

SCIT UPPER ELECTIVES (Select Three)					
Code	Module Name	Credit	Code	Module Name	Credit
CIT3015	Digital Communication/ Telecommunication	4	CIT3014	Advanced Computer Networks	4
CIT3017	Network Administration & Technical Support	4	CIT4035	Network Management and Security	4
CIT4033	Distributed Systems	4	CMP3040	Forensic Computing	3
CIT3012	Advanced Databases	4	CIT3013	Database Administration	4
CIT4009	Enterprise Computing 1	4	CIT4010	Enterprise Computing 2	4
CIT4034	Web Systems Design & Implementation	4	CIT3023	Introduction to Human Computer Interaction	4
CIT4011	Digital Graphics	4	CIT3020	Digital Video Effects	4
CIT3018	Computer Animation	4	CIT3027	Mobile Computing	4
CIT3003	Analysis of Algorithms	3	CIT3006	Theory of Computation	3
CMP3011	Computer Organisation and Assembly	3	CIT3009	Advanced Programming	3
CMP3041	Applied Software Testing	4	CIT4017	Decision Science	3

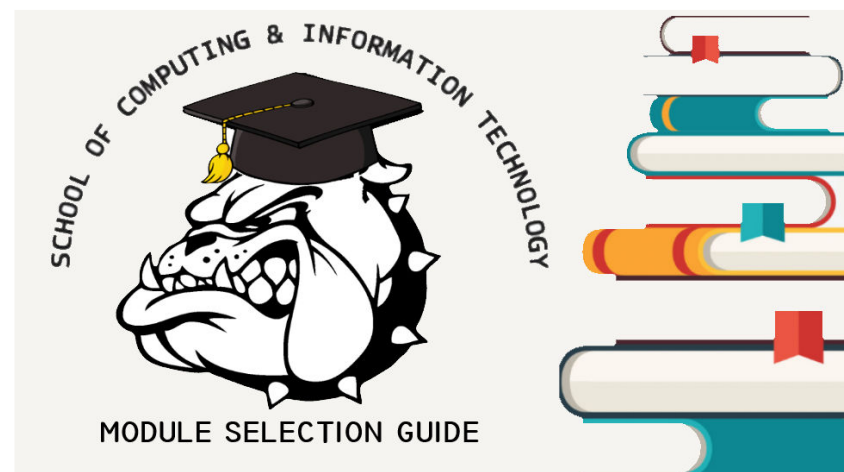
\*\*\*Internship (CIT3029) can be used as a SCIT Upper Elective

Seek support from your Academic Adviser in making your academic decisions. Ensure to meet with him/her at least once per semester. Get to know the Programme Leader for your year group, as they can perform further assistance on matters which your Academic Adviser is unable to handle.

**Contact Info: FENC Student Affairs office, 927-1680**  
Revised May 2023



## UNIVERSITY OF TECHNOLOGY, JAMAICA



### Bachelor of Science in Computing **Major: Information Technology** (Information Systems) **Academic Year 2023/2024**

Student's Name: .....

Student's ID #: .....

Academic Advisor: .....

*Check the student portal to identify your academic advisor.*

To be awarded the BSc in Computing Degree, students must complete 125 credits, including all core modules and the required number of electives.

Code	Module Name	Prerequisite or Co-Requisite (If any)	Credits
LEVEL 1 (35 credits)			
Semester 1			
CMP1024	Programming 1	NONE	4
CMP1026	Computer Networks 1	NONE	3
INT1001	Information Technology	NONE	3
COM1024	Academic Literacy for Undergraduates	UTECH Proficiency Test in English or qualify for exemption from the test	3
MAT1047	College Mathematics 1B	NONE	4
CSP1001	Community Service Project <i>Can be completed in SEM1 or SEM2</i>	NONE	1
Semester 2			
CMP1025	Programming 2	CMP1024	4
COM2016	Critical Thinking, Reading and Writing	COM1020 or COM1024	3
MAT1008	Discrete Mathematics	MAT1047	4
PSY1002	Introduction to Psychology	NONE	3
ENS3001	Environmental Studies <b>or</b>	NONE	3
HEA3003	Fitness & Wellness <b>or</b>		
MEE2003	Material Science		
LEVEL 2 (65 credits)			
Semester 1			
CIT2004	Object Oriented Programming	CMP1025	4
STA2020	Introductory Statistics	MAT1047	3
CIT2011	Web Programming	INT1001	3
CMP1005	Computer Logic & Digital Design	INT1001	3
CMP2018	Database Design	INT1001	3
Semester 2			
CMP2006	Data Structures	CIT2004	4
CMP2019	Software Engineering Analysis & Design	INT1001	3
HUM3010	Professional Ethics & Legal Implications of Computing Systems	CMP2019 (C) and (COM1020 or COM1024)	3
PHS1019	Physics for Computer Science	MAT1008 or MAT2003	4

Years 1 & 2 are the same for Computer Science and Information Technology Specializations.  
Years 3 & 4 are specific to your chosen specialization.

Code	Module Name	Prerequisite or Co-Requisite (If any)	Credits
<b>LEVEL 3 (97 credits)</b>			
<b>Semester 1</b>			
CIT3002	Operating Systems	CMP2006 & CMP1005	3
CIT4024	IT Project Management	INT1001	4
CIT3021	Foundations of Information Systems	INT1001	3
CIT3024	Enterprise Architecture & Infrastructure	CIT3021 (C)	4
CIT4031	IS Auditing	INT1001	4
<b>Semester 2</b>			
RES3024	Computing Research Methods	COM1020 or COM1024	3
CIT4001	Software Implementation	CMP2019	3
CIT3025	IS Innovation & Emerging Technologies	CIT3021	4
CIT4023	E-Business Strategy & E-Commerce	CIT3021	4
CIT3029	Internship ( <b>OPTIONAL</b> ) <i>*Contact SCIT before selecting*</i>	Level 3	4
<b>LEVEL 4 (125 credits)</b>			
<b>Semester 1</b>			
PRJ4020	Major Project ( <i>Yearlong project</i> )	RES3001 <b>or</b> RES3024	3
MAN3001	Organization & Management	NONE	3
CIT4032	IS Strategy, Planning & Management	CIT3021 (C)	4
	<b>SCIT Upper-Level Elective</b>		3/4
	<b>SCIT Upper-Level Elective</b>		3/4
<b>Semester 2</b>			
CIT4036	Professional Development Seminar	Level 4	1
ENT3001	Entrepreneurship	NONE	3
CIT4020	Computer Security	CIT3002 & CMP2018	3
	<b>SCIT Upper-Level Elective</b>		3/4
	<b>University Elective</b>		3

**Note on Prerequisites:** Students must receive a passing grade in a pre-requisite module before enrolment. However, co-requisites [indicated by (C)] may be done in the same semester as a qualification for enrolment, e.g. to enrol in HUM3010, you should either do CMP2019 before or in the same semester as HUM3010.