

	BS Artificial Intelligence			
Semester 1	Summer 2025			
	Course Code	Course Title	Credit Hours	Sections
	CP103	Introduction to Computing	3	1
	CP101	Introduction to Computing - Lab	1	1
	GE102	Basic Electronics	2	1
	GE101	Basic Electronics - Lab	1	1
	ENG110	Functional English	3	1
	PAK102	Ideology and Constitution of Pakistan	2	1
	AL143	Discrete Structures	3	1
	AIMS1033	Probability and Statistics	3	1
	Only for Medical background students			
	MAT103	Pre-Calculus	3	1
Semester 2				
	Course Code	Course Title	Credit Hours	Sections
	CP113	Programming Fundamentals	3	2
	CP111	Programming Fundamentals - Lab	1	2
	AR102	Digital Logic Design	2	2
	AR101	Digital Logic Design - Lab	1	2
	MAT113	Calculus and Analytic Geometry	3	2
	ENG211	Expository Writing	3	2
	CCE201	Civics and Community Engagement	2	2
	AIMG1933	Introduction to Business	3	1
	Only for Medical background students			
	MAT123	Elementary Algebra (For Pre-Medical Students Only)	Elementary Algebra	AB1, AB2

Semester 3	Course Code	Course Title	Credit Hours	Sections
	AICC2033	Object Oriented Programming	3	1
	AICC2031	Object Oriented Programming-Lab	1	1
	AICC2023	Computer Organization and Assembly Lang.	3	1
	AICC2021	Computer Organization and Assembly Lang. – Lab	1	1
	AICC2013	Artificial Intelligence	3	1
	SICC2011	Artificial Intelligence-Lab	1	1
	AIMS1023	Linear Algebra	3	1
	ISL201	Islamic Studies	2	1
Semester 4				
	Course Code	Course Title	Credit Hours	Sections
	AICC2053	Database Systems	3	1
	AICC2051	Database Systems – Lab	1	1
	AICC2043	Data Structures & Algorithms	3	1
	AICC2041	Data Structures & Algorithms - Lab	1	1
	ENG203	Technical and Business Writing	3	1
	AIMS2043	Differential Equations	3	1
	AIDC2012	Programming for Artificial Intelligence	2	1
	AIDC2011	Programming for Artificial Intelligence - Lab	1	1
Semester 5				
	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
Semester 6				
	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