

STUDY PLAN FOR BACHELOR OF INFORMATION TECHNOLOGY

Applicable for students who joined BIT from SP52/2015 onwards



		Subject Code	Subject Name	Prerequisite	SP51/21	SP52/21	SP53/21	SP51/22	SP52/22	SP53/22		
Core Subjects Level 1		CP1401	Problem Solving and Programming I		✓	✓	✓	✓	✓	✓		
		CP1402	Internet Fundamentals		✓	✓	✓	✓	✓	✓		
		CP1403	Design Thinking		✓	✓	✓	✓	✓	✓		
		CP1404	Programming II	CP1401/CP1801	✓	✓	✓	✓	✓	✓		
		CP1406	Web Design and Development		✓	✓	✓	✓	✓	✓		
		MA1020	Preparatory Mathematics			✓	✓	✓	✓	✓		
Core Subjects Level 2		CP2403	Information Processing and Visualisation	Minimum 12 credit points of subjects.		✓	✓		✓	✓		
		CP2404	Database Modelling		✓		✓		✓			
		CP2405	Collective Intelligence and Entrepreneurship	Minimum 24 credit points.	✓	✓		✓	✓			
		CP2406	Programming III	CP1404/CP1804/CP1300	✓		✓	✓		✓		
		CP2408	Design Thinking and Creative IT Industries	CP1403/CP1803	✓	✓	✓	✓	✓	✓		
Core Subjects Level 3		CP2414	Network Security	12 credit points of CP subjects	✓		✓	✓	✓	✓		
		CP3401	e-Strategic Management	Minimum of 24 credit points		✓		✓		✓		
		CP3402	Content Management Systems	CP1404/CP1804 and CP1406/CP1806 and 24 credit points of CP subjects	✓		✓		✓			
		CP3403	Data Mining	CP2403 and CP2404 or 6 credit points of CP subjs and 12 credit points of subjs.	✓	✓		✓	✓			
		CP3404	Information Security	CP2414 or 6 credit points of CP subjs. and 12 credit points of subjs.	✓		✓		✓			
		CP3405	Design Thinking and Project Management	CP2408	✓	✓	✓	✓	✓	✓		
		CP3406	Mobile Computing	CP1404/CP1804 & 18 credit points of CP subjects or CP1404/CP1804 & admitted to BIT, BSC	✓		✓	✓		✓		
	CP3101 CP3102 CP3103	Professional Internship or Multi-Disciplinary Project or Independent Project	36 credit points of CP subjects	✓	✓	✓	✓	✓	✓			
Plus choose one of below Options. (Option 1 & 2 is only available for students admitted before SP51 2022).					SP51/21	SP52/21	SP53/21	SP51/22	SP52/22	SP53/22		
Option 1 (Minor HCI & GD)	Human Computer Interaction and Games Design Minor (HCI&GD)	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/CP1804 and 18 credit points of CP subjects		✓		✓		✓		
		CP1405	Gamification			✓		✓		✓		
Plus 3 credit points of any undergraduate subjects (refer to undergraduate program study plan e.g. Business, Arts, Psychology)												
Option 2 (Minor CS & N)	BIT-Computer Science and Networking (CS&N) Minor	CP2409	Network Forensics and Data Communications	CP1402/CP1802/CP2012/CP2231		✓		✓	✓			
		CP2410	Algorithms and Data Structures	6 credit points of CP subjects	✓		✓		✓			
		CP3407	Advanced Software Engineering	CP1404/CP1804 and 18 credit points of CP subjects	✓	✓		✓	✓			
		CP1407	Introductory Machine Learning and Data Science			✓						
Plus 3 credit points of any undergraduate subjects (refer to undergraduate program study plan e.g. Business, Arts, Psychology)												
Option 3 (No Minor)	No Minor	15 credit points of any undergraduate subjects (from other undergraduate program e.g. Business, Arts, Psychology) - Must take at least 1 Level 2 or Level 3 undergraduate elective subject.										
		Recommended subjects: Subjects listed in Option 1 & 2 and subjects listed below:				SP51/21	SP52/21	SP53/21	SP51/22	SP52/22	SP53/22	
		CP1409	Operating Systems and Shell Scripting	CP1401/CP1801		✓	✓	✓		✓		
		CP1410	Cybersecurity and Cryptography Fundamentals	CP1402/CP1802		✓	✓		✓	✓		
		CP2421	Machine Learning for Cybersecurity	CP1401, MA1580		✓		✓		✓		
		CP2422	Cloud and Data Center Security	CP1401/CP1801			✓		✓	✓		
		CP2423	Cybersecurity Infrastructure and Management	CP1401/CP1801		✓		✓		✓		
		CP2424	Cybersecurity Risk Management	12 credit points of CP subjects		✓		✓	✓			
		CP3414	Ethical Hacking	CP2422, CP2423				✓	✓	✓		
		CP3415	Strategy and Governance	CP2424				✓		✓		
		CP3416	Behavioral Cybersecurity	36 credit points of CP or MA subjects				✓		✓		
		CP3417	Cybersecurity for Operational Technology	CP2423					✓		✓	
		CP3418	Best Practices in Cybersecurity	CP2422, CP2423					✓		✓	

Disclaimer: The above information is correct as below date. JCU Singapore reserves right to alter any changes to the above information without prior notice.

Important note: Maximum 10 level 1 subjects (including core subjects, elective subjects and advanced standing components) are allowed for enrolment in BIT program.

Updated on 06 September 2021