

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	16
	Total contact hours	26						Total contact hours	0		