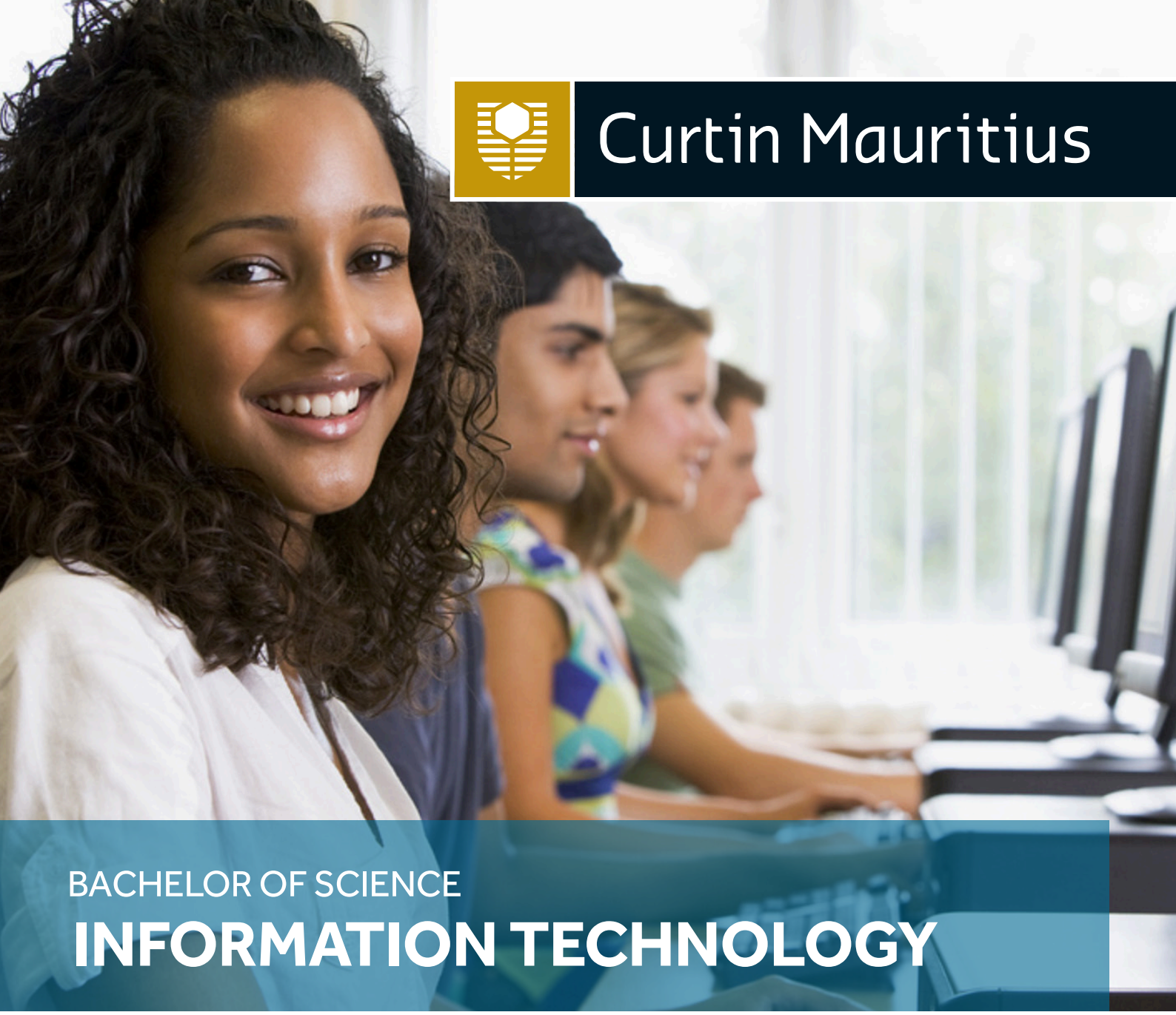

Curtin Mauritius

BACHELOR OF SCIENCE

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.

