INFORMATION TECHNOLOGY

AUSTRALIA
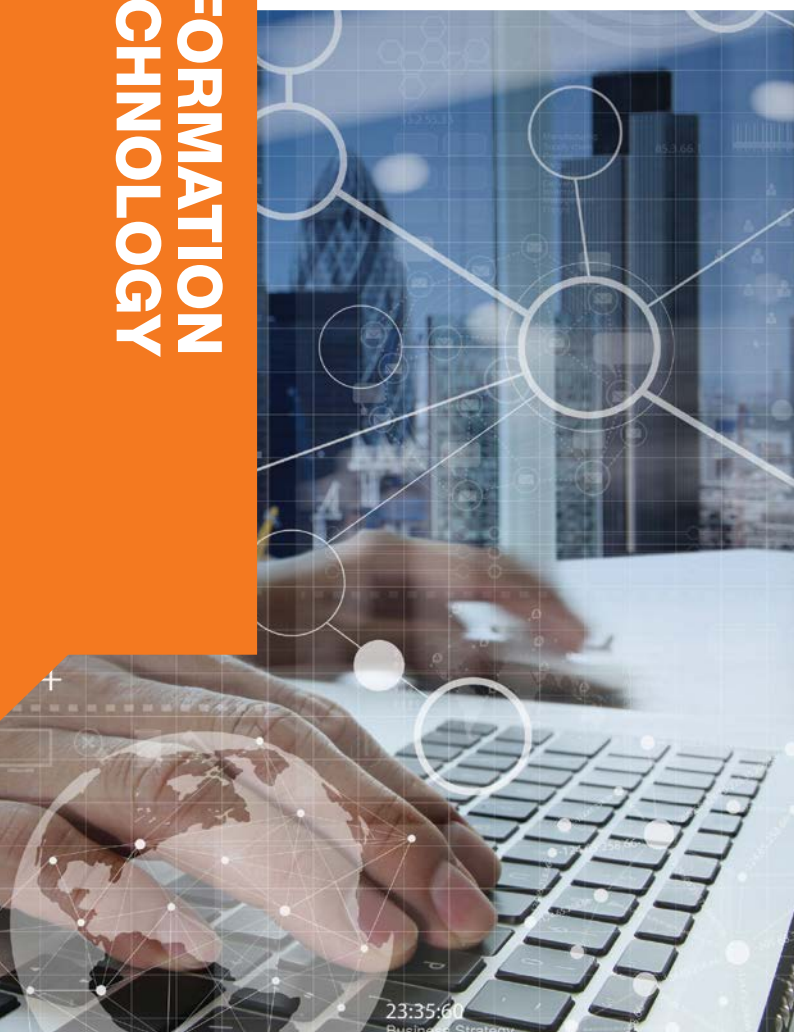ECU
EDITH COWAN
UNIVERSITY

Bachelor of Science (Cyber Security)
網絡安全理學士

HKDSE / IB

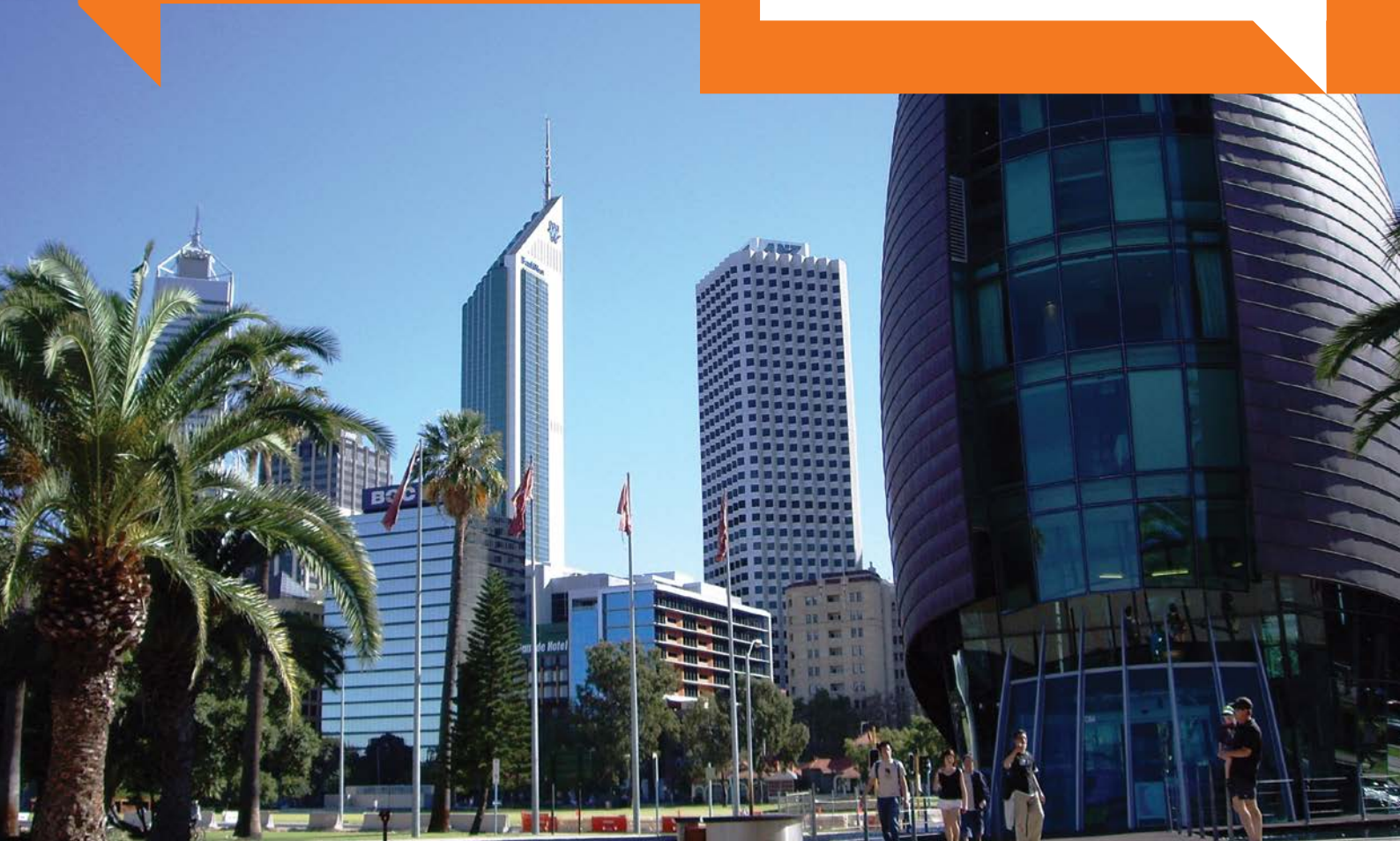NEW

HIGH EMPLOYABILITY

2020/21
Full-time Undergraduate Programme
全日制大學學位課程

for HKDSE/IB/AD/HD Graduates
專為香港中學文憑試/國際文憑課程/副學士/
高級文憑畢業生而設

Credit Exemption for AD/HD Graduates*
副學士/高級文憑畢業生可獲學分豁免*
(*on case by case basis 按個別情況而定)

HKU SPACE
INTERNATIONAL COLLEGE
香港大學專業進修學院
國際學院

Edith Cowan University
伊迪斯科文大學

Bachelor of Science (Cyber Security)
網絡安全理學士

NEW

Established in 1991, Edith Cowan University (ECU) has grown rapidly into a high-quality university with excellent student satisfaction and internationally recognised research. ECU is committed to widening participation and breaking down barriers that restrict entry to education, and they are continuing to work on the enhancement and development of alternative entry pathways to higher education.

ECU has more than 30,000 undergraduate and postgraduate students. They annually welcome close to 6,000 international students, originating from more than 100 countries. Their eight schools collectively deliver more than 250 diverse programmes across Medical & Health Sciences, Engineering, Education, Arts & Humanities, Business & Law, Nursing & Midwifery, Science and the Western Australian Academy of Performing Arts. These programmes have a strong emphasis on practical skills in the laboratory or field, and they provide students with as many opportunities as possible to practice these skills in real world projects or scenarios. Students and graduates at ECU are amongst the best in the world, with many fulfilling crucial roles in the society. Their outstanding achievements have been recognised throughout Australia and internationally through awards, grants, scholarships and prizes.

The Bachelor of Science (Cyber Security) programme aims to provide students with the practical and theoretical dimensions of IT security across a range of fundamental areas, such as network security and vulnerability assessment, information security, digital forensics, wireless device security and database security.

Students will gain a solid grounding in conventional computer and network security concepts and skills. In addition, the course is designed to meet the changing landscape of secure computing, which involves not only computers, but also telecommunications networks and network enabled devices such as smartphones and tablet devices.

Programme Highlights
- Applying comprehensive knowledge of concepts, principles and techniques in the cyber security discipline;

- Exploring various digital technologies and cyber security software tools for assessing and evaluating cyber security information; and

- High-quality teaching delivered by specialist staff through a variety of teaching methods and activities.

