Scheme of Study for semesters Fall 2023 onwards

Semester 1			Semester 2		
EN-100: Functional English	GE	3	EN-200: Expository Writing	GE	3
PK-100: Ideology & Constitution of Pakistan	GE	2	IS-100: Islamic Studies / Ethics	GE	2
MA-101: Calculus & Analytical Geometry	GE	3	Social Sciences Elective	GE	2
CSC-110: Applications of ICT	GE	2+1	PH-110: Introductory Mechanics and Waves	GE	3
CSC-104: Problem Solving & Programming	CC	3+1	MA-202: Multivariable Calculus	MS	3
			CSC-121: Object Oriented Programming	CC	3+1
Credit Hours		15	Credit Hours		17
Semester 3			Semester 4		
MA-203: Discrete Mathematics	GE	3	Civics and Community Engagement	GE	2
EN-2XX: Technical and Business Writing	MS	3	MA-302: Linear Algebra	MS	3
CSC-103: Introduction to Computer Org.	CC	3	CSC-222: Analysis & Design of Software Systems	CC	3
CSC-211: Data Structures	CC	3+1	CSC-224: Database Systems	CC	3+
CSC-212: Human Computer Interaction	DC	3	CSC-313: Computer Architecture	DC	3
Credit Hours		16	Credit Hours		15
Semester 5			Semester 6		
ST-101: Probability and Statistics	MS	3	CSC-331: Theory of Automata	DC	3
CSC-322: Software Construction	DC	2+1	CSC-325: Advanced Database Systems	DC	2+
CSC-226: Operating Systems	CC	2+1	CSC-215: Computer Org. & Assembly Language	CC	2+
CSC-311: Analysis & Design of Algorithms	CC	3	CSC-312: Computer Communications & Networks	CC	3
CSC-414: Artificial Intelligence	CC	3	Domain Elective 2	DE	3
Domain Elective 1	DE	3	Domain Elective 3	DE	3
Credit Hours 18		18	Credit Hours		18
Semester 7			Semester 8		
Entrepreneurship	GE	2	Elective Supporting	ES	3
Arts and Humanities Elective	GE	2	CSC-4XX: Introduction to Cyber Security	CC	3
CSC-411: Compiler Construction	DC	3	CSC-490: Project-II	CC	4
CSC-489: Project-I	CC	2	Domain Elective 6	DE	3
Domain Elective 4	DE	3	Domain Elective 7	DE	3
Domain Elective 5	DE	3			
Credit Hours 1:		15	Credit Hours		16

The students must do an internship of six to eight weeks during their degree. The internships will be coordinated by the internship coordinator.

Category	Abbr.	Cr. Hrs
Computing Core	(CC)	46
Domain Core	(DC)	18
Domain Elective	(DE)	21
Maths and Supporting	(MS)	12
Elective Supporting	(ES)	3
General Education	(GE)	30