

Degree: Bachelor of Science in Computer Science (Hons)
Field of Specialization: Computer Science

Roll No.: 20510107-020
Name of Student: Norman Tahir
Father's Name: Tahir Fazal
Campus/Affiliated Institute: Main Campus

Registration No.: 2020708913
Session: 2020-2024
Result Declaration Date: 18-July-2024

Course Code	Title of Course	Credit Hours	Grade	Remarks	Course Code	Title of Course	Credit Hours	Grade	Remarks
CS-2001 MT-2201 ENG-2001 EE-2101 SS-2201 MT-2205	Introduction to Computer Science Calculus & Analytical Geometry Communication Skills Electronics Human Elective Philosophy Probability and Statistics	3 3 3 3 4 3	B+ B+ C+ B+ B+ A+		CS-3103 CS-3204 CS-3402 CS-3902 CS-3203 MT-3206	Analysis of Algorithms Operating Systems Theory & Conc. Web Programming Object Oriented Analysis & Design Distributed Database Systems Operations Research	3 3 4 3 3 3	B+ A B+ B B+ A	
Total Credit Hours : 19		Semester GPA : 3.35			Total Credit Hours : 19		Semester GPA : 3.34		
CS-2101 MT-2202 CS-2401 ENG-2002 EE-2102 HU-2102	Discrete Structures Multi Variable Calculus Intro. to Computer Programming Business Comm. & Tech. Writing Digital Logic Design Persian / Islamic Studies	3 3 3 3 4 3	B+ C+ A B+ A+ B		CS-3204 CS-4301 CS-4801 CS-4501 GE-2901	Theory of Automata Net-Centric Computing Artificial Intelligence Computer Graphics Geographical Information Systems	3 4 4 3 3	C+ B+ B B+ B+	
Total Credit Hours : 19		Semester GPA : 3.30			Total Credit Hours : 16		Semester GPA : 3.40		
CS-3201 CS-2301 MT-2203 HU-2101 CS-2402 ACC-2501	Comp. Org. & Assembly Program Data Comm. & Net Comp. Networks Linear Algebra International Language Object Oriented Programming Financial Accounting	3 3 3 3 4 3	B+ B+ A+ B B A+		CS-4201 CS-3761 CS-3772 CS-3781	Compiler Construction Multimedia Systems Development Enterprise System Development Component Based Software Eng.	3 3 3 3	A+ A+ B+ B+	
Total Credit Hours : 19		Semester GPA : 3.32			Total Credit Hours : 12		Semester GPA : 3.50		
CS-3202 CS-3901 MT-3204 CS-3706 CS-3102 CS-3302	Computer Architecture Software Engineering-I Differential Equations Database System Data Structures and Algorithms Internet Architecture & Protocols	3 3 3 3 4 3	A B+ B+ C+ C C+		CS-3607 CS-3701 CS-4803 CS-3551 CS-4990	Enterprise System Development Software Quality Assurance Network Design Management Machine Learning Software Project	3 3 3 3 6	B+ A+ A+ B A	
Total Credit Hours : 19		Semester GPA : 3.30			Total Credit Hours : 16		Semester GPA : 3.55		
Degree Completed									

Date of Issuance: 27-August-2024

Total Credit Hours Completed: 141

CGPA: 3.35

Aggregate Marks Percentage: 83.75 %

Prepared by: *Pusaf*

Checked by Deputy Controller Examinations: *Shabb*

Additional Controller Examinations: *Shabb*

Controller of Examinations: *Shabb*



Attested
Muhammad Jamal
Attestation Officer
13 JUN 2025
Higher Education Commission
Government of Pakistan
Islamabad



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25 JUN 2025

Checked by Shabbir Ahmad
Private Secretary
SA

