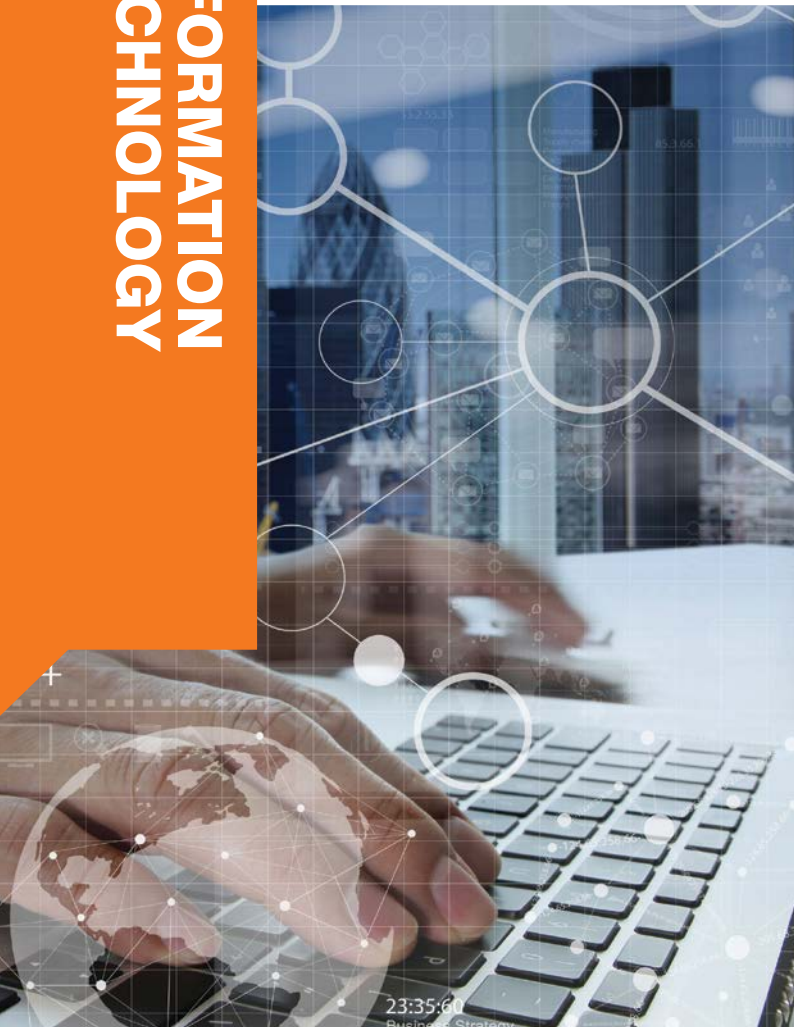


# INFORMATION TECHNOLOGY



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

HKDSE / IB

**NEW**

Course Code: 1945-DP116A  
(CE 68-544-00/11) Year 1 Entry  
(CE 68-545-00/11) Year 2 Entry



## 2021/22

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)





ECU was granted university status in 1991 and today we have more than 31,000 undergraduate and postgraduate students. We also have one of the most diverse student populations in Australia, with around 7,000 international students from more than 100 countries. Our comprehensive and diverse range of degrees have been developed in consultation with industry groups and our teaching staff have extensive industry experience, so you can expect industry-relevant teaching and research in a supportive study environment.

### Computing and Security at ECU

ECU is recognised as a leader in cyber security. Our computing and security courses offer a range of majors to choose from, studying in world class facilities. Our cyber security research and education team is one of the best in Australia and highly respected globally. ECU has been recognised by the Australian Federal Government as one of just two Academic Centres of Cyber Security Excellence in Australia, and the only one in Western Australia. ECU plays a key role in the \$139 million Cyber Security Cooperative Research Centre, which has its Head Office at the ECU Joondalup Campus.

Developing the best computing skills In the latest QILT survey, ECU was ranked Australia's top university for undergraduate skills development in the Computing and Information Systems discipline.\*

\* QILT results are based on hundreds of thousands of surveys completed by students from the 37 public and 4 private universities across Australia. QILT is an annual independent Australian government survey.

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 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 hold:
  - i) 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) 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) will be eligible to apply for MSc Cyber Security and Postgraduate Diploma in IT Forensics (collaborated with HKU SPACE) or other IT-related postgraduate programmes offered by various universities.

## Tuition Fee

The tuition fee\* for 2021/22 intake is HK\$180,000 (Year 1 entry); and HK\$125,000 (Year 2 entry).

**The tuition fee for the 2021/22 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.

## Apply NOW

 <http://hkuspace.hku.hk/ic>

### Programme Enquiries

 2975 5781

 [alice.wong@hkuspace.hku.hk](mailto:alice.wong@hkuspace.hku.hk) (Ms. Alice Wong)

### General Enquiries

 2910 7555  [ic@hkuspace.hku.hk](mailto:ic@hkuspace.hku.hk)

## Programme Overview

**Awarding University** Edith Cowan University

**Year of Establishment** 1991<sup>†</sup>

**Duration** **2 years (Full-time)**  
**– for Year 2 Entry;**  
**3 years (Full-time)**  
**– for Year 1 Entry**

**Full Tuition Fee (2021/22 Intake)** **Year 2 Entry: \$125,000**  
**Year 1 Entry: \$180,000**

**Medium of Instruction** English

**Commencement Date** September 2021

<sup>†</sup> The institutional history can be traced back to earlier than its date of establishment as a university.



Information in this leaflet is subject to change by HKU SPACE IC and Edith Cowan University without prior notice. Please refer to the IC website or contact programme staff for the latest information.

This is an exempted course under the Non-local Higher and Professional Education (Regulation) Ordinance. It is a matter of discretion for individual employers to recognise any qualification to which this course may lead.

HKU SPACE is a non-profit making University company limited by guarantee.