



# Curtin University

## Dubai

BACHELOR OF SCIENCE

# COMPUTER SYSTEMS AND NETWORKING

Computer systems and network administrators are responsible for the upkeep, configuration and reliable operation of computer networks, which form the backbone of modern information systems.

This course has been designed to help you fully understand computer network design and development technologies so you can pursue career opportunities in this rapidly expanding field. The course integrates current developments in wired and wireless networking, offering a comprehensive view of the industry.

You will develop skills in network design and management, the convergence of IT and telecommunications, embedded systems, computer hardware and software, real-time systems and IT technical support. Your focus will be on the design and support of distributed computer and telecommunications networks.

By the time you graduate, you will have the skills to expand the capabilities of networks already in place and to build new ones.

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

## COURSE ESSENTIALS

### BACHELOR OF SCIENCE IN COMPUTER SYSTEMS AND NETWORKING

Course prerequisites	Mathematics is essential
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
Science Communications	Unix and C Programming
Statistical Data Analysis	Data Structures and Algorithms
Linear Algebra 1	Electronics
Object Oriented Program Design	Computer Systems
Hardware Fundamentals	
YEAR 2 TEACHING PERIOD 1	YEAR 2 TEACHING PERIOD 2
Operating Systems	Microcomputers CSN
Transmission and Interface Design	Embedded Systems Engineering CSN
Fundamental Concepts of Cryptography	Database Systems
Fundamental Concepts of Data Security	Engineering Management CSN
YEAR 3 TEACHING PERIOD 1	YEAR 3 TEACHING PERIOD 2
Wireless Data Networks	Computer Technology Project 2
Distributed Networks	Network Engineering
Computer Technology Project 1	Cyber Crime and Security Enhanced Programming
Data Communications and Network Management	Cyber Security- Intrusion Detection System and Incident Handling

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

## Career Opportunities:

This course can help you become a/an

- IT support specialist
- Telecommunications manager
- Network and system administrator
- Systems analyst

## CONTACT US:

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