

UNIVERSITY OF COMPUTER SCIENCE AND SKILLS

Module Structure of Bachelor of Computer Science (Network Technology and Cyber Security)

Semester 1

SN	Course Code	Course Title	ECTS Credits
1	CSC-101	Introduction to IT	6
2	CSC-102	Programming Fundamental using C	6
3	CSC-103	Data Communication & Networking	6
4	MTH-151	Computational Mathematics I (Continuous)	6
5	ENG-175	Communication English	6
		Total	30

Semester 2

SN	Course Code	Course Title	ECTS Credits
1	MTH-152	Computational Mathematics II (Discrete)	6
2	ENG-176	Technical & Professional Communication	6
3	CSC-104	Object Oriented Programming (C++ / Java)	6
4	CSC-105	Database Management System	6
5	CSC-106	Digital Electronics & Logic Design	6
		Total	30

Semester 3

SN	Course Code	Course Title	ECTS Credits
1	MTH-253	Numerical Method	6
2	CSC-201	Data Structure & Algorithm	6
3	CSC-202	Network Analysis & Design	6
4	CSC-203	Routing and Switching Essentials	6
5	CSC-204	Organization & Management	6
		Total	30

Semester 4

SN	Course Code	Course Title	ECTS Credits
1	CSC-205	Probability & Statistics	6
2	CSC-206	Network Operating System	6
3	CSC-207	Network & System Administration	6
4	CSC-208	Client Server Computing	6
5	CSC-209	Wireless and Mobile Communication	6
		Total	30

Semester 5

SN	Course Code	Course Title	ECTS Credits
1	CSC-301	Network Security	6
2	CSC-302	Network Programming	6
3	CSC-303	Research Methodology	6
4	CSC-304	Fundamentals of Project Management	6
5	CSC-305	Network Management	6
		Total	30

Semester 6

SN	Course Code	Course Title	ECTS Credits
1	CSC-306	Server Administration	6
2	CSC-307	Broadband Networks	6
3	CSC-308	Ethical hacking	6
4	CSC-309	Project I	6
5		Elective I	6
		Total	30

Semester 7

SN	Course Code	Course Title	ECTS Credits
1	CSC-401	Cyber Security & IOT	6
2	CSC-402	Artificial Intelligence	6
3	CSC-403	IT Acts and Cyber law	6
4	CSC-404	Project Dissertation – II	6
5		Elective II	6
		Total	30

Semester 8

SN	Course Code	Course Title	ECTS Credits
1.	CSC-409	Organization Behaviour and HRM	6
2.	CSC-410	Industrial Training	12
3.		Elective III	6
4.		Elective IV	6
		Total	30
		Grand Total	240

List of Elective Subjects

SN	Subject Code	Subject	Group
1.	CSC-310	Distributed Networking	Elective - I
2.	CSC-311	E-Governance	
3.	CSC-312	Data Center Design and Management	
4.	CSC-313	Linux for system Administration	
4.	CSC-405	Cryptography	Elective - II
5.	CSC-406	E-Commerce	
6.	CSC-407	Net Centric Design	
7.	CSC-408	Security Audit	
8.	CSC-411	GIS	Elective -III
9.	CSC-412	Advance Java Programming	

10.	CSC-413	Information Security	Elective-IV
11.	CSC-414	Cyber Forensics	
12.	CSC-415	Advanced Networking with IPv6	
13.	CSC-416	Cloud Computing	
14.	CSC-417	Introduction to Programming with Python	
15.	CSC-418	Criminal Evidences and Procedures	

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