STUDY PLAN
BACHELOR OF CYBERSECURITY
For student admitted from SP51/2024 onwards

COURSE STRUCTURE FOR BACHELOR OF CYBERSECURITY

JAMES COOK UNIVERSITY SINGAPORE

8 core subjects Level 1	+	8 core subjects Level 2	+	7 core subjects Level 3	+	1 any Level 1/2/3 UG elective

GENERAL INFORMATION

1) 1 subject is equal to 3 credit points.

2) CP/MA subjects refers to Computing Science/ IT subjects/ Mathematics/ Statistics subjects (Subjects with prefix MA & CP)

	Subject Code	Subject Name	Prerequisite	Year 2024		
				SP51 2024	TR2 2024	TR3 2024
Core subjects Level 1	CP1401	Problem Solving and Programming I		√	√	√
	CP1402	Internet Fundamentals		√	√	√
	CP1404	Programming II	CP1401	√	√	√
	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	MA1000 or MA1020 or Maths B	√		√
	CP1409	Operating Systems and Shell Scripting		√	√	√
	CP1410	Cybersecurity and Cryptography Fundamentals	CP1402 and CP1409	√	√	√
Core subjects Level 2	CP2403	Information Processing and Visualisation	Minimum 12 credit points of subjects.(Inadmissible with		√	√
	CP2404	Database Modelling		√	√	
	CP2406	Programming III	CP1404	√		√
	CP2408	**Design Thinking II**	CP1403	√	√	√
	CP2409	Network Forensics and Data Communications	CP1402		√	
	MA2011 OR	**Discrete Mathematics for Computing** Select 1	Algebra and arithmetic to a year 10 standard	√		√
	CP2421	Machine Learning for Cybersecurity	CP1401 and MA1580	√		√
	CP2422	Cloud and Data Centre Security	CP1401		√	√
	CP2423	Cybersecurity Infrastructure and Management	CP1401 and CP1410	√		√
Core subjects Level 3	CP3403	Data Mining	(CP2403 and CP2404) or (18 credit points of subjects including 6 credit points of CP subjects).Inadmissible Subject : CP5634	√	√	
	CP3405	Design Thinking III	CP2408	√	√	√
	CP3406 OR	Mobile Computing Select 1	CP1404 and 18 credit points of CP subjects	√		√
	CP3407	Advanced Software Engineering	CP1404 and 18 credit points of CP subjects	√	√	
	CP3414	Ethical Hacking	CP2422, CP2423	√	√	√
	CP3416	Behavioural Cybersecurity	36 credit points of CP or MA subjects	√		
	CP3417	Cybersecurity for Operational Technology	CP2423		√	
	CP3101 OR	**Professional Internship** Select 1	36CP OF CP SUBJECTS	√	√	√
	CP3418	Best Practices in Cybersecurity	CP3414	√	√	√

PLUS
Select 3 credit points of **Level 1, 2 or 3** subject. (1 subject) *
* Student can choose subjects from other undergraduate programs (such as BBUS, BCOM, BTHE,..), please make sure you meet the pre-requisite of that subject.

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

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.