

Course Offering
Semester: Spring 2026
Program: BS Cyber Security

S.#	Code	Course Title	Status	No of Sections	Pre-Req.	Co-Req.	Semester
1.	CYG1113	Functional English	General	1	Nil	Nil	1
2.	CYG1022	Ideology and Constitution of Pakistan	General	2	Nil	Nil	1
3.	CYG1312	Applied Physics	General	1	Nil	CYG1311	1
4.	CYG1311	Applied Physics Lab	General	1	Nil	CYG1312	1
5.	CYG1612	Applications of Information and Communication Technologies	General	1	Nil	CYG1611	1
6.	CYG1611	Applications of Information and Communication Technologies Lab	General	2	Nil	CYG1612	1
7.	CY1133	Programming Fundamentals	Computer and Information Sciences	1	Nil	CY1131	1
8.	CY1131	Programming Fundamentals Lab	Computer and Information Science	2	Nil	CY1133	1
9.	CYG1032	Pakistan Studies	General	2	Nil	Nil	2
10.	CYG1123	Expository Writing	General	2	CYG1113	Nil	2
11.	CY1123	Object Oriented Programming	Computing Core	2	CY1133	CY1121	2
12.	CY1121	Object Oriented Programming Lab	Computing Core	3	CY1131	CY1123	2

S.#	Code	Course Title	Status	No of Sections	Pre-Req.	Co-Req.	Semester
13.	CY2313	Digital Logic Design	Computing Core	2	Nil	CY2311	2
14.	CY2311	Digital Logic Design Lab	Computing Core	3	Nil	CY2313	2
15.	CYG2812	Civics and Professional Ethics	General	2	Nil	Nil	2
16.	CY2053	Discrete Structures	Computing Core	2	Nil	Nil	2
17.	CYG2712	Entrepreneurship	General	1	Nil	Nil	3
18.	CY2133	Data Structures and Algorithms	Computing Core	1	CY1123 CY2053	CY2131	3
19.	CY2131	Data Structures and Algorithms Lab	Computing Core	1	CY1121 CY2053	CY2133	3
20.	CY2202	Fundamentals of Cyber Security	CY Core	1	Nil	CY2201	3
21.	CY2201	Fundamentals of Cyber Security Lab	CY Core	1	Nil	CY2202	3
22.	CYG1513	Calculus and Analytical Geometry	General	1	Nil	Nil	3
23.	CYG1212	Personal Grooming	General	1	Nil	Nil	3
24.	CYG1022	Ideology and Constitution of Pakistan	General	1	Nil	Nil	3
25.	CYG1412	Sociology	General	2	Nil	Nil	4
26.	CYG1012	Islamic Studies/ Ethics	General	2	Nil	Nil	4
27.	CY4153	Design and Analysis of Algorithms	Computing Core	2	CY2133	Nil	4
28.	CY3713	Computer Communications and Networks	Computing Core	2	Nil	CY3711	4
29.	CY3711	Computer Communications and Networks Lab	Computing Core	2	Nil	CY3713	4

S.#	Code	Course Title	Status	No of Sections	Pre-Req.	Co-Req.	Semester
30.	CY2212	Information Security	CY Core	2	Nil	CY2211	4
31.	CY2211	Information Security Lab	CY Core	3	Nil	CY2212	4
32.	CYG1032	Pakistan Studies	General Education	2	Nil	Nil	4
33.	CY2322	Computer Organization and Assembly Language	Computing Core	1	CY2313	CY2321	5
34.	CY2321	Computer Organization and Assembly Language Lab	Computing Core	1	CY2311	CY2322	5
35.	CY3812	Open-Source Intelligence	CY Core	1	Nil	CY3811	5
36.	CY3811	Open-Source Intelligence Lab	CY Core	1	Nil	CY3812	5
37.	CY3413	Operating Systems	Computing Core	1	CY1133	CY3411	5
38.	CY3411	Operating Systems Lab	Computing Core	1	CY1131	CY3413	5
39.	CY3222	Network Security	CY Core	1	CY3713	CY3221	5
40.	CY3221	Network Security Lab	CY Core	1	CY3711	CY3222	5
41.	CY4513	Database Systems	Computing Core	1	CY1133	CY4511	5
42.	CY4511	Database Systems Lab	Computing Core	1	CY1131	CY4513	5