

Computer Science and Information Technology

First Year

Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
Fall Semester					Spring Semester				
CT-153	Programming Language.	2	1	3	CT-157	Data Structure Algorithms & Applications.	3	1	4
CT-174	Fundamentals of Information Tech.	2	1	3	CT-162	Discrete Structures.	3	0	3
MT-171	Differential & Integral Calculus.	3	0	3	CT-251	Object Oriented Programming.	3	1	4
EL-134	Basic Electronics.	3	1	4	HS-104	Functional English.	3	0	3
HS-205	Islamic Studies. OR	2	0	2	HS-105	Pakistan Studies. OR	2	0	2
HS-209	Ethical Behaviour.				HS-127	Pakistan Studies. (For Foreigners)			

Second Year

Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
Fall Semester					Spring Semester				
CS-251	Logic Design & Switching Theory.	3	1	4	CS-252	Computer Architecture & Organization.	3	1	4
CT-258	Financial & Cost Accounting.	3	0	3	CT-257	Database Management Systems.	3	1	4
CT-352	Computer Graphics.	3	1	4	CT-362	Web Engineering.	3	1	4
CT-259	System Design & Analysis.	3	0	3	HS-208	Business Communication & Ethics.	3	0	3
MT-273	Differential Equations & Linear Algebra.	3	0	3	MT-331	Probability & Statistics.	3	0	3

Third Year

Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
Fall Semester					Spring Semester				
CT-360	Visual Programming.	3	1	4	CS-351	Computer Communication Networks.	3	1	4
CS-353	Microprocessor & their Applications.	3	1	4	CT-354	Software Engineering.	3	0	3
CT-363	Design & Analysis of Algorithms.	3	0	3	CT-364	Theory of Automata & Formal Languages.	3	0	3
CT-353	Operating Systems.	3	1	4	CT-361	Artificial Intelligence & Expert Systems.	3	1	4
CT-462	Distributed Computing.	3	1	4	CT-366	E-Commerce.	3	0	3

Final Year

Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
Fall Semester					Spring Semester				
CT-464	Modelling & Simulation.	3	0	3	CS-451	Parallel Processing.	3	1	4
CT-463	Data Warehousing & Mining.	3	1	4	CT-465	Compiler Design.	3	0	3
CT-460	Network & Information Security.	3	1	4	HS-403	Entrepreneurship.	3	0	3
MT-442	Applied Numerical Methods.	3	0	3	CT-##	Elective Course.	3	1	4
CT-499	Software Based Project.	-	-	-	CT-499	Software Based Project.	0	6	6
					Elective Courses				
					CT-481 Wireless Network & Mobile Computing.				
					CT-482 Bio-Informatics.				
					CT-483 System Administration.				