



UNIVERSITY
of
TECHNOLOGY,
MAURITIUS

School of Innovative Technologies and Engineering

Department of Business Informatics and Software Engineering

BSc. (Hons) Business Information Systems

PROGRAMME DOCUMENT

v 7.0
July 2021

BSc (Hons) Business Information Systems

A. Programme Information

This programme of study aims at producing graduates who can exploit Information Technology in various business situations. It is concerned with the analysis, design and implementation of computer and communications applications and with broader issues of the strategic use of Information Technology in organizations. This unique combination of technical, business and management skills learnt in this programme would answer to the employment needs of our graduates. Such graduates would be interested primarily in pursuing careers as managers of Information Technology groups or as management consultants.

B. Programme Aims

There is an increasing demand for professionals who have the business acumen to understand an organization's business systems and information needs and who also have the technical awareness to ensure that the right computer support is available. The programme aims to provide students with an understanding of Information Technology applications in business, within the context of a general grounding in management education. It also aims to prepare students for leadership roles.

C. Programme Objectives

After successful completion of the program, the students are expected to have developed

- A solid understanding of information technology applications in business areas
- Strong analytical skills for requirements elicitation
- Expert knowledge in software applications development

PART I - Regulations

D. General Entry Requirements

As per UTM'S Admission Regulations, and 'Admission to Programmes of Study at Degree Level'.

E. Programme Entry Requirements

None.

F. Programme Mode and Duration

Full Time: Min 3 years (6 Semesters), Max 6 years (12 Semesters)

Part Time: Min 4½ years (9 Semesters), Max 7 years (14 Semesters)

G. Teaching and Learning Strategies

The programme can be delivered in different modes, including face-to-face sessions, online and blended modes.

- Lectures (L), Tutorials (T) and Practical (P) Laboratory Sessions;
- Class tests and Assignments;
- Structured Discussions and Self-Directed study (SD);
- Workshops / Seminars / Lab Sessions;
- Case study material & scenario centered on real world problems;

H. Student Support and Guidance

- Each cohort of the programme is allocated a Programme Coordinator who acts as a liaison between students and school management and provides support for academic management of the programme.
- Academic tutoring: Individual/group tutoring sessions can be arranged for students upon request
- Student counselling is provided upon request through the UTM Wellness Centre.
- Project Supervision

I. Attendance Requirements

As per UTM's Regulations and Policy

J. Credit System

For the award of a Certificate, a minimum of 60 credits are required.

For the award of a Diploma, a minimum of 120 credits are required.

For the award of an Ordinary Degree, a minimum of 168 credits are required.

For the award of Honors Degree, a minimum of 180 credits are required.

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

K. Student Progress and Assessment

Each module consists of 150 hours of learning, comprising of 45 hours of delivery and 105 hours of self-study. 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, practicals and class tests.
- Modules which are evaluated on continuous assessment only (100% coursework) must consist of a minimum of three assessments, inclusive of one class test. Few modules will be conducted on continuous assessment upon approval of the Programme Director.
- The system development project carries 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

L. Evaluation of Performance

1. The % mark at Level 1 contributes a 20% weighting towards the degree classification.
2. The % mark at Level 2 contributes a 30% weighting towards the degree classification.
3. The % mark at Level 3 contributes a 50% weighting towards the degree classification.

M. Award Classification

Overall weighted mark y (%)	Classification
$70 \leq y \leq 100$	1 st Class Honours
$60 \leq y < 70$	2 nd Class 1 st Division Honours
$50 \leq y < 60$	2 nd Class 2 nd Division Honours
$45 \leq y < 50$	3 rd Class Honours
$40 \leq y < 45$	Pass Degree
$y < 40$	No Award

N. Programme Organisation and Management

Programme Director: Mr. Ashwin TULSI

Contact Details:

- Telephone Number: 207- 5250 (Ext. 570)
- Email: atulsi@umail.utm.ac.mu
- Room: C2.20

PART II -Programme Structure

O. BSc (Hons.) Business Information Systems – Full Time (v 7.0)

YEAR 1 (Level 1)							
Semester 1				Semester 2			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits	Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
MATH1103C	Decision Mathematics	2+1+7	6	DBT1117C	Database Design & Information Management	2+1+7	6
ITE1108C	Professional Issues in ICT	2+1+7	6	MGMT1102C	Organisation & Management	2+1+7	6
ISM1126C	Accounting for Information Systems	2+1+7	6	WAT1135C	Web Essentials	2+1+7	6
PROG1123C	Procedural Programming	2+1+7	6	CAN1104C	Networking Essentials	2+1+7	6
HCA1107C	Computer Systems	2+1+7	6	STAT1354C	Statistics for Business	2+1+7	6

