

# STUDY PLAN FOR BACHELOR OF CYBERSECURITY



	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		✓	✓	✓	✓	✓	✓
	CP1404	Programming II	CP1401/CP1801	✓	✓	✓	✓	✓	✓
	CP1406	Web Design and Development		✓	✓	✓	✓	✓	✓
	MA1000	OR Mathematical Foundations	Select 1	MA1020 OR Maths B OR Maths C	✓	✓	✓	✓	✓
	MA1020	Preparatory Mathematics		✓	✓	✓	✓	✓	✓
	MA1580	Foundations of Data Science		✓	✓	✓	✓	✓	✓
	CP1409	Operating Systems and Shell Scripting	CP1401	✓	✓	✓	✓	✓	✓
	CP1410	Cybersecurity and Cryptography Fundamentals	CP1402	✓	✓	✓	✓	✓	✓
Core subjects level 2	CP2403	Information Processing and Visualization	Minimum 12 credit points of subjects.	✓	✓	✓	✓	✓	✓
	CP2404	Database Modelling		✓	✓	✓	✓	✓	✓
	CP2406	Programming III	CP1404/CP1804/CP1300	✓	✓	✓	✓	✓	✓
	CP2409	Network Forensics and Data Communications	CP1402/CP1802/CP2012	✓	✓	✓	✓	✓	✓
	CP2421	Machine Learning for Cybersecurity	CP1401 and MA1580	✓	✓	✓	✓	✓	✓
	CP2422	Cloud and Data Centre Security	CP1401/CP1801	✓	✓	✓	✓	✓	✓
	CP2423	Cybersecurity Infrastructure and Management	CP1401/CP1801	✓	✓	✓	✓	✓	✓
	CP2424	Cybersecurity Risk Management	12 credit points of CP subjects	✓	✓	✓	✓	✓	✓
Core subjects level 3	CP3403	Data Mining	(CP2403 & CP2404) or (6 credit points of CP subjs) and 12 credit points of subjs.	✓	✓	✓	✓	✓	✓
	CP3406	Mobile Computing	CP1404/CP1804 & 18 credit points of CP subjects or CP1404/CP1804 & admitted to BIT, BSC	✓	✓	✓	✓	✓	✓
	CP3405	Design Thinking and Project Management	CP2408	✓	✓	✓	✓	✓	✓
	CP3407	Advanced Software Engineering	CP1404/CP1804 and 18 credit points of CP subjects	✓	✓	✓	✓	✓	✓
	CP3414	Ethical Hacking	CP2422, CP2423	✓	✓	✓	✓	✓	✓
	CP3415	Strategy and Governance	CP2424	✓	✓	✓	✓	✓	✓
	CP3418	Best Practices in Cybersecurity	CP2422, CP2423	✓	✓	✓	✓	✓	✓
	CP3416	OR Behavioural Cybersecurity	Select 1	36 credit points of CP or MA subjects	✓	✓	✓	✓	✓
	CP3417	Cybersecurity for Operational Technology	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.

Updated on 06 September 2021