

Khwaja Fareed University of Engineering & Information Technology

Program: Bachelor of Science in Information Technology

Title: BS Information Technology Fall-2025 (Medical)

Semester #: 1			
Course Code	Course Title	Credit Hours	Pre Req Course Code
INFT-1203	Programming Fundamentals - Lab	1	
INFT-1105	Introduction to ICT	2	
INFT-1205	Introduction to ICT-Lab	1	
INFT-1107	Applied Physics in Computing	3	
ISLS-1140	Seerat of the Holy Prophet Muhammad (SAW)	0	
QURN-1223	Understanding of Quran-I	1	
ISLS-1128	Islamic Studies	2	
MATH-1100	Calculus	3	
INFT-1103	Programming Fundamentals	3	
Credit Hours		16	
Semester #: 2			
Course Code	Course Title	Credit Hours	Pre Req Course Code
SSCI-2126	Introduction to Psychology	2	
ENGL-1118	Functional English	3	
MATH-1120	Applied Mathematics	3	
MATH-1106	Quantitative Reasoning-I	3	
INFT-1206	Digital Logic Design-Lab	1	
INFT-1106	Digital Logic Design	2	
INFT-1104	Object Oriented Programming	3	
INFT-1204	Object Oriented Programming-Lab	1	
PAKS-1121	Ideology and Constitution of Pakistan	2	
Credit Hours		20	
Semester #: 3			
Course Code	Course Title	Credit Hours	Pre Req Course Code
INFT-4126	Professional Practices	2	
MATH-2103	Linear Algebra	3	
MATH-1107	Quantitative Reasoning-II	3	
MSCI-2113	Introduction to Entrepreneurship	2	
ENGL-2114	Expository Writing	3	
INFT-2213	Computer Networks-Lab	1	
INFT-2113	Computer Networks	2	

INFT-2207	Data Structures & Algorithms-Lab	1	
INFT-2107	Data Structures & Algorithms	3	
Credit Hours		20	
Semester #: 4			
Course Code	Course Title	Credit Hours	Pre Req Course Code
QURN-1224	Understanding of Quran-II	1	
SSCI-2131	Civics and Community Engagement	2	
STAT-2104	Probability and Statistics	3	
INFT-2116	Software Engineering	3	
INFT-2215	Artificial Intelligence-Lab	1	
INFT-2204	Database Systems-Lab	1	
INFT-2114	Computer Organization and Assembly Language	2	
INFT-2214	Computer Organization and Assembly Language-Lab	1	
INFT-2104	Database Systems	3	
INFT-2115	Artificial Intelligence	2	
Credit Hours		19	
Semester #: 5			
Course Code	Course Title	Credit Hours	Pre Req Course Code
INFT-3136	Operating Systems	2	
INFT-3209	System & Network Administration Lab	1	
INFT-3109	System & Network Administration	2	
INFT-3210	Database Administration & Management-Lab	1	
INFT-3110	Database Administration & Management	2	
INFT-3230	Web Technologies-Lab	1	
INFT-2212	Information Technology Infrastructure-Lab	1	
INFT-3236	Operating Systems-Lab	1	
INFT-3137	Information Security	2	
INFT-2112	Information Technology Infrastructure	2	
INFT-3130	Web Technologies	2	
INFT-3237	Information Security-Lab	1	
Credit Hours		18	
Semester #: 6			
Course Code	Course Title	Credit Hours	Pre Req Course Code
INFT-3232	Parallel & Distributed Computing Lab	1	

MSCI-2102	Financial Accounting	3	
MATH-3122	Multivariable Calculus	3	
ENG-1111	Technical & Business Writing	3	
INFT-3131	Software Requirement Engineering	2	
INFT-3132	Parallel & Distributed Computing	2	
INFT-3133	Cyber Security	2	
INFT-3231	Software Requirement Engineering-Lab	1	
INFT-3233	Cyber Security-Lab	1	
Credit Hours		18	
Semester #: 7			
Course Code	Course Title	Credit Hours	Pre Req Course Code
INFT-4120	Network Security	2	
INFT-4220	Network Security-Lab	1	
INFT-4221	HCI & Computer Graphics-Lab	1	
INFT-4121	HCI & Computer Graphics	2	
INFT-3235	Web Engineering Lab	1	
INFT-3135	Web Engineering	2	
INFT-3234	Mobile Application Development-Lab	1	
INFT-3134	Mobile Application Development I	2	
INFT-4127	Analysis of Algorithms	3	
INFT-4303	Final Year Project-I	2	
Credit Hours		17	
Semester #: 8			
Course Code	Course Title	Credit Hours	Pre Req Course Code
INFT-4304	Final Year Project-II	4	
INFT-4123	Virtual Systems and Services	2	
INFT-4223	Virtual Systems and Services-Lab	1	
INFT-4124	Software Project Management	2	
INFT-4224	Software Project Management-Lab	1	
INFT-4401	Internship	3	
Credit Hours		13	

Total Credit Hours: 141