global aviation industry;
- PO2 To develop students' skills to critically review and analyse all aspects of the aviation industry;
- PO3 To prepare students to work individually and in teams to solve aviation industry problems; and
- PO4 To produce graduates that can communicate professionally to diverse aviation industry stakeholders.

4.2 Programme Intended Learning Outcomes

PILO1: Needs, Context and Systems

- 1.1 Identify, interpret and analyse stakeholder needs, establish priorities and the goals, constraints and uncertainties of the system (social, cultural, legislative, environmental, business etc.), using systems thinking, while recognising ethical implications of professional practice.

PILO2: Problem-solving and Design

- 2.1 Apply problem solving, design and decision-making methodologies to develop components, systems and/ or processes to meet specified requirements, including innovative approaches to synthesise alternative solutions, concepts and procedures, while
- 2.2 Demonstrate information skills and research methods.

PILO3: Abstraction and Modelling

- 3.1 Apply abstraction, mathematics and discipline fundamentals to analysis, design and operation, using appropriate computer software, laboratory equipment and other devices, ensuring model applicability, accuracy and limitations.

PILO4: Coordination and Communication

- 4.1 Communicate and coordinate proficiently by listening, speaking, reading and writing English for professional practice, working as an effective member or leader of diverse teams.
- 4.2 Use basic tools and practices of formal project management.

PILO5: Self-management

- 5.1 Manage own time and processes effectively by prioritising competing demands to achieve personal and team goals, with regular review of personal performance as a primary means of managing continuing professional development.

4.3 Programme Structure

The Programme is a top-up degree programme that offers 19 specialised 12-credit modules giving a total of 228 QF credits. The Programme is delivered through seven trimesters for the full-time mode of study and ten trimesters for the part-time mode of study. The curriculum of the top-up Programme is listed below:

Module Title:

AERO2540 Introduction to Aircraft
AERO2541 Introduction to Aviation
MATH2299 Aviation Mathematics
AERO2545 Aviation Industry Environment
AERO2542 Aviation Quality Systems
AERO2549 Airline Operations
AERO2544 Aircraft Systems
AERO2543 Managing the Engineering Environment
AERO2547 Human Factors in Aviation
AERO2546 Airport/Airline Operations
AERO2548 Airport Planning and Management
AERO2550 Sustainable Aviation and the Environment
AERO2555 Aviation Safety and Security Systems
AERO2559 Aircraft Airworthiness #
AERO2553 Aviation Project Management #
AERO2558 Air Cargo Management and Operations #
AERO2551 Aircraft Maintenance Management
AERO2552 Aviation Strategy in the Global Context
AERO2554 Aviation Industry Project

Note

#. Exempted courses for feeders / Non-exempted courses for non-feeders.

4.4 Graduation Requirements

The graduation requirements for the Programme are achievement of 288 QF credits, including credits granted according to RMIT's credit policy and a pass in all required modules of the Programme.

4.5 Admission Requirements

4.5.1 For graduates from relevant VTC's Higher Diploma (HD) programmes or equivalent, the minimum admission requirements are as follows:

Standard Entry

Candidates need to have successfully completed one of the following Higher Diplomas¹ awarded by VTC and have achieved an average grade of C+ or better²:

- HD in Customer Services for Aviation and Passenger Transport
- HD in Airfreight Management and Global Logistics³
- HD in Airport Operations Management
- HD in Aircraft Maintenance Engineering
- HD in Business Administration
- HD in Automotive Engineering
- HD in Product Testing⁴ / HD in Testing and Certification
- HD in Software Engineering
- HD in Environmental Technology⁵
- HD in Aviation⁶

4.5.2 In addition to the above admission requirements, the following English Language Entry Requirements must also be satisfied:

Applicants are required to provide evidence of one of the following:

- IELTS (Academic) 6.5, no band less than 6.0;
- TOEFL Internet Based Test (IBT) Overall score of 79 with minimum of 13 in Reading, 12 in Listening, 18 in Speaking and 21 in Writing;
- RMIT English Worldwide (REW) Advanced Plus or equivalent;
- HKDSE score of 4 or more in English Language⁷;
- Pearson Test of English (PTE (A)) 58 (no communication band less than 50); or Cambridge English (Advanced CAE) 2015 onwards: 176 with no less than 169 in any component;
- Other equivalent qualifications as listed on the RMIT website; or
- Successful completion of at least the equivalent of a two year tertiary programme⁸ of at least AQF Level 5 within the past five years, where English is the language of teaching and assessment.

Notes:

- ¹ HD programmes using Hong Kong Diploma of Secondary Education (HKDSE) results or equivalent as general admission requirements.
- ² Average grade of C+ or better means an achievement of Award Grade Point Average (AGPA) of 2.3 or above (maximum 4.0) in the final HD award.
- ³ HD in Airfreight Management and Global Logistics was revalidated and changed to HD in Aviation Management and Global Logistics in September 2018. The objectives of the two programmes are identical.
- ⁴ Programme title of HD in Product Testing was changed to HD in Testing and Certification in September 2015. The objectives, structure, curriculum and content of the two programmes are identical.
- ⁵ HD in Environmental Technology was no longer offered since AY2017/18 after IVE/VTC programme revamp.
- ⁶ New feeder programme in AY1920.
- ⁷ HKDSE score of 4 or more in English Language means Level 4 or above in HKDSE English Language subject.
- ⁸ As VTC HD programmes are equivalent to AQF Level 5, and taught and assessed in English medium, graduates from VTC HD are considered to have met the English requirement.

4.5.3 Non-feeder programmes/special/alternative admission:

Any other equivalent qualifications or combination of qualifications and experience will be assessed by RMIT University on a case-by-case basis as per the RMIT Credit Policy.

4.6 Teaching and Learning Activities

4.6.1 The medium of instruction (MOI) of the Programme is English. The Programme employs a variety of learning and teaching methods, such as lecture, seminar, laboratory and workshop.

4.6.2 The Programme uses various assessment methods, including tests, assignments, discussion board, research assignments, presentations, final examination and thesis.

4.7 Learner Support Services

- 4.7.1 The planned teaching venue of the Programme from 2020/21 to 2024/25 will be at IVE Tsing Yi campus. The Operator offered a wide variety of learning support activities for students, such as an induction session and English enhancement programme. In terms of specialist resources, the simulated set-up of an Integrated Airport Centre (IAC) of the Hong Kong International Airport provided opportunity for students to understand the flow of airport operations. The IAC is blocked off one day per week solely for the RMIT students as a venue for their group projects and self-studying purposes.

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 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 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 (<http://www.legislation.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 <http://www.hkqf.gov.hk>.

5.3 Qualifications Register

5.3.1 Qualifications accredited by HKCAAVQ are eligible for entry into the Qualifications Register ("QR") at <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 HKQF.

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