

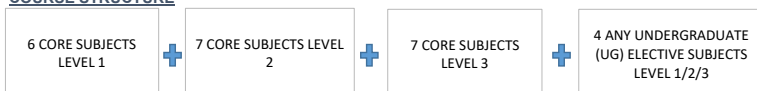
# STUDY PLAN

## BACHELOR OF INFORMATION TECHNOLOGY

Applicable for students who joined BIT from SP52/2023 onwards



### COURSE STRUCTURE



### 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	Year 2025			Year 2026		
				TR1S 2025	TR2 2025	TR3 2025	TR1S 2026	TR2 2026	TR3 2026
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		✓		✓	✓		✓
	CP1407	Introductory Machine Learning and Data Science		✓	✓		✓	✓	
Core Subjects Level 2	CP2403	Information Processing and Visualisation	Minimum 12 credit points of subjects. (Inadmissible with CP3413)	✓		✓	✓		✓
	CP2404	Database Modelling		✓		✓	✓		✓
	CP2406	Programming III	CP1404	✓		✓	✓		✓
	CP2408	Design Thinking II	CP1403	✓	✓	✓	✓	✓	✓
	CP2414	Network Security	For BBUS Student: 3 credit points of CP subjects; For Student in other Program CP1402	✓		✓	✓		✓
	CP2501	Cloud Computing	Inadmissible Subject Combinations: CP3511	✓		✓	✓		✓
Core Subjects Level 3	MA2011	Discrete Mathematics for Computing	Algebra and arithmetic to a year 10 standard		✓	✓		✓	✓
	CP3403	Data Mining	(CP2403 and CP2404) or (18 credit points of subjects including 6 credit points of CP subjects).Inadmissible Subject : CP5634	✓	✓		✓		✓
	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	✓		✓		✓	✓
	CP3407	Advanced Software Engineering	CP1404 and 18 credit points of CP subjects	✓	✓		✓	✓	
	CP3501	Deep Learning		✓	✓		✓	✓	
	* CP3101 CP3102	Professional Internship or Multidisciplinary Project							

\* 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.

### Plus 4 ANY UNDERGRADUATE (UG) ELECTIVE SUBJECTS LEVEL 1/2/3

12 credit points (4 subjects) of any undergraduate subjects: student can choose subjects from other undergraduate programs. Please make sure you meet pre-requisite of that subject)

### Recommended subjects: Subjects listed below:

			TR1S 2025	TR2 2025	TR3 2025	TR1S 2026	TR2 2026	TR3 2026
CP1409	Operating Systems and Shell Scripting		✓		✓	✓		✓
CP1410	Cybersecurity and Cryptography Fundament	CP1402 and CP1409		✓	✓	✓		✓
CP2405	Collective Intelligence and Entrepreneurship	Minimum 24 credit points.	✓		✓		✓	
CP2409	Network Forensics and Data Communications	CP1402	✓		✓		✓	
CP2410	Algorithms and Data Structures	6 credit points of CP subjects		✓		✓		✓
CP2411	3D Modelling and Animation	6 credit points of CP subjects		✓			✓	
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	✓	✓	✓	✓		✓
MA1000	Mathematical Foundations	MA1020 OR Maths B OR Maths C	✓	✓	✓	✓	✓	

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.

Updated on 19 Aug 2025