



Curtin University

Dubai

BACHELOR OF SCIENCE

COMPUTING (INFORMATION TECHNOLOGY)

Computer scientists, software engineers, programmers and other computing professionals are experts on how technology works and how computing can address even the most complicated and intricate problems.

This course will provide you with the skills and knowledge you need for a successful career in the rapidly evolving information and communications technology industry. In your first year, you will develop your programming skills and study the fundamental theoretical knowledge of computing. Topics covered will include C++, Java, Linux and object oriented programming.

From your second year, you will specialise in the Information Technology stream. In this stream you will learn the technological and applied aspects of computing, with less emphasis on theory.

You will study system programming, software design and engineering, networking (including the internet and the web), artificial intelligence for decision support and graphics.

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) – INFORMATION TECHNOLOGY	
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
Linear Algebra 1	Foundations of Computer Science
Object Oriented Program Design	
YEAR 2 TEACHING PERIOD 1	YEAR 2 TEACHING PERIOD 2
Operating Systems	Computing Topics IT
Computer Communications	Computer Graphics IT
Unix Systems Programming	Fundamental Concepts of Cryptography
Object Oriented Software Engineering	Fundamental Concepts of Data Security
YEAR 3 TEACHING PERIOD 1	YEAR 3 TEACHING PERIOD 2
Human Computer Interface	Capstone Computing Project 2
Capstone Computing Project 1	Advanced Computer Communications
Fundamental Concepts of Data Security	Network Systems Design
Distributed Computing	Cyber Crime and Security Enhanced Programming

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

Career Opportunities:

This course can help you become a/an

- IT analyst
- Programmer
- IT support technician
- Project manager
- QA/QC manager
- Algorithm designer
- Software developer
- Cyber security analyst
- Web applications developer
- Software engineer

CONTACT US:

CURTIN UNIVERSITY DUBAI

Dubai International Academic City
Block 11, Fourth Floor
P.O. Box 345031, Dubai, UAE
Tel: +971 4 245 2500
Fax: +971 4 243 4218
Email: admissions@curtindubai.ac.ae
Web: www.curtindubai.ac.ae

DISCLAIMER

Information in this publication is correct as at April 2019 but may be subject to change.

In particular, the University reserves the right change the content and/or method of assessment, to change or alter tuition fees of any unit of study, to withdraw any unit of study or program which it offers, to impose limitations on enrolment in any unit or program, and/or to vary arrangements for any program. This material does not purport to constitute legal or professional advice. Curtin accepts no responsibility for and makes no representations, whether express or implied, as to the accuracy or reliability in any respect of any material in this publication. Except to the extent mandated otherwise by legislation, Curtin University does not accept responsibility for the consequences of any reliance which may be placed on this material by any person.

Curtin will not be liable to you or to any other person for any loss or damage (including direct, consequential or economic loss or damage) however caused and whether by negligence or otherwise which may result directly or indirectly from the use of this publication.

Copyright Curtin University

© Curtin University Dubai 2019.

Except as permitted by the Copyright Act 1968, this material may not be reproduced, stored or transmitted without the permission of the copyright owner. All enquiries must be directed to Curtin University.

Curtin University is an accredited member of AACSB International – the Association to Advance Collegiate Schools of Business.

Published by Curtin University Dubai 2019.

CRICOS Provider Code 003011

