



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 RE-ACCREDITATION

**BACHELOR OF ENGINEERING (HONOURS) IN
BUILDING SERVICES ENGINEERING**

AND

**BACHELOR OF SCIENCE (HONOURS) IN FOOD
SCIENCE AND SAFETY**

MAY 2020

1. Terms of Reference

1.1 Based on the Service Agreement (No.: AA606), 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 Technological and Higher Education Institute of Hong Kong, Vocational Training Council (the Operator) to conduct learning programme re-accreditation with the following Terms of Reference:

- (a) To conduct an accreditation test as provided for in the AAVQO to determine whether the programmes of Technological and Higher Education Institute of Hong Kong, Vocational Training Council (the Operator) (with specifications listed below) meet the stated objectives and QF standards and can continue to be offered as accredited programmes; and
- (b) To issue to the Operator an accreditation report setting out the results of the determination in relation to (a) by HKCAAVQ.

Specifications of the programmes seeking accreditation status

Programme title (English and Chinese)	Award title on exit (English and Chinese)	Mode of study	Programme length	Major(s) leading to distinctive awards, if any	Claimed QF level
Bachelor of Engineering (Honours) in Building Services Engineering 屋宇設備工程 (榮譽) 工學士	Bachelor of Engineering (Honours) in Building Services Engineering 屋宇設備工程 (榮譽) 工學士	Full-time	4 years	N/A	5
		Part-time	^4 years		
	Higher Diploma in Building Services Engineering 屋宇設備工程 高級文憑	Full-time	5 semesters	N/A	4

Bachelor of Science (Honours) in Food Science and Safety 食品科學及安全（榮譽）理學士	Bachelor of Science (Honours) in Food Science and Safety 食品科學及安全（榮譽）理學士	Full-time	4 years	N/A	5
	Higher Diploma in Food Science and Safety 食品科學及安全高級文憑	Full-time	5 semesters	N/A	4

^Year 3 entry arrangement only

2. HKCAAVQ'S Determination

2.1 HKCAAVQ has determined that, the Bachelor of Engineering (Honours) in Building Services Engineering programme (BSE) and the Bachelor of Science (Honours) in Food Science and Safety programme (FSS) meet the stated objectives and QF standard at Level 5, and can continue to be offered as accredited programmes with a validity period of five years.

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 Programmes are specified as follows:

Name of Operator(s)	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	
Name of Award Granting Body	Vocational Training Council 職業訓練局	
Title of Learning	Bachelor of Engineering	Bachelor of Science

Programme	(Honours) in Building Services Engineering 屋宇設備工程（榮譽） 工學士	(Honours) in Food Science and Safety 食品科學及安全（榮譽） 理學士
Title of Qualification(s) [Exit Award(s)]	Bachelor of Engineering (Honours) in Building Services Engineering 屋宇設備工程（榮譽） 工學士	Bachelor of Science (Honours) in Food Science and Safety 食品科學及安全（榮譽） 理學士
Primary Area of Study and Training	Engineering and Technology	Sciences
Sub-area (Primary Area of Study and Training)	Other Engineering, Related Technology and Services	Life Sciences
Other Area of Study and Training	Not applicable	Medicine, Dentistry and Health Sciences
Sub-area (Other Area of Study and Training)	Not applicable	Nutritional Studies
Industry	Electrical and Mechanical Services	Not applicable
Branch	Not applicable	
QF Level	Level 5	
QF Credits	554	
Mode(s) of Delivery and Programme Length	Full-time, 4 years Part-time, 4 years (for advanced standing only)	Full-time, 4 years
Intermediate Exit Award(s)	Title of Qualification: Higher Diploma in Building Services Engineering 屋宇設備工程高級文憑 QF Level: Level 4 QF Credits: 315 Attainment: Completion of 5 semesters in full-time mode	Title of Qualification: Higher Diploma in Food Science and Safety 食品科學及安全高級文憑 QF Level: Level 4 QF Credits: 315 Attainment: Completion of 5 semesters in full-time mode

