Associate Degree in Information Technology

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
Functional English	GENG-101	General	3
Fehm-e-Quran	HQ-001N	Compulsory	0
Applications of Information and Communication Technologies	GE-160	General	2
Applications of Information and Communication Technologies Lab	GE-160L	General	1
Discrete Structures	GE-167	General	3
Programming Fundamentals	CC-112	Major	3
Programming Fundamentals Lab	CC-112L	Major	1
Digital Logic Design	CC-110	Major	2
Digital Logic Design Lab	CC-110L	Major	1
Math Deficiency – I	MD-001	General	3
Ideology and Constitution of Pakistan (Only for Fall, 2024)	GICP-101	General	2
Pakistan Studies (For students of Fall, 2025 and onwards)	GPST-201	General	2
			Total Credit Hours 23
Semester 2			
Object Oriented Programming Lab	CC-211L	Major	1
Object Oriented Programming	CC-211	Major	3
Fehm-e-Quran	HQ-002N	Compulsory	1
Probability and Statistics	MS-251	General	3
Expository Writing	GENG-201	General	3
Islamic Studies	GE-163	General	2
Math Deficiency – II	MD-002	General	3
Software Engineering	CC-212	Major	3
Database Systems	CC-215	Major	3
Database Systems Lab	CC-215L	Major	1
			Total Credit Hours 23
Semester 3			
Tarjuma-e-Quran	HQ-003	Compulsory	0
Data Structures	CC-213	Major	3
Data Structures Lab	CC-213L	Major	1
Computer Networks	CC-214N	Major	2
Computer Networks (Lab)	CC-214L	Major	1
Artificial Intelligence	CC-310	Major	2
Artificial Intelligence Lab	CC-310L	Major	1
Operating Systems	CC-311	Major	2
Operating Systems (Lab)	CC-311L	Major	1
Calculus & Analytical Geometry	GE-162	Major	3
Web Technologies	DI-322	Major	2
Web Technologies (Lab)	DI-322L	Major	1
			Total Credit Hours 19
Semester 4			
Information Security	CC-312	General	3
Global IT Services and Workspace	EI-236	Major	2
Global IT Services and Workspace (Lab)	EI-236L	Major	1
Mobile Application Development	EI-333	Major	2
Mobile Application Development (Lab)	EI-333L	Major	1
Data Science	EI-334	Major	2
Data Science (Lab)	EI-334L	Major	1
Cloud Computing	EI-339	Major	2
Cloud Computing (Lab)	EI-339L	Major	1
Entrepreneurship	GE-362	Major	2
Tarjuma-e-Quran	HQ-004	Compulsory	1
			Total Credit Hours 18
Semester 5			
Interdisciplinary		Interdisciplinary	3
Interdisciplinary		Interdisciplinary	3
major		Major	3
major		Major	3
major		Major	3
Tarjuma-e-Quran	HQ-005	Compulsory	0
			Total Credit Hours 15
Semester 6			
Interdisciplinary		Interdisciplinary	3
Interdisciplinary		Interdisciplinary	3
major		Major	3
major		Major	3
major		Major	3
Tarjuma-e-Quran	HQ-006	Compulsory	1
			Total Credit Hours 16
Semester 7			
Fieldwork / Intership		Major	3
major		Major	3
major		Major	3
major		Major	3
major		Major	3

Tarjuma-e-Quran	**HQ-007**	**Compulsory**	0
			Total Credit Hours 15
Semester 8			
Capstone Project		**Major**	3
major		**Major**	3
major		**Major**	3
major		**Major**	3
major		**Major**	3
Tarjuma-e-Quran	**HQ-008**	**Compulsory**	1
			Total Credit Hours 16
			Signature