

Course Offering
Semester: Fall 2025
Program: BS Artificial Intelligence

S.#	Code	Course Title	Status	No of Sections	Pre-Req.	Co-Req.	Semester	Batch
1.	AIG1022	Ideology and Constitution of Pakistan	Major	2	Nil	AI1131	1	BAI-253
2.	AI1133	Introduction to Programming	Major	3	Nil	AI1133	1	BAI-253
3.	AI1131	Introduction to Programming Lab	General Education	2	Nil	AIG1611	1	BAI-253
4.	AIG1612	Applications of Information and Communication Technologies	General Education	3	Nil	AIG1612	1	BAI-253
5.	AIG1611	Applications of Information and Communication Technologies Lab	General Education	2	Nil	AIG1311	1	BAI-253
6.	AIG1513	Calculus and Analytical Geometry	General Education	2	Nil	AIG1312	1	BAI-253
7.	AIG1113	Functional English	General Education	2	Nil	Nil	1	BAI-253
8.	AI1143	Object Oriented Programming	Major	2	AI1133	AI1141	2	BAI-251
9.	AI1141	Object Oriented Programming Lab	Major	3	AI1131	AI1143	2	BAI-251
10.	AIG1412	Sociology	General Education	2	Nil	Nil	2	BAI-251

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11.	AIG1123	Expository Writing	General Education	2	AIG1113	Nil	2	BAI-251
12.	MTAI1033	Linear Algebra	Allied	2	AIG1513	Nil	2	BAI-251
13.	AIG1012	Islamic Studies/Ethics	General Education	2	Nil	Nil	2	BAI-251
14.	AIG1010	Taleem ul Quran	General Education	2	Nil	Nil	2	BAI-251
15.	AIG1573	Discrete Structures	General Education	2	Nil	Nil	2	BAI-251
16.	AI2143	Data Structures	Major	2	AI1143	AI2141	3	BAI-243
17.	AI2141	Data Structures Lab	Major	2	AI1141	AI2143	3	BAI-243
18.	AI2313	Database Systems	Major	2	AI1133	AI2311	3	BAI-243
19.	AI2311	Database Systems Lab	Major	2	AI1131	AI2313	3	BAI-243
20.	AI2812	Artificial Intelligence	Major	2	AI1133	AI2811	3	BAI-243
21.	AI2811	Artificial Intelligence Lab	Major	2	AI1131	AI2812	3	BAI-243
22.	MTAI2063	Probability and Statistics	Allied	2	AIG1513	Nil	3	BAI-243
23.	AIG2212	Personal Grooming	General Education	2	Nil	Nil	3	BAI-243
24.	AIG2712	Entrepreneurship	General Education	2	Nil	Nil	3	BAI-243
25.	AIG2812	Civics and Professional Ethics	General Education	2	Nil	Nil	4	BAI-241
26.	AI2772	Computer Networks	Major	2	AI1133	AI2771	4	BAI-241

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27.	AI2771	Computer Networks Lab	Major	2	AI1131	AI2772	4	BAI-241
28.	AI2412	Operating Systems	Major	2	AI2143	AI2411	4	BAI-241
29.	AI2411	Operating Systems Lab	Major	2	AI2141	AI2412	4	BAI-241
30.	AI2512	Digital Logic Design	Major	2	Nil	AI2511	4	BAI-241
31.	AI2511	Digital Logic Design Lab	Major	3	Nil	AI2512	4	BAI-241
32.	MTAI2053	Multivariable Calculus	Allied	2	AIG1513	Nil	4	BAI-241
33.	AI2822	Programming for AI	Major	2	AI1133	AI2821	4	BAI-241
34.	AI2821	Programming for AI Lab	Major	2	AI1131	AI2822	4	BAI-241
35.	AI3712	Information Security	Major	1	Nil	AI3711	5	BAI-233
36.	AI3711	Information Security Lab	Major	1	Nil	AI3712	5	BAI-233
37.	AI3163	Analysis of Algorithms	Major	1	Nil	Nil	5	BAI-233
38.	AI3522	Computer Organization & Assembly Language	Major	1	Nil	AI3521	5	BAI-233

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39.	AI3521	Computer Organization & Assembly Language Lab	Major	1	Nil	AI3522	5	BAI-233
40.	AI3812	Machine Learning	Major	1	Nil	AI381	5	BAI-233
41.	AI3811	Machine Learning Lab	Major	1	Nil	AI3812	5	BAI-233
42.	AI3432	Parallel and Distributed Computing	Major	1	Nil	AI3431	5	BAI-233
43.	AI3431	Parallel and Distributed Computing Lab	Major	1	Nil	AI3432	5	BAI-233
44.	AI3223	Software Engineering	Major	1	Nil	Nil	5	BAI-233