Start Date of Validity Period	1 September 2020	
End Date of Validity Period	31 August 2025	
Number of Enrolment(s)	One enrolment per year	
Maximum Number of New Students	Full-time Year 1 entry: 66 per year Advanced Standing entry to Year 3 of 4-year full-time mode: 100 per year Advanced Standing entry to Year 5 of 8-year part- time mode: 30 per year	Full-time Year 1 entry: 66 per year Full-time Year 3 entry: 33 per year
Specification of Competency Standards-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Vocational Qualifications Pathway Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Address of Teaching / Training Venue(s)	Technological and Higher Education Institute of Hong Kong (Tsing Yi Campus) 20A Tsing Yi Road, Tsing Yi Island, New Territories, Hong Kong Technological and Higher Education Institute of Hong Kong (Chai Wan Campus) 133 Shing Tai Road, Chai Wan, Hong Kong	

2.4 Recommendations

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

BSE and FSS

- 2.4.1 The Operator should keep under review the effectiveness of the mechanism in dealing with the admission of students without a strong background in mathematics and physics (for BSE) / chemistry and biology (for FSS).

BSE

- 2.4.2 The Operator should consider refining the curriculum to cover topics on areas that are important to the local building services industry, including building telecommunication network and data centre engineering.
- 2.4.3 The Operator should keep under review the stability of the teaching staff to ensure the continuity of the development and improvement of the Programme.
- 2.4.4 The Operator should take actions to ensure that all new teaching staff, including part-time staff, on joining the Programme will be appropriately prepared and will have continuing mentorship provided for the delivery of the Programme.
- 2.4.5 The Operator should take appropriate actions to ensure that HKCAAVQ's procedures will be followed before implementing any further substantial changes to the Programme.

FSS

- 2.4.6 The Operator should review the curriculum to support Year 3 entrants so that they can achieve performance comparable to Year 1 entrants.
- 2.4.7 The Operator should take actions to ensure the currency of the reference texts and teaching materials.
- 2.5 HKCAAVQ will subsequently satisfy itself whether the Operator remains competent to achieve the relevant objectives and the Programmes continue 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 The Technological and Higher Education Institute of Hong Kong (THEi) was established in 2012 as a member institution of the Vocational Training Council (VTC). THEi mainly operates local self-financed bachelor degree programmes and was granted Institutional Review status by HKCAAVQ in September 2012. As of March 2020, it has 23

bachelor degree programmes, 5 professional diploma programmes, and 4 professional certificate programmes accredited by HKCAAVQ.

- 3.2 THEi commissioned HKCAAVQ to conduct learning programme re-accreditation (Re-LPA) of the Bachelor of Engineering (Honours) in Building Services Engineering programme (BSE) and the Bachelor of Science (Honours) in Food Science and Safety programme (FSS) which were both accredited initially in 2015.
- 3.3 In view of the outbreak of the Coronavirus Disease-2019 (COVID-19), the site visit was conducted by the Panel via video-conference on 16-18 March 2020 to reduce social contact. HKCAAVQ's *Manual for the Four-stage Quality Assurance Process under the Hong Kong Qualifications Framework (Version 1.1, April 2019)* was the guiding documents for THEi and the Panel in conducting this exercise.

4. Programmes Details

The following programme information is provided by the operator.

4.1 Programme Objectives

BSE

- PO1: Equip students with solid fundamental knowledge of science and engineering that will prepare them for professional careers in the building services engineering industry;
- PO2: Train students with the abilities to apply theoretical engineering knowledge to professional practice and the solution of complex contemporary problems;
- PO3: Train and develop students with professional skills in the design, operation, testing and maintenance of building services systems and with independent problem-solving skills, as well as good communication skills, so that they can work effectively in a multi-disciplinary project;
- PO4: Strengthen students' commitment to understand the importance of integrity, ethical and societal considerations, including those related to health, safety and environmental sustainability; and

PO5: Build up students' leadership with national and international perspectives in the professional building services engineering and with a lifelong learning attitude.

