Associate Degree in Data Science

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
Functional English	GENG-101	General	3
Fehm-e-Quran	HQ-001N	Compulsory	0
Ideology and Constitution of Pakistan	GICP-101	Major	2
Calculus and Analytical Geometry	GE-210	Major	3
Discrete Structures	GE-167	Major	3
Applications of Information and Communication Technologies	GE-160A	General	3
Programming Fundamentals	CC-112	Major	3
Programming Fundamentals (Lab)	CC-112L	Major	1
Math Deficiency I	MD-001	Major	0
			Total Credit Hours 18
Semester 2			
Digital Logic Design	CC-110	Major	3
Digital Logic Design (Lab)	CC-110L	Major	1
Object Oriented Programming	CC-211	Major	3
Object Oriented Programming (Lab)	CC-211L	Major	1
Database Systems	CC-215	Major	3
Database Systems (Lab)	CC-215L	Major	1
Math Deficiency II	MD-002	General	0
Linear Algebra	MS-252N	General	3
Expository Writing	GENG-201	General	3
Tarjuma-e-Quran	HQ-002	Compulsory	1
			Total Credit Hours 19
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	3
Expository Writing	GENG-201	General	3
major		Major	3
major		Major	3
major		Major	3
Tarjuma-e-Quran	HQ-003	Compulsory	0
			Total Credit Hours 15
Semester 4			
GEN(SS)		General	3
Quantitative Reasoning (II)	GQR-202	General	3
major		Major	3
major		Major	3
major		Major	3
Tarjuma-e-Quran	HQ-004	Compulsory	1
			Total Credit Hours 16
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