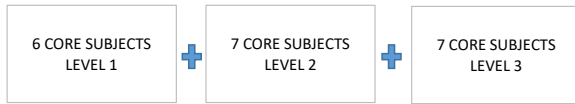# STUDY PLAN
BACHELOR OF INFORMATION TECHNOLOGY

Applicable for students who joined BIT from SP52/2015 to SP51/2023

COURSE STRUCTURE

6 CORE SUBJECTS LEVEL 1	+	7 CORE SUBJECTS LEVEL 2	+	7 CORE SUBJECTS LEVEL 3	+

Admitted from SP51/2022 to SP51/2023
5 Elective subjects including:
4 any undergraduate (UG) level 1/2/3
& 1 any UG level 2/3.

Admitted before SP51/2022
4 subjects from Minor as stated in your contract & 1 any Undergraduate subject level 2/3
OR
5 Elective subjects including 4 any undergraduate (UG) level 1/2/3 & 1 any UG level 2/3

IMPORTANT NOTE :

1) 1 subject is equivalent to 3 credit points.

2) Maximum 10 Level 1 subjects (including core subjects, elective subjects and advanced standing components) are allowed for enrolment in BIT program.

3) Pay attention at the requirement of subjects at the "Pre-requisites" column

	Subject Code	Subject Name	Prerequisites	SP51 2023	SP52 2023	SP53 2023	SP51 2024	TR2 2024	TR3 2024
Core Subjects Level 1	CP1401	Problem Solving and Programming I		✓	✓	✓	✓	✓	✓
	CP1402	Internet Fundamentals		✓	✓	✓	✓	✓	✓
	CP1403	Design Thinking I		✓	✓	✓	✓	✓	✓
	CP1404	Programming II	CP1401	✓	✓	✓	✓	✓	✓
	CP1406	Web Design and Development		✓	✓	✓	✓	✓	✓
	MA1020	Preparatory Mathematics		✓	✓	✓	✓	✓	✓
Core Subjects Level 2	CP2403	Information Processing and Visualisation	Minimum 12 credit points of subjects. Inadmissable with CP3413		✓	✓		✓	
	CP2404	Database Modelling		✓		✓	✓	✓	
	CP2405	Collective Intelligence and Entrepreneurship	Minimum 24 credit points.	✓	✓		✓	✓	
	CP2406	Programming III	CP1404	✓		✓	✓		✓
	CP2408	Design Thinking II	CP1403	✓	✓	✓	✓	✓	✓
	CP2414	Network Security	CP1402 OR BBUS student with 3 credit points of CP subjects	✓		✓	✓		✓
Core Subjects Level 3	CP3401	e-Strategic Management	Minimum of 24 credit points		✓		✓		✓
	CP3402	Content Management Systems	CP1404 and CP1406 and 24 credit points of CP subjects	✓		✓		✓	
	CP3403	Data Mining	(CP2403 and CP2404) or (18 credit points of subjects including 6 credit points of CP subjects).	✓	✓		✓	✓	
	CP3404	Information Security	(CP2414) or (18 credit points of subjects including CP1402).	✓		✓		✓	
	CP3405	Design Thinking III	CP2408	✓	✓	✓	✓	✓	✓
	CP3406	Mobile Computing	CP1404 and 18 credit points of CP subjects	✓		✓	✓		✓
	* CP3101 CP3102 ** CP3103	Professional Internship or Multi-Disciplinary Project or Independent Project	36 credit points of CP subjects	✓	✓	✓	✓	✓	✓

* CP3101 : To apply for this subject student need to apply to Careers Office at least 1 term ahead (careers-singapore@jcu.edu.au). To extend 1 trimester of studies so Professional Internship is the last subject remaining.

** CP3103 requires you to be already in paid employment in an organization to develop an independent IT related project for the workplace/industry. Students will be required to prepare a project proposal relevant to their degree (which would require subject coordinator/lecturer approval).

Plus choose one of below Options.
(Option 1 & 2 is only available for students admitted before SP51 2022).

		Subject Code	Subject Name	Prerequisites	SP51 2023	SP52 2023	SP53 2023	SP51 2024	TR2 2024	TR3 2024
Option 1	**Human Computer Interaction and Games Design Minor (HCI&GD)**	CP1405	Gamification			✓		✓		
		CP2411	3D Modelling and Animation	6 credit points of CP subjects	✓			✓		
		CP2412	Game Design and Technologies	6 credit points of CP subjects	✓				✓	
		CP3408	Game Engine and Simulation	CP1404 and 18 credit points of CP subjects		✓				✓

Plus 3 credit points of any undergraduate subjects (student can choose subjects from minor or refer to other undergraduate program study plan to choose subjects you are interested e.g. Business, Arts, Psychology,.. Please make sure you meet pre-requisite of that subject)

		Subject Code	Subject Name	Prerequisites	SP51 2023	SP52 2023	SP53 2023	SP51 2024	TR2 2024	TR3 2024
Option 2	**Computer Science and Networking (CS&N) Minor**	CP1407	Introductory Machine Learning and Data Science		✓			✓	✓	
		CP2409	Network Forensics and Data Communications	CP1402	✓		✓		✓	
		CP2410	Algorithms and Data Structures	6 credit points of CP subjects	✓		✓		✓	
		CP3407	Advanced Software Engineering	CP1404 and 18 credit points of CP subjects	✓	✓		✓	✓	

Plus 3 credit points of any undergraduate subjects (student can choose subjects from minor or refer to other undergraduate program study plan to choose subjects you are interested e.g. Business, Arts, Psychology,.. Please make sure you meet pre-requisite of that subject)

15 credit points (5 subjects) of any undergraduate subjects (student can choose subjects from minor or refer to other undergraduate program study plan to choose subjects you are interested e.g. Business, Arts, Psychology,.. Please make sure you meet pre-requisite of that subject)
- Must take at least 1 Level 2 or Level 3 undergraduate elective subject (3 credit points).

Recommended subjects: Subjects listed in Option 1 & 2 and subjects listed below:

		Subject Code	Subject Name	Prerequisites	SP51 2023	SP52 2023	SP53 2023	SP51 2024	TR2 2024	TR3 2024
Option 3	**No Minor**	CP1409	Operating Systems and Shell Scripting			✓	✓	✓	✓	✓
		CP1410	Cybersecurity and Cryptography Fundamentals	CP1402 and CP1409		✓	✓	✓	✓	✓
		CP2421	Machine Learning for Cybersecurity	CP1401 and MA1580		✓		✓		✓
		CP2422	Cloud and Data Centre Security	CP1401		✓	✓		✓	✓
		CP2423	Cybersecurity Infrastructure and Management	CP1401 and CP1410		✓	✓	✓		✓
		CP2424	Cybersecurity Risk Management	12 credit points of CP subjects including CP1410	✓		✓	✓	✓	
		CP3414	Ethical Hacking	CP2422, CP2423	✓	✓	✓	✓	✓	✓
		CP3415	Strategy and Governance	CP2424		✓		✓		✓
		CP3416	Behavioural Cybersecurity	36 credit points of CP or MA subjects		✓		✓		✓
		CP3417	Cybersecurity for Operational Technology	CP2423	✓		✓		✓	
		CP3418	Best Practices in Cybersecurity	CP3414	✓	✓	✓	✓	✓	✓

Note: Changes that are recently made will be highlighted in yellow and/or red fonts.

Disclaimer: The above information is correct as below date. Due to unforeseen situation/s there might be change/s done in subject offerings before each trimester. Your understanding is greatly appreciated.