Associate Degree in Computer Science

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
Functional English	GENG-101	General	3
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	2
Fehm-e-Quran	HQ-001N	Compulsory	0
Digital Logic Design	CC-110	Major	2
Digital Logic Design (Lab)	CC-110L	Major	1
Math Deficiency – I	MD-001	General	3
Discrete Structures	GE-167	General	3
Programming Fundamentals	CC-112	Major	3
Programming Fundamentals (Lab)	CC-112L	Major	1
Applications of Information and Communication Technologies	GE-160A	General	3
			Total Credit Hours 21
Semester 2			
Ideology and Constitution of Pakistan	GICP-101	General	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
Software Engineering	CC-212	Major	3
Expository Writing	GENG-201	General	3
Math Deficiency – II	MD-002	General	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
Pakistan Studies.	GPST-201	General	2
Data Structures Lab	CC-213-L	Major	1
Data Structures	CC-213	Major	3
Computer Networks	CC-214	Major	3
Advanced Database Management Systems	DC-220	Major	3
Calculus & Analytical Geometry	GE-162	Major	3
Entrepreneurship	GE-362	Major	2
Computer Organization & Assembly Language	CC-210N	Major	3
			Total Credit Hours 20
Semester 4			
Artificial Intelligence	CC-310	General	3
Information Security	CC-312	General	3
Theory of Automata and Formal Languages	DC-320	Major	3
Web Technologies	EC-330	Major	3
Mobile Application Development	EC-333	Major	3
Software Project Management	EC-340	Major	3
Tarjuma-e-Quran	HQ-004	Compulsory	1
			Total Credit Hours 19
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