



UNIVERSITY  
of  
TECHNOLOGY,  
MAURITIUS

**School of Innovative Technologies and Engineering**  
**Department of Business Informatics and Software Engineering**

# BSc (Hons) Computing and Information Systems (Top Up)

PROGRAMME DOCUMENT

*BCIS version 3.0*  
*July 2021*

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**University of Technology, Mauritius**

La Tour Koenig, Pointe aux Sables, Mauritius

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### **A. PROGRAMME INFORMATION**

This course has been designed for students already possessing a Diploma in Information Technology or any IT related discipline to upgrade their diploma to a degree level. The course content is market-driven and particularly aims to produce high caliber graduates to be readily employed in a variety of computing disciplines. This programme will give students an excellent grounding in both theoretical and practical use of computerised systems in organisations.

This Top-up degree may be taken over one year full-time or one and a half years part-time whereby students will have the opportunity to further enhance their career prospects by converting their diploma into a full BSc degree. Students will have an in-depth exposure to various areas of Information Technology as well as current industry standard software.

### **B. PROGRAMME AIMS & OBJECTIVES**

The programme aims to equip students with the skills required to become competent practitioners in developing, and managing modern computerized / information systems. The course consists of a combination of core modules and a project. There are two categories for the final year project namely Network & Communication or System Development project. Students will have the possibility to opt for any one of those two categories for their final year project. Graduates of this course will possess the skills necessary to analyse, design and implement computerized systems. Possible careers include: analyst/programmer, network administrator, systems analyst, database administrator or web application developer amongst others.

## **PART I – REGULATIONS**

### **C. GENERAL ENTRY REQUIREMENTS**

As per UTM'S Admission Regulations, and 'Admission to Programmes of Study at First Degree Level' or APL / APEL requirements.

### **D. PROGRAMME ENTRY REQUIREMENTS**

A Diploma in Information Technology or a Diploma in any relevant IT discipline from a recognized institution and as approved by the Selection Committee. The Diploma be pitched at Level 6 as per the National Qualifications Framework (NQF) of Mauritius.

### **E. PROGRAMME MODE AND DURATION**

Full Time: 1 year [2 semesters]  
Part Time: 1 ½ years [3 semesters]

### **F. TEACHING AND LEARNING STRATEGIES**

- Lectures, Tutorials and Practical Laboratory Sessions;
- Class Tests and Assignments;
- Structured Discussions and Self-Directed Study;
- Workshops and Seminars;
- Case Study of real world problems.

### **G. STUDENT SUPPORT AND GUIDANCE**

Each cohort of the programme is allocated a Programme Coordinator who acts as a liaison between the students and school management and provides support for academic management of the programme.

### **H. ATTENDANCE REQUIREMENTS**

As per UTM's Regulations and Policy.

## I. CREDIT SYSTEM

1 module = 6 credits

Final Year Project = 12 credits

"This programme is aligned with the European Credit and Transfer System (ECTS)".

## J. STUDENT PROGRESS AND ASSESSMENT

For the award of an honours degree, all modules must be passed overall with passes in the examinations, coursework and other forms of assessment. To clear a module, students must secure at least 40% overall.

The programme is delivered mainly through lectures, tutorials, and practical laboratory sessions. Each module carries 100 marks and unless otherwise specified will be assessed as follows:

- Written and/or practical examination, and continuous assessment carrying up to 50% of total marks.
- Continuous assessment can be based on a combination of assignments, workshops, practical and class tests.
- Some modules may be evaluated by continuous assessment only upon the approval of the Programme Director. Modules which are evaluated on continuous assessment only (100% coursework) must consist of a **minimum of three assessments, inclusive of one class test**.
- Both the System Development Project and the Network & Communication Project will carry 300 marks (12 credits).

### Module grading structure:

Grade	Marks x (%)
A	$70 \leq x \leq 100$
B	$60 \leq x < 70$
C	$50 \leq x < 60$
D	$40 \leq x < 50$
F	$x < 40$
A-D	Pass
F	Fail

### K. EVALUATION OF PERFORMANCE

The % mark at Level 3 contribute 100% weighting towards the degree classification.

### L. AWARD CLASSIFICATION

#### Overall weighted mark y (%)

$70 \leq y \leq 100$   
 $60 \leq y < 70$   
 $50 \leq y < 60$   
 $45 \leq y < 50$   
 $40 \leq y < 45$   
 $y < 40$

#### Classification

1<sup>st</sup> Class Honours  
2<sup>nd</sup> Class 1<sup>st</sup> Division Honours  
2<sup>nd</sup> Class 2<sup>nd</sup> Division Honours  
3<sup>rd</sup> Class Honours  
Pass Degree  
No Award

### M. PROGRAMME ORGANISATION AND MANAGEMENT

Programme Director: Mr. P. Kanaksabee

Contact Details:

- Room: G 2.12
- Telephone Number: (230) 207 5250 Extension: 155
- Fax: (230) 234 1747
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**PART II - Programme Structure**

**N. BSc (Hons) Computing and Information Systems – FULL TIME (version 3.0)**

YEAR 3 (Level 3)								
Semester 1				Semester 2				
Code	Module	Hrs/Wk L + T/P + SD	Credits	Code	Module	Hrs/Wk L + T/P + SD	Credits	
SEM2121C	Agile Project Management	2+1+7	6	SCG3135C	Distributed Computing	2+1+7	6	
DBT2121C	Enterprise Database Application	2+1+7	6	ISM2131C	Digital Transformation	2+1+7	6	
WAT3115C	Web-based Information Systems	2+1+7	6	SECU2129C	Cyber Security	2+1+7	6	
CAN2120C	Communication & Networking	2+1+7	6	WAT3144C	Smart Web Applications	2+1+7	6	
PROJ3105C / PROJ3113C	System Development Project / Network & Communication Project							12

**O. BSc (Hons) Computing and Information Systems – PART TIME (version 3.0)**

YEAR 3 (Level 3)							
Semester 1				Semester 2			
Code	Module	Hrs/Wk L + T/P + SD	Credits	Code	Module	Hrs/Wk L + T/P + SD	Credits
SEM2121C	Agile Project Management	2+1+7	6	WAT3115C	Web-based Information Systems	2+1+7	6
DBT2121C	Enterprise Database Application	2+1+7	6	ISM2131C	Digital Transformation	2+1+7	6
CAN2120C	Communication & Networking	2+1+7	6	SCG3135C	Distributed Computing	2+1+7	6
				PROJ3105C / PROJ3113C	System Development Project / Network & Communication Project		

YEAR 3 (Level 3)			
Semester 3			
Code	Module	Hrs/Wk L + T/P + SD	Credits
SECU2129C	Cyber Security	2+1+7	6
WAT3144C	Smart Web Applications	2+1+7	6
PROJ3105C / PROJ3113C	System Development Project / Network & Communication Project		12