

# STUDY PLAN

## BACHELOR OF CYBERSECURITY



### General Information

- 1) 1 Subject is equal to 3 credit points
- 2) CP/MA subjects refers to Computing Science/ IT subjects/ Mathematics/ Statistics subjects (Subject with prefix MA & CP)

	Subject Code	Subject Name	Prerequisite	Year 2022			Year 2023		
				SP51/22	SP52/22	SP53/22	SP51/23	SP52/23	SP53/23
Core subjects Level 1	CP1401	Problem Solving and Programming I		✓	✓	✓	✓	✓	✓
	CP1402	Internet Fundamentals		✓	✓	✓	✓	✓	✓
	CP1404	Programming II	CP1401	✓	✓	✓	✓	✓	✓
	CP1406	Web Design and Development		✓	✓	✓	✓	✓	✓
	MA1000	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		✓	✓		✓	✓
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	✓		✓		✓	✓
	CP2424	Cybersecurity Risk Management	12 credit points of CP subjects	✓	✓		✓		✓
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 and Project Management	CP2408	✓	✓	✓	✓	✓	✓
	CP3406	Mobile Computing	(CP1404 & 18 credit points of CP subjects) or (CP1404 & admitted to BIT/ BSC)	✓		✓	✓		✓
	CP3407	Advanced Software Engineering	CP1404 and 18 credit points of CP subjects	✓	✓		✓	✓	
	CP3414	Ethical Hacking	CP2422, CP2423	✓	✓	✓	✓	✓	✓
	CP3415	Strategy and Governance	CP2424	✓		✓		✓	
	CP3416	Behavioural Cybersecurity	36 credit points of CP/MA subjects	✓		✓		✓	
	CP3417	Cybersecurity for Operational Technology	CP2423		✓		✓		✓
CP3418	Best Practices in Cybersecurity	CP3414		✓	✓	✓	✓	✓	

**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 12 August 2022