

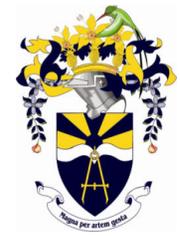
SCIT UPPER ELECTIVES					
<i>(Select Two)</i>					
Code	Module Name	Credit	Code	Module Name	Credit
CIT3021	Foundations of Information Systems	3	CIT4001	Software Implementation	3
CIT3012	Advanced Databases	4	CIT3013	Database Administration	4
CIT4009	Enterprise Computing 1	4	CIT4010	Enterprise Computing 2	4
CIT3024	Enterprise Architecture and Infrastructure	4	CIT4023	E-Business Strategy & E-Commerce	4
CIT3025	IS Innovation and Emerging Technologies	4	CIT4032	IS Strategy, Planning and Management	4
CIT4031	IS Auditing	4	CIT4033	Distributed Systems	4
CIT3015	Digital Communication/Telecommunication	4	CIT3014	Advanced Computer Networks	4
CIT3017	Network Administration & Technical Support	4	CIT4035	Network Management and Security	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
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.

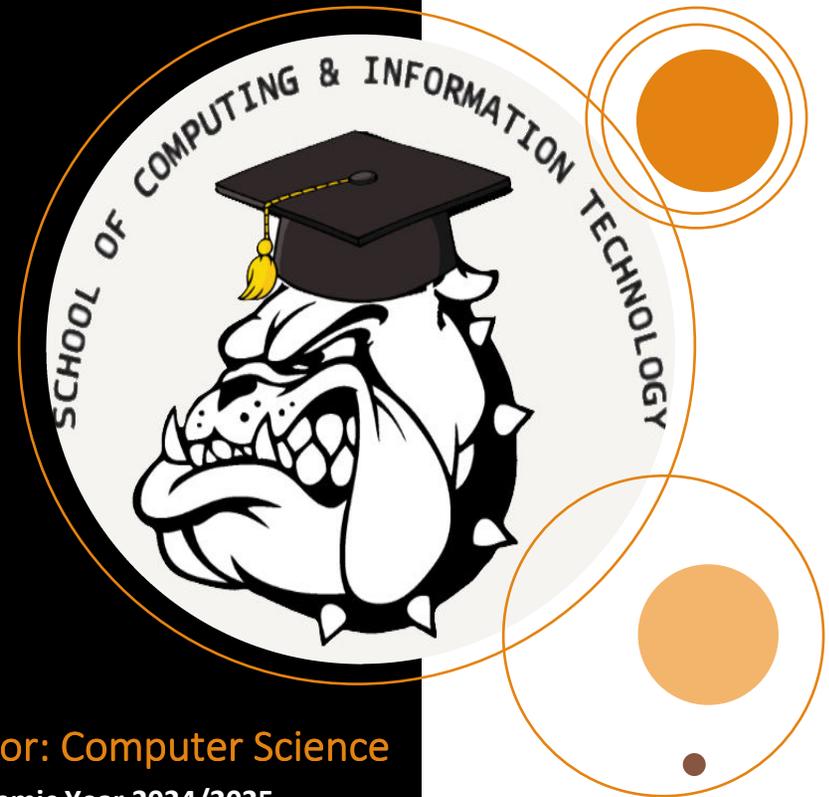
Contact us at 876-927-1680
 Programme Director: ext. 3642
 Admin Staff: ext. 3236

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UNIVERSITY OF TECHNOLOGY,
JAMAICA

Bachelor of Science in Computing Module Selection Guide



Major: Computer Science
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)				
Semester 1	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
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 MEE2003	Environmental Studies <u>or</u> Material Science	NONE	3
CSP1001	Community Service Project <i>Can be completed in SEM1 or SEM2</i>	NONE	1	
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	MAT1047	4

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

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

Years 3 & 4 are specific to your chosen specialization.

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 (96 credits)				
Semester 1	CIT3002	Operating Systems	CMP2006 & CMP1005	3
	CIT4024	IT Project Management	INT1001	4
	CIT3003	Analysis of Algorithms	CMP2006 & MAT1008	3
	CIT3009	Advanced Programming	CIT3002 (T)	3
	CMP3040 BIO3004	Forensic Computing <u>or</u> Introduction to Bioinformatics	NONE PHS1019	3
Semester 2	RES3024	Computing Research Methods	COM1020 or COM1024	3
	CIT3006	Theory of Computation	CIT3003	3
	CIT4020	Computer Security	CIT3002 & CMP2018	3
	MAT2003	Calculus 1	MAT1047	3
	STA2016	Design of Experiments	STA2020	3
CIT3029	Internship (OPTIONAL) <i>*Contact SCIT before selecting*</i>	Level 3	4	
LEVEL 4 (125 credits)				
PRJ4020	Major Project (Yearlong project)	RES3024	3	
Semester 1	CMP3011	Computer Organisation and Assembly	CMP1005	3
	CMP4011	Artificial Intelligence	CIT3006	4
	MAT1043	Linear Algebra	MAT1047	3
	SCIT Upper-Level Elective		3/4	
Semester 2	CIT4036	Professional Development Seminar	Level 4	1
	ENT3001	Entrepreneurship	NONE	3
	CIT4004	Analysis of Programming Languages	CMP4011	3
		University Elective		3
	SCIT Upper-Level Elective		3/4	

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