

BS Computer Science				
Semester 1	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CP103	Introduction to Computing	3	20
	CP101	Introduction to Computing – Lab	1	20
	GE102	Basic Electronics	2	20
	GE101	Basic Electronics – Lab	1	20
	ENG110	Functional English	3	20
	PAK102	Ideology and Constitution of Pakistan	2	20
	AL183	Logic Thinking	3	20
	SS122	Financial Account	2	20
	Only for Medical background students			
	MAT103	Pre-Calculus	3	4
Semester 2	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CP113	Programming Fundamentals	3	4
	CP111	Programming Fundamentals-LAB	1	4
	AR102	Digital Logic and Design	2	4
	AR101	Digital Logic and Design-LAB	1	4
	ENG211	Expository Writing	3	4
	AL143	Discrete Structures	3	1
	MAT113	Calculus and Analytical Geometry	3	4
	CCE201	Civics and Community Engagement	2	4
	Only for Medical background students			
	MAT123	Elementary Algebra	3	4
	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections

Semester 3	CP223	Object Oriented Programming	3	20
	CP221	Object Oriented Programming-LAB	1	20
	AR223	Computer Organization and Assembly Language	3	20
	AR221	Computer Organization and Assembly Language-LAB	1	20
	MAT243	Multivariate Calculus	3	20
	SEP203	Professional Practices	2	20
	ENT102	Fundamentals of Entrepreneurship	2	20
	MAT253	Probability & Statistics	3	20
Semester 4	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CP233	Data Structure	3	3
	CP231	Data Structure – Lab	1	3
	DB203	Database Systems	3	3
	DB201	Database Systems - Lab	1	3
	SE203	Software Engineering	3	3
	MAT233	Linear Algebra	3	3
	ISL201	Islamic Studies	2	3
	SS102	Fundamentals of Psychology	2	1
	SS103	Sociology	2	1
	SS202	Introduction to Economics	2	1
Semester 5	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	ENG203	English III	3	15
	AR332	Operating Systems	2	15
	AR331	Operating Systems-LAB	1	15
	NS312	Information Security	2	15
	NS311	Information Security - Lab	1	15

Seme	AL352	Artificial Intelligence	2	15
	AL351	Artificial Intelligence - Lab	1	15
	PBD372	Web Technologies	3	3
	PBD352	3D Computer Graphics	3	2
	NS342	Cyber Security	3	3
	AI303	Programming for Artificial Intelligence	3	3
	SD423	Software Requirements Engineering	3	2
Semester 6	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	DB312	Advance Database Management Systems	2	3
	DB311	Advance Database Management Systems - Lab	1	3
	NS302	Computer Networks	2	3
	NS301	Computer Networks - Lab	1	3
	AL323	Theory of Automata	3	5
	AL303	Analysis of Algorithms	3	4
	CSDS4473	Big Data Analytics	3	2
	CSNC3453	Cloud Computing	3	2
	CSSE3163	Advanced Web Programming	3	2
	CSAL3243	Artificial Intelligence	3	1
	CSAL3241	Artificial Intelligence - Lab	1	1
	CSCS3553	Operating Systems	3	1
	CSCS3551	Operating Systems - Lab	1	1
	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CSNC2413	Computer Communications and Networks	3	2
	CSNC2411	Computer Communications and Networks - Lab	1	2
	CSNC3413	Information Security	3	13

Semester 7	CSCS4573	Compiler Construction	3	13
	CSAL4263	Numerical Computing	3	13
	CSMG3943	Organizational Behavior and Culture	3	5
	CSMG2913	Technology Entrepreneurship	3	5
	CSDB4313	Introduction to Data Science	3	4
	CSAL4243	Introduction to Machine Learning	3	4
	CSAL4253	Introduction to Natural Language Processing	3	4
	CSSE4173	Final Year Project 1 (FYP-I)	3	1
Semester 8	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CSGE4963	Professional Practices(PP)	3	7
	CSCS2543	Parallel and Distributed Computing	3	7
	CSSE4183	Final Year Project 2 (FYP-II)	3	1
	CSHU4213	Business Law	3	2
	CSMG4913	Fundamentals of Enterprise Resource Planning	3	2
	CSHU3873	Speak Well - English Conversation	3	2
	CSMG3953	Fundamentals of Marketing	3	2
	CSNC4403	Introduction to Cryptography	3	4
	CSAL4333	Intoduction to Deep Learning	3	2
	CSSE4193	Software Testing	3	3
	CSST4713	DevOps Fundamentals	3	2