FSS

PO1: To equip students with fundamental and up-to-date knowledge and skills in food science and food safety so as to help students embark on a career in the food industry and prepare themselves to assume leadership roles in the profession;

PO2: To develop students' professional competence in food science and nutrition, food safety, food engineering, and management in food science, and their communication and teamwork skills for the provision of safe and high-quality food to society;

PO3: To develop students' abilities to appreciate how scientific, economic, legal and ethical factors have influenced considerations in the food science and food safety disciplines;

PO4: To develop students' abilities to integrate and apply food science and food safety knowledge and skills to identify and solve problems related to the food industry; and

PO5: To strengthen students' abilities to keep abreast of developments in the profession and to pursue independent and lifelong learning.

4.2 Programme Learning Outcomes

BSE

PLO1: Apply knowledge of mathematics, science and engineering fundamentals to the solutions and practices of building services engineering;

PLO2: Identify, formulate and solve building services engineering problems in HVAC, electrical systems, fire detection and protection, indoor environments, energy efficiency, plumbing and drainage, building operation and maintenance, facilities management and building sustainable development, and other building services systems;

PLO3: Design various building services systems using modern engineering and IT tools, physical, engineering analysis and appropriate green building design and industrial practices along with an understanding of their processes and limitations;

- PLO4: Conduct investigations and devise solutions for building services problems using functional knowledge, including design of experiments, analysis and interpretation of data, and synthesis of knowledge throughout the life cycle of a building;
- PLO5: Apply technical competency to solve real world engineering problems associated with the project cycle within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability, and exercise judgment through application of project management principles and skills;
- PLO6: Communicate effectively about complex building services engineering activities with the profession and with society at large, and work effectively as members or leaders in multi-disciplinary professional teams; and
- PLO7: Develop professional and ethical responsibilities with lifelong learning attitude and stay abreast of contemporary and international issues and be aware of the impact of engineering solutions in a global and societal context, especially the importance of health, safety, financial, legal, and environmental considerations for benefitting society in an all-round manner.

FSS

- PLO1: Apply fundamental and up-to-date knowledge and skills in food science and food safety to maintain and improve the operations in the food industry;
- PLO2: Evaluate existing food quality and safety issues and propose feasible solutions for improvement;
- PLO3: Make professional judgment and develop tailor-made strategies to meet the needs of safe food processing, food production and catering;
- PLO4: Conduct research in food science and food safety and be skilled at accessing, critically appraising and applying the best available solution to everyday practice for handling various food-related issues;
- PLO5: Communicate effectively and professionally with different stakeholders in the food industry;

PLO6: Demonstrate integrity and ethical conduct in professional practice in fulfilment of personal and social responsibility for achieving personal and/or organisational outcomes; and

PLO7: Reflect on personal career goals for continuous professional development and lifelong learning.

4.3 Programme Structure

4.3.1 The Programmes are 4-year full-time bachelor degree programmes with BSE also offers a part-time mode of study. The Programmes comprise 132 Institute Credit Points (CPs) which are equivalent to 554 QF Credits. BSE has 46 modules, including 2 non-credit bearing Work-Integrated Learning (WIL) modules. FSS has 44 modules, including 1 WIL module.

4.3.2 The Programmes have two main categories of modules, namely the General Education (GE) modules and the Industry/Profession-Specific (IPS) modules. The table below shows the distribution of the GE modules, which is the same for both Programmes, and the distributions of IPS modules of BSE and FSS.

Module Type		Year 1 & 2 CPs		Year 3 & 4 CPs		No. of Modules	CPs	
		QF L4	QF L5	QF L4	QF L5		No.	%
BSE and FSS								
GE Modules	GE Core (English)	3	-	-	6	3	9	27.3%
	GE Core (Chinese)	3	-	-	3	2	6	
	GE Core	9	-	-	-	3	9	
	GE Elective	-	6	-	6	4	12	
BSE								
IPS Modules	Programme Core	27	21	-	39	29	87	72.7%
	Programme Elective	-	-	-	9	3	9	
	WIL	Nil*	-	Nil*	-	2	Nil*	
Total		69 (52%)		63 (48%)		46	132 (100%)	

FSS

IPS Modules	Programme Core	36	9	-	45	29	90	72.7%
	Programme Electives	-	-	-	6	2	6	
	WIL	-	-	Nil*	-	1	Nil*	
Total		66 (50%)		66 (50%)		44	132 (100%)	

*WIL modules are non-credit bearing

4.3.3 Students can choose to exit the Programmes with a Higher Diploma (HD) award after the completion of the first two years of study plus another semester, the Year 2 Summer Semester and Year 3 Semester One respectively for BSE and FSS. The intermediate exit awards comprise 75 CPs and two non-credit bearing modules E-learning package: English for Workplace Communication and WIL.

