



# 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 and Malaysia. 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) 2021 and has received a five star plus rating in the QS Stars University Ranking 2022.

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](http://curtinmauritius.ac.mu)



## 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
- > Software developer
- > Cyber security professional
- > Web applications developer
- > IT analyst
- > IT support professional
- > Programmer

## 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
Network Systems Design	CNCO3001
Unix Systems Programming	COMP2002
Computer Communications	CNCO2000
YEAR 2 Semester 2	UNIT CODE
Database Systems	ISYS2014
Computing Topics	COMP2005
Select one elective unit	
Select one elective unit	
YEAR 3 Semester 1	UNIT CODE
Human Computer Interface	ICTE3002
Capstone Computing Project 1	ISAD3000
Distributed Networks	CNCO3000
Select one elective unit	
YEAR 3 Semester 2	UNIT CODE
Capstone Computing Project 2	ISAD3001
Engineering Management	MGMT3000
Advanced Computer Communications	CNCO3002
Business Internship	MKTG3009

For more information:

curtinmauritius.ac.mu

#### PLEASE CONTACT THE FUTURE STUDENTS CENTRE

study@curtinmauritius.ac.mu

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**Disclaimer:** Please note that Curtin Mauritius reserves the right to change the content and method of assessment, to change or alter tuition fees and any unit of study, to withdraw any unit enrolment in any unit or program and/ or to vary arrangements for any programme

Cohorts will only commence if numbers reach the minimum number of students required.

**Course Structure Disclaimer:** Curtin University reserves the right to alter the internal composition of any course to ensure learning outcomes retain maximum relevance. Any changes to the internal composition of a course will protect the right of students to complete the course within the normal time frame and will not result in additional cost to students through a requirement to undertake additional units.

**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.

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