School of Computational & Applied Sciences
Department of Cyber Science & Technology
Programme: Master of Science in Advanced Networking and Cyber Security 2021

Semester-I

Course Code	Course Name	Course type	L-T-P	Credits	Total Marks
MNCS101	Core Hardware	Core	4-0-0	4	100
MNCS191	Core Hardware & Troubleshooting Lab	Core	0-0-4	2	100
MNCS102	Computer Networks	Core	4-0-0	4	100
MNCS192	Computer Networks Lab	Core	0-0-4	2	100
MNCS103	Linux System Engineering – I	Core	4-0-0	4	100
MNCS193	Linux System Engineering – I Lab	Core	0-0-4	2	100
MNCS104	Windows Server Infrastructure	Core	4-0-0	4	100
MNCS194	Windows Server Infrastructure Lab	Core	0-0-4	2	100
MNCS(HU)191	English Communication Lab	Soft Core	0-0-4	2	100
	Total			26	900

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Semester-II

Course Code	Course Name	Course type	L-T-P	Credits	Total Marks
MNCS201	Routing Associate	Core	4-0-0	4	100
MNCS291	Routing Associate Lab	Core	0-0-4	2	100
MNCS202	Mail Server Configuration	Core	4-0-0	4	100
MNCS292	Mail Server Configuration Lab	Core	0-0-4	2	100
MNCS203	Linux System Engineering – II	Core	4-0-0	4	100
MNCS293	Linux System Engineering – II Lab	Core	0-0-4	2	100
MNCS204	Cyber Risk Management	Core	4-0-0	4	100
MNCS294	Python Programming Lab	Core	0-0-4	2	100
MNCS(HU)291	Business Communication Lab	Soft Core	0-0-4	2	100
	Total			26	900

Semester-III

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
MNCS301	Routing Professional	Core	4-0-0	4	100
MNCS391	Routing Professional Lab	Core	0-0-4	2	100
MNCS302	Vulnerability Analysis and Penetration Testing	Core	4-0-0	4	100
MNCS392	Vulnerability Analysis and Penetration Testing Lab	Core	0-0-4	2	100
MNCS303	Malware Analysis and Reverse Engineering	Core	4-0-0	4	100
MNCS393	Malware Analysis and Reverse Engineering Lab	Core	0-0-4	2	100
MNCS304	A. Steganography B. Biometric Security	Open Elective	4-0-0	4	100
MNCS381	Industrial Training	Core	0-0-4	2	100
	Total			24	800

Semester-IV

Course Code	Course Name	Course Type	L-T-P	Credits	Total Marks
ENV401	Disaster Management		2-0-0	2	100
MNCS401	Switching Professional	Core	4-0-0	4	100
MNCS491	Switching Professional Lab	Core	0-0-4	2	100
MNCS402	Auditing IT Infrastructure for Compliance	Core	4-0-0	4	100
MNCS492	Digital Forensic Lab with Python	Core	0-0-4	2	100
MNCS403	A. Enterprise Security Architecture and Design B. Research Methodology	Open Elective	4-0-0	4	100
MNCS493	Advanced Penetration Testing Lab with Python	Core	0-0-4	2	100
MNCS481	Project			6	100
	Total			26	800