



Bachelor of Information Technology with Honours

With HELP University's mission statement, to be the leading and most successful education institution in fulfilling the education needs and aspirations of Mauritians, the School of Information and Communication Technology plays an integral role in this respect. It aims towards fulfilling HELP University philosophy of '**Pride of Achievement**', '**Sharing Success**', and '**The Courage to be**', '**to be Compassionate and To Be Significant**. Developments in information technology have caused man to change many paradigms and redefine others. They have introduced new concepts of time and perspective, and new types of activities. Every aspect of human activity has been touched by IT. As well as being a tool, it is a way of life, a frame of mind, a way of thinking, a philosophy, and above all a profession.

The **objectives** of the Bachelor of Information Technology (Hons) are to produce graduates who are:

- Trained with a good breadth of knowledge in core areas of IT so as to analyze, design, and synthesize data and technical concepts to create novel products and solutions for real world problems.
- Equipped with collaborative, leadership and communication skills that will enable them to work effectively with others.
- Able to demonstrate independent critical thinking and problem solving skills, with an ability to analyze the impact of technology on individuals, organizations and society including ethical, legal and public policy issues.
- Prepared with skills for research and life long learning.
- Able to learn and adapt to changes in a professional work environment.

There are **TWO** semesters (**January & August**) plus One half semester (**May**) in an academic year. In a full semester, there are 14 teaching weeks plus 2 weeks of final examination. However in a half semester, there are only 7 teaching weeks plus 2 weeks of final examination. The duration of this course is **3 years**.

Entry requirements

Any one of the following:

- HELP Foundation in Arts/Foundation in Science
- Recognized Matriculation or Foundation with CGPA 2.0
- 2 STPM Grade C
- 2 A-Level passes
- 5 Bs in Senior Middle 3 (UEC) (including Mathematics)
- 5 CPU passes with a minimum average of 50%
- 5 SAM/TEE examination passes with a university aggregate of 50%

AND a credit in Mathematics at SPM level or equivalent OR

- A Diploma in Computer Science, Information Systems, Information Technology, Software Engineering or equivalent with a minimum CGPA of 2.50 and a credit in Mathematics at SPM level or its equivalent. Candidates with CGPA below 2.50 but above 2.00 with a credit in Mathematics at SPM level or its equivalent may be admitted subject to a rigorous internal assessment process
- Any other Diploma with a minimum CGPA of 2.50,
AND a credit in Mathematics at SPM level or equivalent
- Equivalent qualification

Course Structure According to Semester

Module Code	Year 1 Semester 1 (14 Weeks)	Credit Hours	Module Code	Year 1 Semester 2 (7 Weeks)	Credit Hours	Module Code	Year 1 Semester 3 (14 Weeks)	Credit Hours	
BIT101	Introduction to Information Technology	4	BGM101	Multimedia Systems	4	BIT107	Introduction to Data Communications	4	
BIT102	Internet Concepts & Infrastructure	4	BIT110	Introduction to Operating Systems	4	BIT103	Introduction to Database Systems	4	
BIT108	Discrete Mathematics	4				BIT106	Programming in Java I	4	
BIT100	Introduction to Programming	4				MPU3422	Co-Curriculum - Community Service 2	2	
Total		16	Total		8		Total		14

Module Code	Year 2 Semester 1 (14 Weeks)	Credit Hours	Module Code	Year 2 Semester 2 (7 Weeks)	Credit Hours	Module Code	Year 2 Semester 3 (14 Weeks)	Credit Hours	
BIT201	Object-Oriented Analysis and Design	4	MPU3363	Issues of the Social Media on Malaysian Society	3	BIT216	Software Engineering Principles	4	
BIT203	Programming in Java II	4	BIT200	IT and Entrepreneurship	4	BIT210	Web Programming	4	
BIT206	User Experience Design	4	MPU3233	Leadership in Business	3	BIT205	Object-Oriented Programming in C++	4	
BIS203	Advanced Database Systems	4				CSW201	Digital Photography and Imaging	3	
Total		16	Total		10		Total		15
Module Code	Year 3 Semester 1 (14 Weeks)	Credit Hours	Module Code	Year 3 Semester 2 (7 Weeks)	Credit Hours	Module Code	Year 3 Semester 3 (14 Weeks)	Credit Hours	