



Curtin University

Dubai

BACHELOR OF SCIENCE

COMPUTING (CYBER SECURITY)

The business world and governments run on computers yet these computers are subject to constant risk of cyber-attack.

This course will prepare you for a career in the exciting 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. In this course you will learn 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.

PROFESSIONAL RECOGNITION AND MEMBERSHIPS

Graduates are eligible for membership in the following professional bodies:

- Australian Computer Society (Professional level accreditation)



ABOUT CURTIN UNIVERSITY

Curtin University is an innovative, global university, with campuses in Australia, Dubai, Singapore, Malaysia 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 2018. We are also ranked 20th in the world for universities under 50 years of age in the QS World University Rankings 2019.

QS World University Rankings by subject 2019:

- Top 350 – 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. You can also pursue the 2- week On Country Program in Perth, equivalent to a 25-credit point unit.

Make tomorrow better.

www.curtindubai.ac.ae

COURSE ESSENTIALS

BACHELOR OF SCIENCE (COMPUTING) – CYBER SECURITY

| | |
|-------------------------------|--|
| Course prerequisites | Mathematics is essential and calculus is desirable |
| Indicative cut-off scores | GCE A-Levels: 5 points (best of 3 subjects) IB: 24 points India: CBSE/ICSE - 60% HSC - 65% |
| English language requirements | IELTS overall band score of 6.0 with a minimum of 6.0 in each band |
| Duration | 3 years full-time |
| Intake | January and September |
| Total tuition* | AED 170,100 or USD 46,603 |

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

COURSE STRUCTURE

| YEAR 1 TEACHING PERIOD 1 | YEAR 1 TEACHING PERIOD 2 |
|---------------------------------------|---|
| Introduction to Software Engineering | Unix and C Programming |
| Science Communications | Data Structures and Algorithms |
| Statistical Data Analysis | Database Systems |
| Object Oriented Program Design | Foundations of Computer Science |
| Linear Algebra 1 | |
| YEAR 2 TEACHING PERIOD 1 | YEAR 2 TEACHING PERIOD 2 |
| Operating Systems | Penetration Testing and Defence |
| Computer Communications | Computing Topics |
| Fundamental Concepts of Cryptography | 2 Elective Units |
| Fundamental Concepts of Data Security | |
| YEAR 3 TEACHING PERIOD 1 | YEAR 3 TEACHING PERIOD 2 |
| Human Computer Interface | Cyber Crime and Security Enhanced Programming |
| Capstone Computing Project 1 | Cyber Security Intrusion Detection System and Incident Handling |
| Cyber Security Concepts | Capstone Computing Project 2 |
| Design and Analysis of Algorithms | Elective Unit |

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

Career opportunities:

This course can help you become a/an

- IT security consultant
- Information security analyst
- Security systems administrator
- Forensic computer analyst

CONTACT US:

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