

Scheme of Studies

Associate Degree in Computer Science

Nazeer Hussain University, Pakistan

I SEMESTER			Pre-Requisite
Code	Course Title	Cr. Hr.	Course Title
CS-102	Introduction to Information and Communication Technology	2+1	None
CS-101	Programming Fundamentals, Lab in C	3+1	None
HS-101	English Composition & Comprehension	3+0	None
NS-102	Calculus and Analytical Geometry	3+0	None
CS-212	Digital Logic Design	3+0	None
HS-103	Pakistan Studies	2+0	None
Total Credit		16+2=18	
II SEMESTER			
Code	Course Title	Cr. Hr.	Course Title
HS-102	Islamic Studies	2+0	None
HS-201	Technical and Business Writing	3+0	None
NS-101	Discrete Structures	3+0	None
NS-210	Multivariate Calculus	3+0	Calculus and Analytical Geometry
CS-111	Object Oriented Programming, Lab in Java	3+1	Programming Fundamentals
MS-307	University Elective – I (Principles of Marketing)	3+0	None
Total Credit		17+1=18	
III SEMESTER			
Code	Course Title	Cr. Hr.	Course Title
NS-110	Differential Equations	3+0	Calculus & Analytical Geometry
CS-201	Computer Organization & Assembly Language, Lab in Assembly	3+1	None
CS-204	Software Engineering	3+0	None
CS-211	Data Structures & Algorithms, Lab in C #	3+1	Discrete Structures
CS-213	Database Systems, Lab in MySQL	3+1	Programming Fundamentals
Total Credit		15+3=18	
IV SEMESTER			
Code	Course Title	Cr. Hr.	Course Title
CS-313	Artificial Intelligence, Lab in Python	3+1	Discrete Structures
CS-402	E-Commerce	3+0	None
MS-402	University Elective – II (Entrepreneurship)	3+0	None
CS-409	Mobile Application Development, Lab Android Studio	3+1	Object Oriented Programming
CS-299	Capstone Project	0+3	None
Total Credit		12+5=17	

Program Summary

Duration of Program	2 Years
Number of Semesters	4
Total Credit Hours	71
Total Number of Courses	22