

SCHEME OF STUDIES (Fall 2026 onwards)

SEMESTER-I			
Sr.	COURSE	CR. HRS.	CATEGORY
1	FQ-101 Understanding Quran – I	1 (0+1)	General Education
2	EN-100 Functional English	3 (3+0)	General Education
3	CSC-110 Applications of Information and Communication Technologies	3 (2+1)	General Education
4	Social Science Elective*	2 (2+0)	General Education
5	CSC-104 Problem Solving and Programming	4 (3+1)	Major
6	MA-101 Calculus & Analytical Geometry	3 (3+0)	IDS - Mandatory
Total Credits (16)			

SEMESTER-II			
Sr.	COURSE	CR. HRS.	CATEGORY
1	MA-203 Discrete Mathematics (QR-I)	3 (3+0)	General Education
2	PK-101 Pakistan Studies	2 (2+0)	General Education
3	FQ-102 Understanding Quran – II (for Muslim Students)	1 (0+1)	General Education
4	CSC-121 Object Oriented Programming	4 (3+1)	Major
5	CSC-103 Introduction to Computer Organization	3 (3+0)	Major
6	EN-100 Expository Writing	3 (3+0)	General Education
Total Credits (16)			

SEMESTER-III			
Sr.	COURSE	CREDIT HOURS	CATEGORY
1	MA-104 Fundamentals of Linear Algebra	3 (3+0)	IDS - Mandatory
2	Natural Science Elective*	3 (3+0)	General Education
3	IS-100 Islamic Studies/Ethics	2 (2+0)	General Education
4	CSC-211 Data Structures	4 (3+1)	Major
5	CSC-224 Database Systems	4 (3+1)	Major
Total Credits (16)			

SEMESTER-IV			
Sr.	COURSE	CR. HRS.	CATEGORY
1	SW-100 Civics and Community Engagement	2 (2+0)	General Education
2	PK-100 Ideology and Constitution of Pakistan	2 (2+0)	General Education
3	CSC-226 Operating Systems	3 (3+0)	Major
4	CSC-227 Software Engineering	4 (3+1)	Major
5	CSC-228 Computer Architecture & Assembly Language	4 (3+1)	Major
6	CSC-331 Theory of Automata	3 (3+0)	Major
Total Credits (18)			

SEMESTER-V			
Sr.	COURSE	CR. HRS.	CATEGORY
1	CSC-312 Computer Communication & Networks	3(3+0)	Major
2	ST-101 Probability and Statistics (QR-II)	3(3+0)	General Education
3	CSC-414 Artificial Intelligence	3(3+0)	Major
4	CSC-311 Analysis & Design of Algorithms	3 (3+0)	Major
5	IDS - III	3 (3+0)	IDS
6	IDS - IV	3 (3+0)	IDS
Total Credits (18)			

SEMESTER-VI			
Sr.	COURSE	CR. HRS.	CATEGORY
1	CSC-418 Cloud Computing	3	Major
2	CSC-411 Compiler Construction	3	Major
3	CSC-413 Information Security	3	Major
4	Elective-I**	3	Major
5	Elective-II**	3	Major
6	Elective-III**	3	Major
Total Credits (18)			

SEMESTER-VII			
Sr.	COURSE	CR. HRS.	CATEGORY
1	CSC-488 Software Entrepreneurship	2 (2+0)	General Education
2	Elective-IV**	3	Major
3	Elective-V**	3	Major
4	Elective-VI**	3	Major
5	CSC-419 Professional Certification***	3	Certification
6	Arts and Humanities Elective	2 (2+0)	General Education
Total Credits (16)			

SEMESTER-VIII			
Sr.	COURSE	CREDIT HOURS	CATEGORY
1	CSC-499 Final Year Project	6	Capstone Project
2	CSC-418 Field Experience****	NC	Field Experience
3	Elective-VII**	3	Major
4	Elective-VIII**	3	Major
Total Credits (12)			