

BS Artificial Intelligence				
Semester 1	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP103	Introduction to Computing	3	1
	CP101	Introduction to Computing – Lab	1	1
	ENG110	Functional English	3	1
	GE102	Basic Electronics	2	1
	GE101	Basic Electronics – Lab	1	1
	PAK102	Ideology and Constitution of Pakistan	2	1
	AL143	Discrete Structures	3	1
	MAT103	Pre-Calculus	3	1
Semester 2	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP113	Programming Fundamentals	3	1
	CP111	Programming Fundamentals-LAB	1	1
	AR102	Digital Logic and Design	2	1
	AR101	Digital Logic and Design-LAB	1	1
	MAT113	Calculus and Analytical Geometry	3	1
	ENG211	Expository Writing	3	1
	CCE201	Civics and Community Engagement	2	1
	MAT123	Elementary Algebra	3	1
	AIMG1933	Introduction to Business	3	1
Semester 3	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP223	Object Oriented Programming	3	1
	CP221	Object Oriented Programming-LAB	1	1
	AR223	Computer Organization and Assembly Language	3	1

Seme	AR221	Computer Organization and Assembly Language-LAB	1	1
	MAT253	Probability & Statistics	3	1
	SEP203	Professional Practices	2	1
	MAT243	Multivariate Calculus	3	1
	ENT102	Fundamentals of Entrepreneurship	2	1
Semester 4	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP233	Data Structure	3	1
	CP231	Data Structure – Lab	1	1
	DB203	Database Systems	3	1
	DB201	Database Systems - Lab	1	1
	SS102	Fundamentals of Psychology	2	1
	AL352	Artificial Intelligence	2	1
	AL351	Artificial Intelligence - Lab	1	1
	MAT233	Linear Algebra	3	1
	ISL201	Islamic Studies	2	1
	AIDC2012	Prog. for Artificial Intelligence	2	1
	AIDC2011	Prog. for Artificial Intelligence - Lab	1	1
Semester 5	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	AICC3063	Operating System	3	1
	AICC3061	Operating System – Lab	1	1
	AIDC3022	Artificial Neural Networks	2	1
	AIDC3021	Artificial Neural Networks – Lab	1	1
	AIDC3032	Machine Learning	2	1
	AIDC3031	Machine Learning – Lab	1	1
	AICS2033	Analysis of Algorithms	3	1

	AIDE4313	Speech Processing	3	1
Semester 6	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	AICS3042	Parallel and Distributed Computing	2	1
	AICS3041	Parallel and Distributed Computing - Lab	1	1
	AIDC3052	Computer Vision	2	1
	AIDC3051	Computer Vision - Lab	1	1
	AIDC3043	Knowledge Representation and Reasoning	3	1
	AICC3073	Computer Networks	3	1
	AICC3071	Computer Networks - Lab	1	1
Semester 7	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	AICC4083	Software Engineering	3	1
	AICC3083	Information Security	3	1
	AIDE4323	Reinforcement Learning	3	1
Semester 8	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	AIGE4083	Professional Practices	3	1
	ENT101	Fundamentals of Entrepreneurship	1	1