Code	Module Name	Prerequisite or Co-Requisite (If any)	Credits
LEVEL 4 (126 credits)			
PRJ4020	Major Project (*Yearlong project*)	RES3024	3
MAN3001	Organization & Management	NONE	3
	SCIT Upper-Level Elective		3/4
	SCIT Upper-Level Elective		3/4
CMP4023	Data Warehousing & Data Mining	CIT3013 **[ES Route]**	4
CIT4032	IS Strategy, Planning & Management	CIT3021 (C) **[IS Route]**	4
CIT4035	Network Management & Security	CIT3017 **[NW Route]**	4
CIT3020	Digital Video Effect	CIT3018 **[MM Route]**	4
CIT4036	Professional Development Seminar	Level 4	1
ENT3001	Entrepreneurship	NONE	3
CIT4020	Computer Security	CIT3002 & CMP2018	3
	University Elective		3
	SCIT Upper-Level Elective		3/4

(Semester 1: MAN3001 through CIT3020; Semester 2: CIT4036 through SCIT Upper-Level Elective)

3 SCIT Upper-Level Electives required – can be chosen from a route outside your IT specialization route or from one of the following below

Other available SCIT UPPER ELECTIVES

Code	Module Name	Credit	Code	Module Name	Credit
CIT3003	Analysis of Algorithms	3	CIT3006	Theory of Computation	3
CIT3009	Advanced Programming	3	CMP4011	Artificial Intelligence	4
CMP3011	Computer Organisation and Assembly	3	CMP3040	Forensic Computing	3
CIT3027	Mobile Computing	4	CIT4010	Introduction to Bioinformatics	3
CMP3041	Applied Software Testing	4	CIT4017	Decision Science	3

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

To be awarded the BSc in Computing Degree, students must complete 126 credits, including all core modules and the required number of electives.
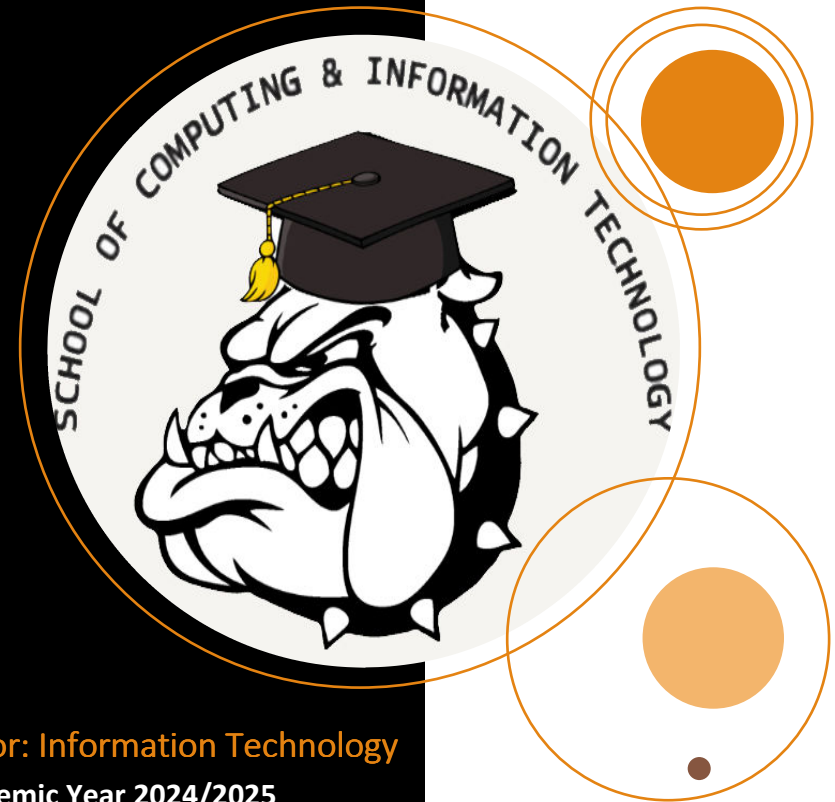
Contact us at 876-927-1680
Programme Director: ext. 3642
Admin Staff: ext. 3236

Revised July 2024

Bachelor of Science in Computing
Module Selection Guide

UNIVERSITY OF TECHNOLOGY, JAMAICA

SCHOOL OF COMPUTING & INFORMATION TECHNOLOGY

Major: Information Technology
Academic Year 2024/2025

Student's Name: ....

