



Curtin University

Dubai

*Bachelor of Science*

# Cyber Security

**The business world and governments run on computers which are subject to constant risk of cyber attacks.**

This course will prepare you for a career in the exciting and fast growing field of Cyber Security. In recent years, cyber-attacks have caused untold damage to businesses and governments and all projections indicate that this will be increasing for the foreseeable future. The greater use of AI and robotics will make cyber security even more crucial as businesses, governments, and individuals come to rely on computerised systems for more and more critical functions.

In this course you will explore Cyber Security from many aspects including securing hardware, networks, operating systems, and data. You will learn about data encryption, cyber forensics, and network intrusion detection by working on real life case studies ensuring that you are career ready when you graduate.

## ABOUT CURTIN UNIVERSITY

Curtin University is an innovative global university with campuses in Australia, Dubai, Singapore, Malaysia, Colombo, and Mauritius. We are known for our high-impact research, strong industry partnerships, and commitment to preparing students for the jobs of the future.

Curtin is ranked in the top one per cent of universities worldwide in the Academic Ranking of World Universities (ARWU) 2025. We are also ranked 183rd in the world for universities by the QS World University Rankings (QSWUR) 2026.

### QS World University Rankings by subject 2024:

- Top 450 – Computer Science and Information Systems



## A TRULY GLOBAL EXPERIENCE

You have the opportunity to pursue any one teaching period at our campus in Perth with no increase in tuition. For further information, please contact Student Service Centre: [studentservicecentre@curtindubai.ac.ae](mailto:studentservicecentre@curtindubai.ac.ae)

**Make tomorrow better.**

[www.curtindubai.ac.ae](http://www.curtindubai.ac.ae)

## COURSE ESSENTIALS

BACHELOR OF SCIENCE IN CYBER SECURITY	
Course prerequisites	Mathematics is essential and calculus is desirable
Indicative cut-off scores	GCE A-Levels: 8 points (minimum 2 subjects)   IB: 29 points   India: CBSE/ICSE - 70% HSC - 71%
English language requirements	12th CBSE - 60%   IGCSE English Language and Literature - C   IBDP - 4   IELTS 6.0, with no band less than 6.0 or equivalent
Course duration	2 years (6 trimesters) or 3 years (6 trimesters)
Intake	January and September
Annual fees*	AED 60,900

\*All fees indicated are inclusive of 5% UAE VAT.

## COURSE STRUCTURE\*

Unix Systems Programming	Database Systems
Unix and C Programming	Data Structures and Algorithms
Programming Design and Implementation	Data Communications and Network Management
Penetration Testing and Defence	Cyber Security- Intrusion Detection System and Incident Handling
Operating Systems	Cyber Security Concepts
Machine Learning	Cyber Crime and Security Enhanced Programming
Linear Algebra and Statistics for Engineers	Computing Topics
Introduction to Software Engineering	Cloud Computing
Integrating Indigenous Science and STEM	Capstone Computing Project 1
Fundamental Concepts of Data Security	Capstone Computing Project 2
Fundamental Concepts of Cryptography	3 Electives

\* These are example progressions. Order of units depends on intake period.

\*As core units may be offered in the May trimester, it is the student's responsibility to ensure they track their progression with Student Services.

## CAREER OPPORTUNITIES

This course can help you become a/an

- IT Security Consultant
- Information Security Analyst
- Security Systems Administrator
- Forensic Computer Analyst

## CONTACT US:

### CURTIN UNIVERSITY DUBAI

Dubai International Academic City  
Blocks 10 - 12, Fourth Floor  
P.O. Box 345031, Dubai, UAE  
Tel: +971 4 245 2500  
Fax: +971 4 243 4218  
Email: [admissions@curtindubai.ac.ae](mailto:admissions@curtindubai.ac.ae)  
Web: [www.curtindubai.ac.ae](http://www.curtindubai.ac.ae)

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