

M.Sc. Cyber Security
Academic Year: 2025-2027
Total Credits: 83

Semester-I							Semester-II						
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C		
MAS6119	Mathematical Foundation to Computer Science	3	1	0	4	CAP6207	Network Protection and Cryptographic Techniques	3	1	0	4		
CAP6109	Computer Networking Principles and Protocols	3	1	0	4	CAP6208	Automation with Python	3	1	0	4		
CAP6110	Cybersecurity: Concepts and Applications	3	1	0	4	CAP6209	Web Application Security	3	1	0	4		
CAP6111	Programming & Problem-Solving using C	3	1	0	4	CAP6211	Intrusion Detection Systems	3	1	0	4		
CAP6112	OS and Shell Programming	3	1	0	4	CAP62XX	Program Elective-I	3	0	0	3		
CAP6135	Cybersecurity: Concepts and Applications Lab	0	0	2	1	CAP6236	Automation with Python Lab	0	0	2	1		
CAP6136	Programming & Problem-Solving using C Lab	0	0	2	1	CAP6237	Intrusion Detection Systems Lab	0	0	2	1		
CAP6137	OS and Shell Programming Lab	0	0	2	1	CAP6238	Pragmatic Learning	0	0	2	1		
Total		15	5	6	23	Total		15	4	6	22		
Total contact hours		26				Total contact hours		25					
Semester-III							Semester-IV						
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C		
CAP7107	Secure Protocol Design	3	1	0	4	CAP7271	Major Project	0	0	0	16		
CAP7108	Ethical Hacking and Penetration Testing	3	1	0	4								
CAP7109	Cyber law and Regulation of Cyberspace	3	1	0	4								
CAP71XX	Program Elective-II	3	0	0	3								
CAP71XX	Program Elective-III	3	0	0	3								

CAP7134	Minor Project	0	0	4	2						
CAP7135	Secure Protocol Design LAB	0	0	2	1						
CAP7136	Ethical Hacking and Penetration Testing Lab	0	0	2	1						
	Total	15	3	8	22				0	0	0
	Total contact hours	26				Total contact hours	0				