STUDY PLAN
BACHELOR OF CYBERSECURITY

COURSE STRUCTURE FOR BACHELOR OF CYBERSECURITY

8 core subjects Level 1	➕	8 core subjects Level 2	➕	8 core subjects Level 3

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 2023			Year 2024		
				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		✔	✔	✔	✔	✔	✔
	CP1404	Programming II	CP1401	✔	✔	✔	✔	✔	✔
	CP1406	Web Design and Development		✔	✔	✔	✔	✔	✔
	MA1000 **OR** (Select 1)	Mathematical Foundations	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 Visualization	Minimum 12 credit points of subjects. (Inadmissible with CP3413)		✔	✔		✔	✔
	CP2404	Database Modelling		✔		✔	✔	✔	
	CP2406	Programming III	CP1404	✔		✔	✔		✔
	CP2409	Network Forensics and Data Communications	CP1402	✔		✔		✔	
	CP2421	Machine Learning for Cybersecurity	CP1401, 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	✔		✔	✔	✔	
Core subjects Level 3	CP3403	Data Mining	(CP2403 & CP2404) or (18 credit points of subjects including 6 credit points of CP subjects)	✔	✔		✔	✔	
	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	✔	✔		✔	✔	
	CP3414	Ethical Hacking	CP2422, CP2423	✔	✔	✔	✔	✔	✔
	CP3415	Strategy and Governance	CP2424		✔		✔		✔
	CP3416 **OR** (Select 1)	Behavioural Cybersecurity	36 credit points of CP/MA subjects		✔		✔		✔
	CP3417	Cybersecurity for Operational Technology	CP2423	✔		✔		✔	
	CP3418	Best Practices in Cybersecurity	CP3414	✔	✔	✔	✔	✔	✔

Note: Subject(s) with title(s) in Italic format reflects a recent name change with effect from SP53 2022 onwards.
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.

Updated on 03 August 2023