

Khwaja Fareed University of Engineering & Information Technology

Program: Bachelor of Science in Computer Science (Lateral Entry)

Title: Bachelor of Science in Computer Science (Lateral Entry) Fall-2025

Semester #: 1			
Course Code	Course Title	Credit Hours	Pre Req Course Code
COSC-2202	Operating Systems-Lab	1	
COSC-3107	Machine Learning	3	
COSC-3115	Design & Analysis of Algorithms	3	
COSC-4120	Web Programming	3	
MATH-2122	Differential Equations	3	
MSCI-2116	Principles of Accounting	3	
COSC-2102	Operating Systems	3	
Credit Hours		19	
Semester #: 2			
Course Code	Course Title	Credit Hours	Pre Req Course Code
COSC-3102	Information Security	3	
COSC-3114	Computer Organization & Assembly Language	3	
COSC-2105	Theory of Automata	3	
COSC-3116	Mobile Application Development	3	
COSC-3121	Introduction to NLP	3	
COSC-3214	Computer Organization & Assembly Language-Lab	1	
Credit Hours		16	
Semester #: 3			
Course Code	Course Title	Credit Hours	Pre Req Course Code
COSC-3104	Compiler Construction	3	
COSC-4101	Parallel and Distributed Computing	3	
COSC-4121	Deep Learning and Applications	3	
COSC-4301	Final Year Project-I	3	
MATH-3116	Numerical Analysis	3	
Credit Hours		15	
Semester #: 4			
Course Code	Course Title	Credit Hours	Pre Req Course Code
COSC-4302	Final Year Project-II	3	
MSCI-3111	Entrepreneurship	3	
SSCI-2111	Professional Ethics	2	

COSC-4150	Routing & Switching	2	
Credit Hours		10	

Total Credit Hours: 60