

BSCS

BS Computer Science-BSCS			
Semesters	Course Code	Course Title	No. of Sections
Semester 1	CSCS1513	Introduction to Computing	12
	CSCS1511	Introduction to Computing-LAB	12
	CSSS1723	Basic Electronics	12
	ANT101	Anthropology	3
	PLS101	Introduction to Political Science	3
	PSY101	Introduction to Psychology	3
	INR101	Internation Relations	3
	ENG101	English Composition	12
	PAK101	Pakistan Studies	12
	ENT101	Fundamentals of Entrepreneurship	12
	CSSS1813	Pre-Calculus	3
	Semester 2	CSCP1013	Programming Fundamentals
CSCP1011		Programming Fundamentals-LAB	24
CSCS2523		Digital Logic and Design	24
CSCS2521		Digital Logic and Design-LAB	24
ENG102		Communication & Presentation Skills	24
CSSS1713		Calculus and Analytical Geometry	24
ANT101		Anthropology	6
PLS101		Introduction to Political Science	6
INR101		Internation Relations	6
PSY101		Introduction to Psychology	6
CSSS1853	Elementary Algebra	6	
	CSCP2023	Object Oriented Programming	9

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Semester 3	CSCP2021	Object Oriented Programming-LAB	9
	CSCS3543	Computer Organization and Assembly Language	9
	CSCS3541	Computer Organization and Assembly Language-LAB	9
	CSSS2733	Multivariate Calculus	9
	CSAL1213	Discrete Structure	9
	CSMG1923	Financial Accounting	4
	CSMG1933	Introduction to Business	5
Semester 4	CSCP2033	Data Structure & Algorithms	18
	CSCP2031	Data Structure & Algorithms-LAB	18
	CSDB2313	Introduction to Database Systems	18
	CSDB2311	Introduction to Database Systems-LAB	18
	CSSS2743	Probability and Statistics	18
	CSSS2753	Linear Algebra	18
	CSST3663	Microcontroller Programming and Interfacing	3
	CSAL4323	3D Computer Graphics	3
	CSDS4423	Programming for Big Data	4
	CS4163	Computer Architecture	3
	CSSE4153	Human Computer Interaction	5
	Semester 5	CSCS3553	Operating Systems
CSCS3551		Operating Systems-LAB	5
CSSE3113		Software Engineering - I	5
CSAL3233		Design and Analysis of Algorithm	5
CSSS2763		Differential Equation	5
CSSE3143		Web Application Development	3
CSCP3063		Mobile Application Development	2

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Semester 6	CSAL3243	Artificial Intelligence	13
	CSAL3241	Artificial Intelligence-LAB	13
	CSNC2413	Computer Communications and Networks	13
	CSNC2411	Computer Communications and Networks-LAB	13
	CSAL3253	Theory of Automata	13
	CSHU2813	Technical and Report Writing	13
	CSAL3283	Storytelling and Game Design	1
	CSDS4473	Big Data Analytics	3
	CSAL3203	Introduction to Image Processing	3
	CSIP3113	Digital Signal Processing	1
	CSAL3273	Mathematics for Machine Learning	2
	CSAL3273	Advance Web Programming	3
	CSO3001	Career Lab	5
Semester 7	CSNC3413	Information Security	4
	CSCS4573	Compiler Construction	4
	CSAL4263	Numerical Computing	4
	CSSE4173	Final Year Project 1	1
	CSMG3943	Organizational Behavior and Culture	2
	CSMG2913	Technology Entrepreneurship	2
	CSGE4963	Intro to Data Science	2
	CSCS4583	Digital Forensics	2
	CSGE4963	Professional Practices	7
	CSSE4183	Final Year Project 2	1
	CSCS2543	Parallel And Distributed Computing	7
	CSMG2943	The Aesthetic Approach	2

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Semester 8	CSMG4913	Fundamentals of Enterprise Resource Planning	3
	CSHU3873	Speak Well – English Conversation	2
	CSAL4243	Introduction to Machine Learning	3
	CSSE4123	Software Quality Assurance	2
	CSHU4213	Business Law	2
	CSSE4193	Software Testing	2