4.4 Graduation Requirements

BSE

- An achievement of 132 Institute Credit Points (CPs) from the IPS and GE modules and with the completion of two non-credit bearing Work-Integrated Learning (WIL) modules.

FSS

- An achievement of 132 Institute Credit Points (CPs), with the completion of a non-credit bearing Work-Integrated Learning (WIL) module. In addition, a pass in all compulsory and required elective modules is required.

4.5 Admission Requirements

- Minimum admission requirements for the standard and non-standard entry routes to Year 1 THEi's degree programmes:

Standard Entry Route		Non-Standard Entry Route
Local Qualification	Non-local Qualification	
<u>HKDSE</u> Level 3 in <ul style="list-style-type: none"> Chinese Language English Language Level 2 in <ul style="list-style-type: none"> Mathematics Liberal Studies 1 Elective Subject or an 	<u>Mainland China</u> <ul style="list-style-type: none"> A score for admission to Mainland 2nd-tier universities in the National College Entrance Examination (全國普通高等學校統一招生考試) (NCEE) or equivalent; and A score above 100 out of a maximum of 150 for the 	<ul style="list-style-type: none"> To be determined by the Faculty Dean on a case-by-case basis

<p>Applied Learning (ApL) Subject[#]</p> <p>[#] An “Attained” in a relevant ApL subject is regarded as equivalent to an Elective Subject at Level 2.</p> <p><u>HKALE</u></p> <ul style="list-style-type: none"> • Grade E in HKALE (AS-Level) Chinese Language & Culture or A-Level Chinese Literature or Grade D in an HKCEE language other than Chinese and English, and • Grade E in HKALE (AS-Level) Use of English; and • Grade E in 1 HKALE A-Level or 2 other AS-Level subjects; and • Grade E / Level 2 in 5 HKCEE subjects, including English Language and Chinese Language 	<p>English Language</p> <p><u>International Baccalaureate (IB)</u></p> <ul style="list-style-type: none"> • Holder of an International Baccalaureate Diploma; and • One of the following English Language results: <ul style="list-style-type: none"> - Grade 4 or above in IB English A1 or A2 (Higher or Standard Level); or - Grade 4 or above in IB English B (Higher Level); or - Grade 5 or above in IB English B (Standard Level); or - Grade 4 or above in IB English A: Language and Literature (Higher or Standard Level); or - Grade 4 or above in IB English A: Literature (Higher or Standard Level); or - Grade 4 or above in IB English Literature and Performance (Standard Level). <p><u>Business and Technology Education Council (BTEC)</u></p> <ul style="list-style-type: none"> • Holder of a BTEC Level 3 Diploma of “MM” Grades or a BTEC Level 3 Extended Diploma of “MPP” Grades*; and • Grade C / Grade 4 or above in IGCSE English Language or English as a Second Language. <p><i>“M” stands for Merit and “P” stands for Pass</i></p> <p><u>Other Non-local Qualifications</u></p> <ul style="list-style-type: none"> • Equivalent HKDSE qualifications, achieving a standard of English equivalent to the HKDSE’s English Language Level 3 	
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Admission into Full-time Year 3 / Part-time Year 5* of the Institute's Undergraduate Bachelor's Degree Programmes
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Applicants with a VTC HD or equivalent sub-degree qualifications/studies in the relevant streams may be admitted into Year 3 of full-time mode and Year 5 of part-time mode* of the degree programme, if they pass an interview to assess their suitability.
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*admission to Year 5 of part-time mode does not apply to FSS.

