

Course Offering
Semester: Fall 2024
Program:BS Software Engineering

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
1.	SE1133	Introduction to Programming	Core	4	Nil	SE1131	1	Click here to enter text.
2.	SE1131	Introduction to Programming Lab	Core	5	Nil	SE1133	1	Click here to enter text.
3.	SEG1612	Applications of Information and Communication Technologies	General	4	Nil	SEG1611	1	Click here to enter text.
4.	SEG1611	Applications of Information and Communication Technologies Lab	General	5	Nil	SEG1612	1	Click here to enter text.
5.	SEG1312	Applied Physics	General	4	Nil	SEG1311	1	Click here to enter text.
6.	SEG1311	Applied Physics Lab	General	13	Nil	SEG1312	1	Click here to enter text.
7.	SEG1513	Calculus and Analytical Geometry	General	4	Nil	Nil	1	Click here to enter text.
8.	SEG1022	Ideology and Constitution of Pakistan	General	4	Nil	Nil	1	Click here to enter text.
9.	SEG1113	Functional English	General	4	Nil	Nil	1	Click here to enter text.
10.	HMSE1010	Taleem Ul Quran		2	Nil	Nil	2	Click here to enter text.
11.	SE1143	Object Oriented Programming	Core	2	SE1133	SE1141	2	Click here to enter text.

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12.	SE1141	Object Oriented Programming Lab	Core	3	SE1131	SE1143	2	Click here to enter text.
13.	SEG1012	Islamic Studies/Ethics	General	2	Nil	Nil	2	Click here to enter text.
14.	SEG1123	Expository Writing	General	2	SEG1113	Nil	2	Click here to enter text.
15.	SEG1412	Sociology	General	2	Nil	Nil	2	Click here to enter text.
16.	SEG1573	Discrete Structures	General	2	Nil	Nil	2	Click here to enter text.
17.	MTSE1033	Linear Algebra	Allied	2	SEG1513	Nil	2	Click here to enter text.
18.	SEG1612	Applications of Information and Communication Technologies	General	2	Nil	SEG1611	2	Click here to enter text.
19.	SEG1611	Applications of Information and Communication Technologies Lab	General	3	Nil	SEG1612	2	Click here to enter text.
20.	SE2143	Data Structures	Core	4	SE1143	SE2141	3	Click here to enter text.
21.	SE2141	Data Structures Lab	Core	5	SE1141	SE2143	3	Click here to enter text.
22.	SE2313	Database Systems	Core	4	SE1133	SE2311	3	Click here to enter text.
23.	SE2311	Database Systems Lab	Core	5	SE1131	SE2313	3	Click here to enter text.
24.	SE2223	Software Engineering	Core	4	SE1133	Nil	3	Click here to enter text.
25.	SEG2212	Personal Grooming	General	4	Nil	Nil	3	Click here to enter text.
26.	SEG2712	Entrepreneurship	General	4	Nil	Nil	3	Click here to enter text.

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27.	MTSE2063	Probability and Statistics	Allied	4	SEG1513	Nil	3	Click here to enter text.
28.	SEG1612	Applications of Information and Communication Technologies	General	2	Nil	SEG1611	3	Click here to enter text.
29.	SEG1611	Applications of Information and Communication Technologies Lab	General	3	Nil	SEG1612	3	Click here to enter text.
30.	SE2223	Software Engineering-I	Core	2	SE1143	Nil	4	Click here to enter text.
31.	SE3263	Software Requirement Engineering	Core	2	Nil	Nil	4	Click here to enter text.
32.	SE3773	Computer Comm. and Networks	Core	2	SE1133	SE3771	4	Click here to enter text.
33.	SE3771	Computer Comm. and Networks Lab	Core	3	SE1131	SE3773	4	Click here to enter text.
34.	HMSE1033	Personal Management and Grooming	G. Edu.	2	Nil	Nil	4	Click here to enter text.
35.	SE3413	Operating Systems	Core	2	SE2143	SE3411	4	Click here to enter text.
36.	SE3411	Operating Systems Lab	Core	3	SE2141	SE3413	4	Click here to enter text.
37.	HMSE2013	Professional Ethics and legal Issues	G. Edu.	3	Nil	Nil	5	Click here to enter text.
38.	SE3713	Introduction to Information Security and Forensics	Core	3	SE1133	Nil	5	Click here to enter text.
39.	SE3312	Software Architecture and Design	Core	3	SE2223	SE3311	5	Click here to enter text.
40.	SE3311	Software Architecture and Design Lab	Core	4	SE2223	SE3312	5	Click here to enter text.
41.	SE3273	Human Computer Interaction	Core	3	SE2223	Nil	5	Click here to enter text.

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42.	SE4113	Formal Methods in Software Engineering	SE Domain	3	SE2223	Nil	5	Click here to enter text.
43.	SE3173	Computer Game Programming	Elective	3	Nil	Nil	5	Click here to enter text.
44.	SE3613	Software Quality Engineering	Core	2	SE2223	Nil	6	Click here to enter text.
45.	SE3512	Software Construction and Development	Core	2	SE3312	SE3511	6	Click here to enter text.
46.	SE3511	Software Construction and Development Lab	Core	2	SE3311	SE3512	6	Click here to enter text.
47.	SE3523	Web Engineering	Core	2	SE2223	Nil	6	Click here to enter text.
48.	SE3923	Simulation and Modeling	SE Domain	2	SE2053	Nil	6	Click here to enter text.
49.	SE4883	Introduction to Data Science	Elective	2	SE2313	Nil	6	Click here to enter text.
50.	SE4813	Artificial Intelligence	Elective	2	SE2143	Nil	6	Click here to enter text.
51.	SE4273	Software Project Management	Core	3	SE2223	Nil	7	Click here to enter text.
52.	SE4283	Software Re-Engineering	Core	3	SE3512	Nil	7	Click here to enter text.
53.	SE3833	Business Process Engineering	SE Domain	3	SE3263	Nil	7	Click here to enter text.
54.	SE4912	Design Project (Part-I)	D. Project	1	SE3312	Nil	7	Click here to enter text.
55.	ACSE3003	Financial Accounting	G. Edu.	3	Nil	Nil	7	Click here to enter text.
56.	SE4743	Internet of Things	Elective	2	SE3773	Nil	7	Click here to enter text.

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57.	SE4193	Mobile Application Development	Elective	1	SE2313	Nil	7	Click here to enter text.
58.	MGSE1003	Introduction to Management	G. Edu.	1	Nil	Nil	8	Click here to enter text.
59.	SE4924	Design Project (Part-II)	D. Project	1	SE4912	Nil	8	Click here to enter text.
60.	SE4573	Blockchain Technology	Elective	1	SE3713	Nil	8	Click here to enter text.