Student's ID #: ....

Academic Advisor: ....

Check the student portal to identify your academic advisor.

Code	Module Name	Prerequisite or Co-Requisite (If any)	Credits
LEVEL 1 (35 credits)			
CMP1024	Programming 1	NONE	4
CMP1026	Computer Networks 1	NONE	3
INT1001	Information Technology	NONE	3
COM1024	Academic Literacy for Undergraduates	CSEC English A – Grade 1 or UTECH Proficiency Test or *COM0001	3
MAT1047	College Mathematics 1B	NONE	4
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 / MEE2003	Environmental Studies **or** Material Science	NONE	3
CSP1001	Community Service Project *Can be completed in SEM1 or SEM2*	NONE	1
LEVEL 2 (65 credits)			
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
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	MAT1047	4

Semester 1 applies to CMP1024, CMP1026, INT1001, COM1024, MAT1047 (Level 1) and CIT2004, STA2020, CIT2011, CMP1005, CMP2018 (Level 2).
Semester 2 applies to CMP1025, COM2016, MAT1008, PSY1002, ENS3001/MEE2003 (Level 1) and CMP2006, CMP2019, HUM3010, PHS1019 (Level 2).

* COM0001 - Developmental English zero credit - done if student does not possess a grade 1 in CXC or CAPE

Level 1 & 2 are the same for Computer Science and Information Technology majors.

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.

Code	Module Name	Prerequisite or Co-Requisite (If any)	Credits
LEVEL 3 (97 credits)			
CIT3002	Operating Systems	CMP2006 & CMP1005	3
CIT4024	IT Project Management	INT1001	4
CIT3021	Foundations of Information Systems	INT1001	3
Enterprise Systems [ES Route]			
CIT3012	Advanced Databases **&**	CMP2018	4
CIT4009	Enterprise Computing 1	CMP2018	4
Information Systems [IS Route]			
CIT3024	Enterprise Architecture & Infrastructure **&**	CIT3021 (C)	4
CIT4031	IS Auditing	INT1001	4
Networking [NW Route]			
CIT3015	Digital Communication/ Telecommunication **&**	CMP1026 & PHS1019	4
CIT4033	Distributed Systems	CMP1026 & CIT3002	4
Multimedia [MM Route]			
CIT4034	Web Systems Design & Implementation **&**	CIT2011 & CMP2018	4
CIT3023	Introduction to Human Computer Interface	CIT2011	4
RES3024	Computing Research Methods	COM1020 or COM1024	3
CIT4001	Software Implementation	CMP2019	3
Enterprise Systems [ES Route]			
CIT3013	Database Administration **&**	CIT3012	4
CIT4010	Enterprise Computing II	CIT4009	4
Information Systems [IS Route]			
CIT3025	IS Innovation & Emerging Technologies **&**	CIT3021	4
CIT4023	E-Business Strategy & E-Commerce	CIT3021	4
Networking [NW Route]			
CIT3014	Advanced Computer Networks **&**	CIT3015	4
CIT3017	Network Administration & Technical Support	CMP1026	4
Multimedia [MM Route]			
CIT3018	Computer Animation **&**	CIT2011	4
CIT3028	Digital Graphics	CIT2011	4
CIT3029	Internship **(OPTIONAL)** **Contact SCIT before selecting**	Level 3	4

Level 3 & 4 are specific to your chosen specialization.

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.