- Programme-specific entry requirements:

BSE

If the Elective Subject (HKDSE) (stipulated in the table above) is not Physics / Chemistry / Biology / Combined or Integrated Science, then Mathematics Extended Part (Module 1 or 2) must be at Level 2 or above, and relevant Applied Learning (ApL) subjects include Automotive Technology, Aviation Studies, Electrical and Energy Engineering.

FSS

For HKDSE qualifications, a maximum of two relevant Applied Learning (ApL) subjects can be counted for admission purpose. Examples of relevant ApL subjects include: Food and Beverage Operations, Western Cuisine.

4.6 Teaching and Learning Activities

The Programmes have employed various teaching and learning activities, such as lectures, tutorials, seminars, practices/laboratories, field trips/site visits, industrial attachment, and projects.

BSE

The Programme has two non-credit bearing Work-Integrated Learning (WIL) modules.

FSS

The Programme has one non-credit bearing Work-Integrated Learning (WIL) module.

4.7 Graduate Profile

- Please refer to Appendix.

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 QF.

Report No.: 20/61

File Reference: 72/34/02; 72/36/03

Graduate Profile of the Bachelor of Engineering (Honours) in Building Services Engineering programme

Qualification Title	Bachelor of Engineering (Honours) in Building Services Engineering 屋宇設備工程（榮譽）工學士
Qualification Type	Bachelor Degree
QF Level	Level 5
Primary Area of Study and Training	A06 Engineering and Technology
Sub-area (Primary Area of Study and Training)	A0606 Other Engineering, Related Technology and Services
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Programme Objectives	<p>PO1: Equip students with solid fundamental knowledge of science and engineering that will prepare them for professional careers in the building services engineering industry;</p> <p>PO2: Train students with the abilities to apply theoretical engineering knowledge to professional practice and the solution of complex contemporary problems;</p> <p>PO3: Train and develop students with professional skills in the design, operation, testing and maintenance of building services systems and with independent problem-solving skills, as well as good communication skills, so that they can work effectively in a multi-disciplinary project;</p> <p>PO4: Strengthen students' commitment to understand the importance of integrity, ethical and societal considerations, including those related to</p>

	<p>health, safety and environmental sustainability; and</p> <p>PO5: Build up students' leadership with national and international perspectives in the professional building services engineering and with a lifelong learning attitude.</p>
<p>Programme Intended Learning Outcomes</p>	<p>PLO1: Apply knowledge of mathematics, science and engineering fundamentals to the solutions and practices of building services engineering;</p> <p>PLO2: Identify, formulate and solve building services engineering problems in HVAC, electrical systems, fire detection and protection, indoor environments, energy efficiency, plumbing and drainage, building operation and maintenance, facilities management and building sustainable development, and other building services systems;</p> <p>PLO3: Design various building services systems using modern engineering and IT tools, physical, engineering analysis and appropriate green building design and industrial practices along with an understanding of their processes and limitations;</p> <p>PLO4: Conduct investigations and devise solutions for building services problems using functional knowledge, including design of experiments, analysis and interpretation of data, and synthesis of knowledge throughout the life cycle of a building;</p> <p>PLO5: Apply technical competency to solve real world engineering problems associated with the project cycle within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability, and exercise judgment through application of project management principles and skills;</p> <p>PLO6: Communicate effectively about complex building services engineering activities with the profession and with society at large, and work effectively as members or leaders in multi-disciplinary professional teams; and</p> <p>PLO7: Develop professional and ethical responsibilities with lifelong learning attitude and stay abreast of contemporary and international issues and be aware of the impact of engineering solutions in a global and societal context, especially the importance of health, safety, financial, legal and environmental considerations for benefitting society in an all-round manner.</p>