YEAR 2 (Level 2)							
Semester 1				Semester 2			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits	Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
ENTR2118C	Business Strategy	2+1+7	6	SEM2116C	Software Project Management	2+1+7	6
PROG1124C	Software Programming Techniques	2+1+7	6	DBT2118C	Advanced Databases Management Systems	2+1+7	6
SDT1119C	Systems Analysis & Design	2+1+7	6	MCT2108C	Cross-Platform Mobile Application	2+1+7	6
WAT2136C	Client & Server-Side Programming	2+1+7	6	PROG2125C	GUI Programming	2+1+7	6
OSS1114C	Operating Systems Administration	2+1+7	6	ISM2130C	IT Audit	2+1+7	6

PRE-LEVEL 3 ACTIVITY			
Module Code	Activity	Hrs/Wk	Credits
PROJ2119C	Work Placement	Two-month training in ICT industry or at UTM which starts immediately after the 15 th week of the fourth semester of the programme of study.	6 (compulsory submission of a portfolio upon completion)

YEAR 3 (Level 3)							
Semester 1				Semester 2			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits	Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
ISM3103C	Enterprise Resource Planning	2+1+7	6	ENTR3115C	Entrepreneurship & ECommerce	2+1+7	6
SECU2128C	Computer Security	2+1+7	6	SEM2123C	Software Quality & Testing	2+1+7	6
DBT2119C	Business Intelligence	2+1+7	6	ISM3105C	IT Governance	2+1+7	6
WAT2137C	Advanced Internet Programming	2+1+7	6				
PROJ3105C	System Development Project						12

P. BSc (Hons.) Business Information Systems – Part Time (v 7.0)

YEAR 1 (Level 1)							
→ start of Level 1							
Semester 1				Semester 2			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits	Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
MATH1103C	Decision Mathematics	2+1+7	6	MGMT1102C	Organisation & Management	2+1+7	6
ITE1108C	Professional Issues in ICT	2+1+7	6	CAN1104C	Networking Essentials	2+1+7	6
ISM1126C	Accounting for Information Systems	2+1+7	6	STAT1354C	Statistics for Business	2+1+7	6
HCA1107C	Computer Systems	2+1+7	6				

YEAR 2 (Level 2)							
				→ start of Level 2			
Semester 1				Semester 2			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits	Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
DBT1117C	Database Design & Information Management	2+1+7	6	ENTR2118C	Business Strategy	2+1+7	6
PROG1123C	Procedural Programming	2+1+7	6	PROG1124C	Software Programming Techniques	2+1+7	6
WAT1135C	Web Essentials	2+1+7	6	SDT1119C	Systems Analysis & Design	2+1+7	6
				→ End of Level 1			

YEAR 3 (Level 2)							
Semester 1				Semester 2			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits	Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
WAT2136C	Client & Server-Side Programming	2+1+7	6	SEM2116C	Software Project Management	2+1+7	6
OSS1114C	Operating Systems Administration	2+1+7	6	PROG2125C	GUI Programming	2+1+7	6
DBT2118C	Advanced Databases Management Systems	2+1+7	6	PROJ2120C	Portfolio		6
MCT2108C	Cross-Platform Mobile Application	2+1+7	6	→ End of Level 2			

YEAR 4 (Level 3)							
→ start of Level 3							
Semester 1				Semester 2			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits	Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
ISM2130C	IT Audit	2+1+7	6	ISM3103C	Enterprise Resource Planning	2+1+7	6
SECU2128C	Computer Security	2+1+7	6	SEM2123C	Software Quality & Testing	2+1+7	6
DBT2119C	Business Intelligence	2+1+7	6	PROJ3105C	System Development Project		
WAT2137C	Advanced Internet Programming	2+1+7	6				

YEAR 5 (Level 3)			
Semester 1			
Module Code	Module Title	Hrs/Wk L+T/P+SD	Credits
ISM3105C	IT Governance	2+1+7	6
ENTR3115C	Entrepreneurship & ECommerce	2+1+7	6
PROJ3105C	System Development Project		12
→ <i>End of Level 3</i>			