

M.Sc. in Cyber Security Programme Structure

Semester I		
Sl. No	Course Name	Credits
Hard Core		
1	CSCH 401 : Introduction to Cybersecurity	4
2	CSCH 402 :Unix and Shell Programming	4
3	CSCH 403 : Data Structure	4
Soft Core		
4	CSCS 404 : Mathematical Foundations	3
5	CSCS 405 : Problem Solving using Python	
6	CSCS 406 : E-Commerce and E-Governance	
7	CSCS 407 : Computer Networks	
8	CSCS 408 : Foundation of Cryptography	
Practicals		
9	CSCP 409 : Data Structures Laboratory	2
10	CSCP 410 : Unix & Shell Programming Laboratory	2
Total		22

Semester II		
Sl. No	Course Name	Credits
Hard Core		
1	CSCH 451 : Design and Analysis of Algorithms	4
2	CSCH 452 : Network Security	4
3	CSCH 453 : Data Communication	4
Soft Core		
4	CSCS 454 : Design of Cryptographic Algorithms	3
5	CSCS 455 : Cyber Threat Intelligence	
6	CSCS 456 : Cloud Computing and Security	
7	CSCS 458 : Internet of Things	
Practicals		
8	CSCP 459 : Network Security Laboratory	2
9	CSCP 460 : Data and Analysis of Algorithms Laboratory	2
Seminar		
10	CSCS 461: Seminar on latest trends and techniques in Cybersecurity	1
Open Choice		
11	CSCO 462 : Introduction to Cybersecurity	3
Total		26