Education Pathways	Graduates will have the opportunities to further their studies in a taught or research postgraduate programme.										
Employment Pathways	The Programme is to prepare graduates for professional careers such as graduate / assistant engineers in BSE consulting firms and contractor companies, technical officers in facilities management companies and government departments, assistant building services coordinators in construction firms, and assistant project engineers in property developers.										
Minimum Admission Requirements	<p>The Programme follows the admission requirements of THEi's Degree Programmes as follows:</p> <table border="1" data-bbox="357 674 1501 2011"> <thead> <tr> <th colspan="2" data-bbox="357 674 1241 719">Standard Entry Route</th> <th data-bbox="1241 674 1501 757" rowspan="2">Non-Standard Entry Route</th> </tr> <tr> <th data-bbox="357 719 794 757">Local Qualification</th> <th data-bbox="794 719 1241 757">Non-local Qualification</th> </tr> </thead> <tbody> <tr> <td data-bbox="357 757 794 2011"> <p><u>HKDSE</u> Level 3 in</p> <ul style="list-style-type: none"> • Chinese Language • English Language <p>Level 2 in</p> <ul style="list-style-type: none"> • Mathematics • Liberal Studies • 1 Elective Subject or an Applied Learning (ApL) Subject[#] <p>[#] An "Attained" in a relevant ApL subject is regarded as equivalent to an Elective Subject at Level 2.</p> <p><u>HKALE</u></p> <ul style="list-style-type: none"> • Grade E in HKALE (AS-Level) Chinese Language & Culture or A-Level Chinese Literature or Grade D in an HKCEE language other than Chinese and English, and • Grade E in HKALE (AS-Level) Use of English; and • Grade E in 1 HKALE A-Level or 2 other AS-Level subjects; and • Grade E / Level 2 in 5 HKCEE subjects, including English Language and Chinese Language </td> <td data-bbox="794 757 1241 2011"> <p><u>Mainland China</u></p> <ul style="list-style-type: none"> • A score for admission to Mainland 2nd-tier universities in the National College Entrance Examination (全國普通高等學校統一招生考試) (NCEE) or equivalent; and • A score above 100 out of a maximum of 150 for the English Language <p><u>International Baccalaureate (IB)</u></p> <ul style="list-style-type: none"> • Holder of an International Baccalaureate Diploma; and • One of the following English Language results: <ul style="list-style-type: none"> - Grade 4 or above in IB English A1 or A2 (Higher or Standard Level); or - Grade 4 or above in IB English B (Higher Level); or - Grade 5 or above in IB English B (Standard Level); or - Grade 4 or above in IB English A: Language and Literature (Higher or Standard Level); or - Grade 4 or above in IB English A: Literature (Higher or Standard Level); or - Grade 4 or above in IB English Literature and </td> <td data-bbox="1241 757 1501 2011"> <ul style="list-style-type: none"> • To be determined by the Faculty Dean on a case-by-case basis </td> </tr> </tbody> </table>			Standard Entry Route		Non-Standard Entry Route	Local Qualification	Non-local Qualification	<p><u>HKDSE</u> Level 3 in</p> <ul style="list-style-type: none"> • Chinese Language • English Language <p>Level 2 in</p> <ul style="list-style-type: none"> • Mathematics • Liberal Studies • 1 Elective Subject or an Applied Learning (ApL) Subject[#] <p>[#] An "Attained" in a relevant ApL subject is regarded as equivalent to an Elective Subject at Level 2.