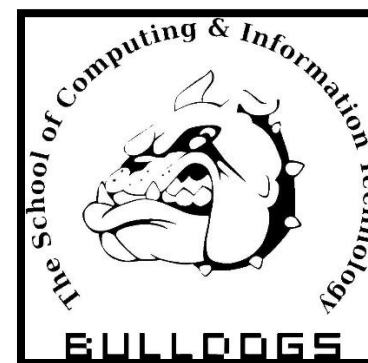


SCIT UPPER ELECTIVES

Module Code	Module Name	Credit	Module Code	Module Name	Credit
CIT4034	Web Systems Design & Implementation	4	CIT3017	Network Administration & Technical Support	4
CIT3020	Digital Video Effects	4	CIT4035	Network Management and Security	4
CIT3023	Introduction to Human Computer Interaction	4	CIT3024	Enterprise Architecture and Infrastructure	4
CIT3018	Computer Animation	4	CIT4023	E-Business Strategy & E-Commerce	4
CIT4011	Digital Graphics	4	CIT4031	IS Auditing	4
CIT3012	Advanced Databases	4	CIT3025	IS Innovation and Emerging Technologies	4
CIT4009	Enterprise Computing 1	4	CIT4032	IS Strategy, Planning and Management	4
CIT4010	Enterprise Computing 2	4	CIT4001	Software Implementation	3
CIT3013	Database Administration	4	CIT3021	Foundations of Information Systems	3
CMP4023	Data Warehousing and Mining	4	CIT3027	Mobile Computing	4
CIT4033	Distributed Systems	4	CIT3029	Internship	4
CIT3014	Advanced Computer Networks	4	CIT3015	Digital Communication/ Telecommunication	4



University of Technology, Jamaica Module Selection Guide



Bachelor of Science in Computing Major: Computer Science Academic Year 2022/2023

Student's Name:

Student's ID #:

Start Date:

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 all modules and the required number of electives.

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 in which your Academic Adviser is unable to handle.

Contact Info: FENC Student Affairs office, 927-5153
Revised April 2022

Module Code	Module Name	Prerequisite or Co-Requisite (if any)	Credits
Year 1 - Semester 1			
CMP1024	Programming 1	NONE	4
CMP1026	Computer Networks 1	NONE	3
INT1001	Information Technology	NONE	3
COM1020	Academic Writing 1	COM0001 Or English Language CSEC 1/2 /CAPE 1/2	3
MAT1047	College Mathematics 1B	NONE	4
Year 1 - Semester 2			
CMP1025	Programming 2	CMP1024	4
COM2014	Academic Writing 2	COM1020	3
MAT1008	Discrete Mathematics	MAT1047	4
PSY1002	Introduction to Psychology	NONE	3
ENS3001	Environmental Studies or	NONE	3
HEA3003	Fitness & Wellness or	NONE	3
MEE2003	Material Science	NONE	3
CSP1001	Community Service Project <i>Can be completed in SEM1 or SEM2</i>	NONE	1
Year 2 - 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
Year 2 - Semester 2			
CMP2006	Data Structures	CIT2004	4
CMP2019	Software Engineering Analysis & Design	INT1001	3
HUM3010	Professional Ethics & Legal Implications of Computing Systems	CMP2019 (C) & COM1020	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

Module Code	Module Name	Prerequisite or Co-Requisite (if any)	Credits
Year 3 - Semester 1			
CIT3002	Operating Systems	CMP2006 & CMP1005	3
CIT4024	IT Project Management	INT1001	4
CIT3003	Analysis of Algorithms	CMP2006 and (MAT2003 or MAT1008)	3
CIT3009	Advanced Programming	CIT3002 (T)	3
CMP3040	Forensic Computing OR	NONE	3
BIO3004	Introduction to Bioinformatics	PHS1019	3
Year 3 - Semester 2			
RES3024	Computing Research Methods	COM1020	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
Year 4 - Semester 1			
PRJ4020	Major Project (<i>Yearlong project</i>)	RES3001 or RES3024	3
CMP3011	Computer Organisation and Assembly	CMP1005	3
CMP4011	Artificial Intelligence	CIT3006	4
MAT1043	Linear Algebra	MAT1047	3
	SCIT Upper-Level Elective		3/4
Year 4 - Semester 2			
CIT4036	Professional Development Seminar	Level 4	1
ENT3001	Entrepreneurship	NONE	3
CIT4004	Analysis of Programming Languages	CMP4011	3
	SCIT Upper-Level Elective		3/4
	University Elective		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.