Programme Structure

This programme consists of 23 modules (15 credits each, except for Applied Project with 30 credits). Students who complete all modules (360 credits) will obtain the Bachelor of Science (Cyber Security).

Year of Study	Module Title
Year 1	1. Professional Science Essentials
	2. Programming Principles
	3. Mathematics for Computing
	4. Systems Analysis
	5. Applied Communications
	6. Computer Security
	7. Computer Fundamentals
	8. Systems and Database Design
Year 2	9. Cryptographic Concepts
	10. Introduction to Information Warfare
	11. Scripting Languages
	12. Information Security
	13. Network Security Fundamentals
	14. Project Methods and Professionalism
	15. Software Reverse Engineering
	16. Computer Forensics
Year 3	17. Ethical Hacking and Defence
	18. Data Analysis and Visualisation
	19. IT Security Management
	20. Wireless Security
	21. Applied Project
	22. Application Development
	23. Threat Detection Systems

Notes:
The above programme structure is intended for use as a guide to prospective students. HKU SPACE and Edith Cowan University reserve the right to vary the structure.

Students may attend classes for some modules in weekday evenings and/or weekends.

Bachelor of Science (Cyber Security), CRICOS Course Code: 077146A
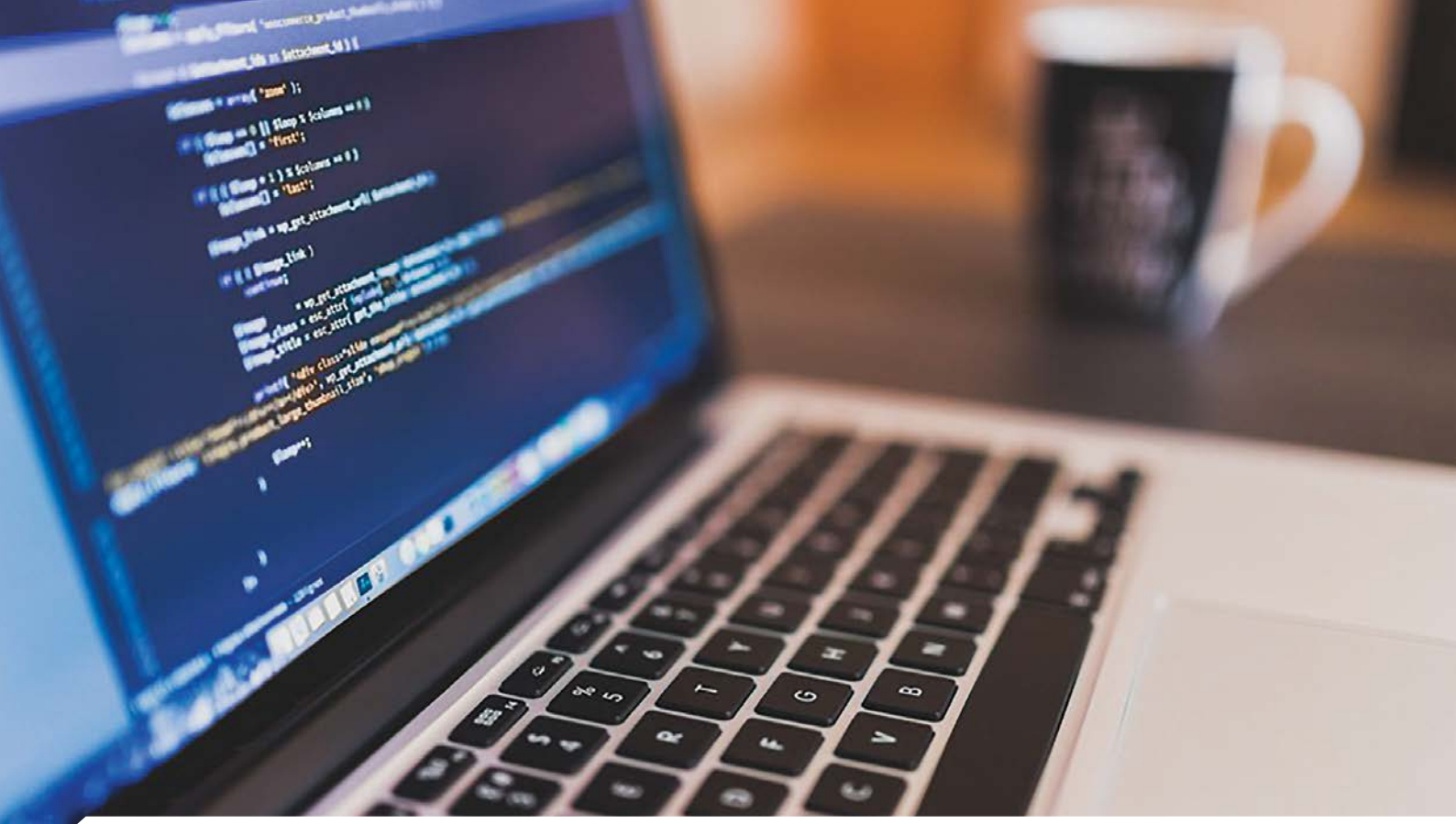
Entry Requirements