</p> <p><u>HKALE</u></p> <ul style="list-style-type: none"> • Grade E in HKALE (AS-Level) Chinese Language & Culture or A-Level Chinese Literature or Grade D in an HKCEE language other than Chinese and English, and • Grade E in HKALE (AS-Level) Use of English; and • Grade E in 1 HKALE A-Level or 2 other AS-Level subjects; and • Grade E / Level 2 in 5 HKCEE subjects, including English Language and Chinese Language 	<p><u>Mainland China</u></p> <ul style="list-style-type: none"> • A score for admission to Mainland 2nd-tier universities in the National College Entrance Examination (全國普通高等學校統一招生考試) (NCEE) or equivalent; and • A score above 100 out of a maximum of 150 for the English Language <p><u>International Baccalaureate (IB)</u></p> <ul style="list-style-type: none"> • Holder of an International Baccalaureate Diploma; and • One of the following English Language results: <ul style="list-style-type: none"> - Grade 4 or above in IB English A1 or A2 (Higher or Standard Level); or - Grade 4 or above in IB English B (Higher Level); or - Grade 5 or above in IB English B (Standard Level); or - Grade 4 or above in IB English A: Language and Literature (Higher or Standard Level); or - Grade 4 or above in IB English A: Literature (Higher or Standard Level); or - Grade 4 or above in IB English Literature and 	<ul style="list-style-type: none"> • To be determined by the Faculty Dean on a case-by-case basis
Standard Entry Route		Non-Standard Entry Route									
Local Qualification	Non-local Qualification										
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		<p>Performance (Standard Level).</p> <p><u>Business and Technology Education Council (BTEC)</u></p> <ul style="list-style-type: none"> • Holder of a BTEC Level 3 Diploma of “MM” Grades or a BTEC Level 3 Extended Diploma of “MPP” Grades*; and • Grade C / Grade 4 or above in IGCSE English Language or English as a Second Language. <p><i>“M” stands for Merit and “P” stands for Pass</i></p> <p><u>Other Non-local Qualifications</u></p> <ul style="list-style-type: none"> • Equivalent HKDSE qualifications, achieving a standard of English equivalent to the HKDSE’s English Language Level 3 	
<p>Admission into Full-time Year 3 / Part-time Year 5 of the Institute’s Undergraduate Bachelor’s Degree Programmes</p>			
<p>Applicants with a VTC HD or equivalent sub-degree qualifications/studies in the relevant streams may be admitted into Year 3 of full-time mode and Year 5 of part-time mode of the degree programme, if they pass an interview to assess their suitability.</p>			
<p>The programme-specific entry requirements are as follows:</p>			
<ul style="list-style-type: none"> • If the Elective Subject (HKDSE) (stipulated in the table above) is not Physics / Chemistry / Biology / Combined or Integrated Science, then Mathematics Extended Part (Module 1 or 2) must be at Level 2 or above, and relevant Applied Learning (ApL) subjects include Automotive Technology, Aviation Studies, Electrical and Energy Engineering. 			
<p>Operator</p>	<p>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</p>		