ABOUT THE DEGREE

This course provides coverage of aspects of modern computing and computer networks. It covers fundamental programming and security knowledge as well as specialises in network programming and other aspects of distributed computing. The course uses Python as a tool for learning programming. Linux skills are taught throughout the course and emphasis is placed on learning the basics before moving onto advanced topics. Graduates from the course will have sound knowledge of computer systems and processes involved in software development and maintenance.

The aim of this course is to prepare students for the areas of ICT found to be most in demand and for positions that are most difficult to fill. Curtin works closely with industry partners to fine tune the course and provide work-based opportunities to students.

ABOUT CURTIN UNIVERSITY

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

Curtin is ranked in the top one per cent of universities worldwide in The Academic Ranking of World Universities (ARWU 2024) and has received a five star plus rating in the QS Stars University Ranking 2025.

The university is ranked below 100 worldwide in the following 7 areas:

Mining and Mineral Engineering, Hospitality and Tourism Management, Earth Sciences, Chemical Engineering, Nursing, Remote sensing and Education.

Make tomorrow better.

For more information, please visit:
curtinmauritius.ac.mu

CRICOS Provider Code: 00301J

COURSE ESSENTIALS

BACHELOR OF SCIENCE
INFORMATION TECHNOLOGY

Course entry requirements

- Mathematics is essential and calculus is desirable - SC and HSC result to be assessed
- Satisfy the minimum academic entry requirements
- Meet the minimum English competency level

Foundation Program

Candidates who do not meet all entry requirements can enrol in the Foundation Program in order to gain admission to the Bachelor degree

Duration

The programme is run over three years (six semesters)

Intake

February and July

Application procedures

Candidates must complete the application form available at Curtin Mauritius Future Students Centre and must submit relevant copies of the following documents:

- Copies of educational qualifications
- Two passport - size photographs
- Copy of National Identity Card and Birth Certificate

(The originals of the above documents are needed for certification purposes)

Career Opportunities:

This course can help you become a/an:

> IT algorithm designer
> IT analyst
> Software developer
> IT support professional
> Cyber security professional
> Programmer
> Web applications developer

COURSE STRUCTURE (24 UNITS)

YEAR 1 Semester 1	UNIT CODE
Introduction to Software Engineering	ISAD1000
Integrating Indigenous Science and STEM	NPSC1003
Fundamentals of Programming	COMP1005
Fundamental concepts of data security	ISEC2001
YEAR 1 Semester 2	**UNIT CODE**
Unix and C Programming	COMP1000
Data Structures and Algorithms	COMP1002
Linear Algebra 1	MATH1015
Computer Systems	COMP2000
YEAR 2 Semester 1	**UNIT CODE**
Operating Systems	COMP2006
Select one elective unit	
Unix Systems Programming	COMP2002
Data Communications and Network Management	CMPE2000
YEAR 2 Semester 2	**UNIT CODE**
Database Systems	ISYS2014
Computing Topics	COMP2005
Cloud Computing	CNCO3003
Intelligent Agents	COMP2009
YEAR 3 Semester 1	**UNIT CODE**
Human Computer Interface	ICTE3002
Capstone Computing Project 1	ISAD3000
Distributed Networks	CNCO3000
Machine Learning	COMP3010
YEAR 3 Semester 2	**UNIT CODE**
Capstone Computing Project 2	ISAD3001
Engineering Management and Professional Practice	MGMT3000
Network Systems Design	CNCO3001
Business Internship	MKTG3009

For more information: curtinmauritius.ac.mu

PLEASE CONTACT THE
FUTURE STUDENTS CENTRE

study@curtinmauritius.ac.mu

TELFAIR,
MOKA,
MAURITIUS

(230) 401 65 11
(230) 433 30 05

curtinmauritius.ac.mu

Note: To qualify for a degree. 600 Credits (or 24 study units) must be obtained, within the appropriate combination of study units as prescribed in the curriculum. No exit certificate is awarded.