

Course Offering
Semester: Spring 2026
Program:BS Robotics and Intelligent Systems

Sr.#	Code	Course Title	Status	No of Sections	Pre-Req.	Co-Req.	Semester
1.	RISG1612	Applications of Information and Communication Technologies	General	1	Nil	RISG1611	1
2.	RISG1611	Applications of Information and Communication Technologies Lab	General	2	Nil	RISG1612	1
3.	RIS1002	Introduction to Robotics	Major (Robotics)	1	Nil	Nil	1
4.	RISG1593	Basic Mathematics	General	1	Nil	Nil	1
5.	RISG1113	Functional English	General	1	Nil	Nil	1
6.	RISG1312	Applied Physics	General	1	Nil	RISG1311	1
7.	RISG1311	Applied Physics Lab	General	2	Nil	RISG1312	1
8.	RIS1301	Workshop Practice	Major (Mechanical Design)	2	Nil	Nil	1
9.	RIS1102	Programming Fundamentals	Major (Computing)	1	Nil	RIS1101	2
10.	RIS1101	Programming Fundamentals Lab	Major (Computing)	2	Nil	RIS1102	2
11.	RIS1403	Circuit Analysis	Major (Electrical and Electronics)	1	Nil	RIS1401	2
12.	RIS1401	Circuit Analysis Lab	Major	2	Nil	RIS1403	2

4 February 2026

Time: 4:21 PM

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			(Electrical and Electronics)				
13.	RISG1513	Calculus and Analytical Geometry	General	1	Nil	Nil	2
14.	RISG2712	Entrepreneurship	General	1	Nil	Nil	2
15.	RISG1012	Islamic Studies / Ethics	General	1	Nil	Nil	2
16.	RISG1021	Fehm-ul-Quran-I	General	1	Nil	Nil	2
17.	RIS1311	Computer-Aided Drawing	Interdisciplinary / Allied Courses	1	Nil	Nil	2
18.	RIS2112	Object Oriented Programming	Major (Computing)	1	Nil	RIS 2111	3
19.	RIS2111	Object Oriented Programming Lab	Major (Computing)	1	Nil	RIS 2112	3
20.	RIS2412	Basic Electronics	Major (Electrical and Electronics)	1	Nil	RIS2411	3
21.	RIS2411	Basic Electronics Lab	Major (Electrical and Electronics)	1	Nil	RIS2412	3
22.	RISG1032	Pakistan Studies	General	1	Nil	Nil	3
23.	RIS2203	Applied Differential Equation	IDC/Allied Courses	1	RISG 1513	Nil	3
24.	RIS2332	Engineering Statics	Major (Mechanical Design)	1	Nil	Nil	3
25.	RISG1412	Sociology	General	1	Nil	Nil	3
26.	RISG1123	Expository Writing	General	1	Nil	Nil	3

4 February 2026

Time: 4:21 PM

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27.	RIS2123	Data Structures and Algorithms	Major (Computing)	1	Nil	RIS 2121	4
28.	RIS2423	Digital Logic Design	Major (Electrical and Electronics)	1	RIS2412	RIS 2421	4
29.	RIS2213	Linear Algebra	Interdisciplinary / Allied Courses	1	Nil	Nil	4
30.	RISG1022	Ideology and Constitution of Pakistan	General	1	Nil	Nil	4
31.	RIS2342	Engineering Dynamics	Major (Mechanical Design)	1	RIS2332	RIS 2341	4
32.	RISG2812	Civics and Professional Ethics	General	1	Nil	Nil	4
33.	RIS2121	Data Structures and Algorithms Lab	Major (Computing)	1	Nil	RIS 2123	4
34.	RIS2421	Digital Logic Design Lab	Major (Electrical and Electronics)	1	Nil	RIS 2423	4
35.	RIS2341	Engineering Mechanics Lab	Major (Mechanical Design)	1	Nil	RIS 2342	4