Graduate Profile of the Bachelor of Science (Honours) in Food Science and Safety programme

Qualification Title	Bachelor of Science (Honours) in Food Science and Safety 食品科學及安全（榮譽）理學士
Qualification Type	Bachelor Degree
QF Level	Level 5
Primary Area of Study and Training	A12 Sciences
Sub-area (Primary Area of Study and Training)	A1201 Life Sciences
Other Area of Study and Training	A11 Medicine, Dentistry and Health Sciences
Sub-area (Other Area of Study and Training)	A1105 Nutritional Studies
Programme Objectives	<p>PO1: To equip students with fundamental and up-to-date knowledge and skills in food science and food safety so as to help students embark on a career in the food industry and prepare themselves to assume leadership roles in the profession;</p> <p>PO2: To develop students' professional competence in food science and nutrition, food safety, food engineering, and management in food science, and their communication and teamwork skills for the provision of safe and high-quality food to society;</p> <p>PO3: To develop students' abilities to appreciate how scientific, economic, legal and ethical factors have influenced considerations in the food science and food safety disciplines;</p> <p>PO4: To develop students' abilities to integrate and apply food science and food safety knowledge and skills to identify and solve problems related to the food industry; and</p>

	PO5: To strengthen students' abilities to keep abreast of developments in the profession and to pursue independent and lifelong learning.								
Programme Intended Learning Outcomes	<p>PLO1: Apply fundamental and up-to-date knowledge and skills in food science and food safety to maintain and improve the operations in the food industry;</p> <p>PLO2: Evaluate existing food quality and safety issues and propose feasible solutions for improvement;</p> <p>PLO3: Make professional judgment and develop tailor-made strategies to meet the needs of safe food processing, food production and catering;</p> <p>PLO4: Conduct research in food science and food safety and be skilled at accessing, critically appraising and applying the best available solution to everyday practice for handling various food-related issues;</p> <p>PLO5: Communicate effectively and professionally with different stakeholders in the food industry;</p> <p>PLO6: Demonstrate integrity and ethical conduct in professional practice in fulfilment of personal and social responsibility for achieving personal and/or organisational outcomes; and</p> <p>PLO7: Reflect on personal career goals for continuous professional development and lifelong learning.</p>								
Education Pathways	Graduates will have the opportunities to further their studies in a taught or research postgraduate programme.								
Employment Pathways	Graduates may take up the following duties in the food industry, such as product development, research and technical support. They may also work in government or related agencies enforcing food sanitation and ensuring the safety of food supply and distribution.								
Minimum Admission Requirements	<p>The Programme follows the admission requirements of THEi's Degree Programmes as follows:</p> <table border="1"> <thead> <tr> <th colspan="2">Standard Entry Route</th> <th rowspan="2">Non-Standard Entry Route</th> </tr> <tr> <th>Local Qualification</th> <th>Non-local Qualification</th> </tr> </thead> <tbody> <tr> <td> <u>HKDSE</u> Level 3 in <ul style="list-style-type: none"> Chinese Language English Language </td> <td> <u>Mainland China</u> <ul style="list-style-type: none"> A score for admission to Mainland 2nd-tier universities in the National College Entrance Examination (全國) </td> <td> <ul style="list-style-type: none"> To be determined by the Faculty Dean on a case-by-case </td> </tr> </tbody> </table>	Standard Entry Route		Non-Standard Entry Route	Local Qualification	Non-local Qualification	<u>HKDSE</u> Level 3 in <ul style="list-style-type: none"> Chinese Language English Language 	<u>Mainland China</u> <ul style="list-style-type: none"> A score for admission to Mainland 2nd-tier universities in the National College Entrance Examination (全國) 	<ul style="list-style-type: none"> To be determined by the Faculty Dean on a case-by-case
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	<p>Level 2 in</p> <ul style="list-style-type: none"> • Mathematics • Liberal Studies • 1 Elective Subject or an Applied Learning (ApL) Subject[#] <p>[#] An “Attained” in a relevant ApL subject is regarded as equivalent to an Elective Subject at Level 2.</p> <p><u>HKALE</u></p> <ul style="list-style-type: none"> • Grade E in HKALE (AS-Level) Chinese Language & Culture or A-Level Chinese Literature or Grade D in an HKCEE language other than Chinese and English, and • Grade E in HKALE (AS-Level) Use of English; and • Grade E in 1 HKALE A-Level or 2 other AS-Level subjects; and • Grade E / Level 2 in 5 HKCEE subjects, including English Language and Chinese Language 	<p>普通高等學校統一招生考試) (NCEE) or equivalent; and</p> <ul style="list-style-type: none"> • A score above 100 out of a maximum of 150 for the English Language <p><u>International Baccalaureate (IB)</u></p> <ul style="list-style-type: none"> • Holder of an International Baccalaureate Diploma; and • One of the following English Language results: <ul style="list-style-type: none"> - Grade 4 or above in IB English A1 or A2 (Higher or Standard Level); or - Grade 4 or above in IB English B (Higher Level); or - Grade 5 or above in IB English B (Standard Level); or - Grade 4 or above in IB English A: Language and Literature (Higher or Standard Level); or - Grade 4 or above in IB English A: Literature (Higher or Standard Level); or - Grade 4 or above in IB English Literature and Performance (Standard Level). <p><u>Business and Technology Education Council (BTEC)</u></p> <ul style="list-style-type: none"> • Holder of a BTEC Level 3 Diploma of “MM” Grades or a BTEC Level 3 Extended Diploma of “MPP” Grades*; and • Grade C / Grade 4 or above in IGCSE English Language or English as a Second Language. <p><i>“M” stands for Merit and “P” stands for Pass</i></p> <p><u>Other Non-local Qualifications</u></p> <ul style="list-style-type: none"> • Equivalent HKDSE qualifications, achieving a standard of English 	<p>basis</p>
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	Admission into Full-time Year 3 of the Institute's Undergraduate Bachelor's Degree Programmes		
	Applicants with a VTC HD or equivalent sub-degree qualifications/studies in the relevant streams may be admitted into Year 3 of full-time mode of the degree programme, if they pass an interview to assess their suitability.		
	<p>Note: For HKDSE qualifications, a maximum of two relevant Applied Learning (ApL) subjects can be counted for admission purpose. Examples of relevant ApL subjects include: Food and Beverage Operations, Western Cuisine.</p>		
Operator	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		