1. For entry to Year 1, applicants shall:

   i) have an aggregate of 15 points in the Hong Kong Diploma of Secondary Education (HKDSE), made up of the best 5 subjects with a minimum of 2 core subjects, all at level 3 or above, and excluding any category B subjects; *or*

   ii) hold an equivalent academic qualification approved by Edith Cowan University.

2. For direct entry to Year 2, applicants shall:

   i) hold a Higher Diploma in Information Security / Higher Diploma in Information Technology / an Associate Degree of Engineering (Computer Science Theme / Computer Engineering Theme) awarded within the HKU system through HKU SPACE; *or*

   ii) hold an equivalent academic qualification approved by Edith Cowan University.

Applicants in 1 ii) and 2 ii) shall demonstrate English proficiency if their first language is not English with:

   i) GCE O levels at Grade C; *or*

   ii) an overall IELTS 6.0 with no individual band less than 6.0; *or*

   iii) a score of 550 in the paper-based TOEFL; *or*

   iv) other evidence of English language proficiency accepted by Edith Cowan University.

Note: Applicants may be required to attend an interview and/or take an English test. Applicants with relevant work experience will be considered on individual merit.

Duration of Study and Award
Year 1 entry: 3 years
Year 2 entry: 2 years
With full exemptions granted, students can complete the programme in 2 years.

This programme confers offshore degrees carrying the same academic status and recognition as that offered to Edith Cowan University on-campus graduates.

Students are expected to graduate from the registered programme of study upon satisfactory completion of all stated modules and the project, and they will be awarded the **Bachelor of Science (Cyber Security)** from Edith Cowan University.

Teaching Mode
HKU SPACE is responsible for teaching various modules and delivering the project through consultations, tutorials and workshops. Teaching methods include lectures, tutorials, laboratory sessions and individual/group projects. Some modules may be delivered in weekday evenings and/or weekend daytime.

Assessment
All coursework of the programme will be conducted in English.

The mode of assessment is different from module to module but will be generally based on a combination of coursework (including assignments and tests/ projects). Throughout the programme, students will be assessed by a combination of:

- Report Writing
- Oral Presentation
- Individual / Group Project
- Online Tests
- Examinations

Further Studies
Graduates of the Bachelor of Science (Cyber Security) are eligible to apply for MSc Cyber Security (offered by HKU SPACE in collaboration with Manchester Metropolitan University) or other relevant postgraduate programmes.

Tuition Fee
The tuition fee* for 2020/21 intake is HK$180,000 (Year 1 entry); and HK$125,000 (Year 2 entry).

The tuition fee for the 2020/21 intake are:

Year	Tuition Fee (HKD)
Year 1:	HKD 55,000
Year 2:	HKD 60,000
Year 3:	HKD 65,000

* The tuition fee is reviewed annually and is subject to change without prior notice.

Extended Non-means-tested Loan Scheme (ENLS)
Students are eligible to apply for the HKSAR Government's Extended Non-means-tested Loan Scheme (ENLS). The maximum financial assistance under the ENLS is equivalent to the total tuition fee payable to the HKU SPACE in the academic year.

IC Scholarship and Bursaries
A number of IC Scholarships and Bursaries are available for eligible new entrants every year. Please consult programme staff for application information.

Programme Overview

Awarding University	Edith Cowan University
Year of Establishment	1991[†]
Duration	**2 years (Full-time) – for Year 2 Entry; 3 years (Full-time) – for Year 1 Entry**
Full Tuition Fee (2020/21 Intake)	**Year 2 Entry: $125,000 Year 1 Entry: $180,000**
Medium of Instruction	English
Commencement Date	September 2020

[†] The institutional history can be traced back to earlier than its date of establishment as a university.

HKUSPACE
香 港 大 學 專 業 進 修 學 院
HKU School of Professional and Continuing Education