

Khwaja Fareed University of Engineering & Information Technology

Program: Bachelor of Science in Mathematics (Lateral Entry)

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

Semester #: 1			
Course Code	Course Title	Credit Hours	Pre Req Course Code
MATH-3104	Partial Differential Equations	3	
MATH-3124	Algebra-II	3	
MATH-3131	Software Packages for Mathematics	3	
MATH-3107	Real Analysis-I	3	
PHYS-1102	Mechanics-II	3	
Credit Hours		15	
Semester #: 2			
Course Code	Course Title	Credit Hours	Pre Req Course Code
COSC-3109	Data Science	3	
MATH-3119	Complex Analysis	3	
MATH-3110	Real Analysis-II	3	
MATH-2106	Number Theory	3	
MATH-3118	Differential Geometry	3	
Credit Hours		15	
Semester #: 3			
Course Code	Course Title	Credit Hours	Pre Req Course Code
MATH-4166	Fluid Mechanics-I	3	
MATH-4182	Optimization Theory	3	
MATH-4101	Introduction to Vectors & Tensor Analysis	3	
MATH-3116	Numerical Analysis	3	
MATH-3117	Topology	3	
Credit Hours		15	
Semester #: 4			
Course Code	Course Title	Credit Hours	Pre Req Course Code
MATH-4103	Functional Analysis	3	
MATH-4105	Operation Research	3	
MATH-4156	Graph Theory	3	
MATH-4131	Computational Fluid Dynamics	3	
MATH-4122	Mathematical Methods	3	
Credit Hours		15	

Total Credit Hours: 60