



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.

ABOUT CURTIN UNIVERSITY

Curtin University is an innovative, global university, with campuses in Australia, Dubai, Singapore and Malaysia. 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 2017. We are also placed 22nd in the world for universities under 50 years of age in the QS Top 50 Under 50 2017–2018 Rankings, and have been awarded 5 stars for excellence in the QS Stars University Ratings for 2017.

COURSE ESSENTIALS

BACHELOR OF SCIENCE (COMPUTING) – INFORMATION TECHNOLOGY

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|-------------------------------|---|
| 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% Pakistan: 75% |
| English language requirements | IELTS overall band score of 6.5 with a minimum of 6.0 in each band, or equivalent |
| Duration | 3 years full-time |
| Intake | January and September |
| Total tuition* | AED 162,000 or USD 44,385 |

*All fees indicated are subject to 5% UAE VAT.

COURSE STRUCTURE

| YEAR 1 TEACHING PERIOD 1 | YEAR 1 TEACHING PERIOD 2 |
|---------------------------------------|----------------------------------|
| Introduction to Software Engineering | Unix and C Programming |
| Object Oriented Program Design | Data Structures and Algorithms |
| Science Communications | Database Systems |
| Statistical Data Analysis | Foundations of Computer Science |
| Linear Algebra 1 | |
| YEAR 2 TEACHING PERIOD 1 | YEAR 2 TEACHING PERIOD 2 |
| Operating Systems | 1 Elective Unit |
| Computer Communications | Computing Topics |
| Unix Systems Programming | Computer Graphics |
| Object Oriented Software Engineering | 1 Elective Unit |
| YEAR 3 TEACHING PERIOD 1 | YEAR 3 TEACHING PERIOD 2 |
| Human Computer Interface | Networking Systems Design |
| Capstone Computing Project 1 | Capstone Computing Project 2 |
| Fundamental Concepts of Data Security | Advanced Computer Communications |
| Distributed Computing | 1 Elective Unit |

Career Opportunities:

This course can help you become a/an:

- IT analyst
- Programmer
- IT support
- Algorithm designer
- Software developer
- Cyber security
- Web applications developer

CONTACT US:

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