

Course Offering
Semester: Spring 2020
Program:BS Software Engineering

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
1.	SE1133	Introduction to Programming	Core	2	Nil	SE1131	1	Click here to enter text.
2.	SE1131	Introduction to Programming Lab	Core	3	Nil	SE1133	1	Click here to enter text.
3.	HMSE1002	Pakistan Studies	G. Edu	2	Nil	Nil	1	Click here to enter text.
4.	MTSE1013	Calculus and Analytical Geometry	Supp. Science	2	Nil	Nil	1	Click here to enter text.
5.	PHSE1013	Applied Physics	Supp. Science	2	Nil	Nil	1	Click here to enter text.
6.	HMSE1013	English I	G. Edu	2	Nil	Nil	1	Click here to enter text.
7.	SE1143	Object Oriented Programming	Core	3	SE1133	SE1141	2	Click here to enter text.
8.	SE1141	Object Oriented Programming Lab	Core	4	SE1131	SE1143	2	Click here to enter text.
9.	HMSE1012	Islamic Studies/Ethics	G. Edu	3	Nil	Nil	2	Click here to enter text.
10.	HMSE1023	English-II	G. Edu	3	HMSE1013	Nil	2	Click here to enter text.
11.	HMSE2063	Introduction to Sociology	Humanity	1	Nil	Nil	2	Click here to enter text.
12.	HMSE2053	Introduction to Psychology	Humanity	2	Nil	Nil	2	Click here to enter text.
13.	SE2053	Discrete Structures	Core	3	Nil	Nil	2	Click here to enter text.
14.	MTSE1033	Linear Algebra	Supp. Science	3	MTSE1013	Nil	2	Click here to enter text.
15.	SE2143	Data Structures	Core	1	SE1143	SE2141	3	Click here to enter text.
16.	SE2141	Data Structures Lab	Core	1	SE1141	SE2143	3	Click here to enter text.
17.	SE2313	Introduction to Database Systems	Core	1	SE1133	SE2311	3	Click here to enter text.

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
18.	SE2311	Introduction to Database Systems Lab	Core	1	SE1131	SE2313	3	Click here to enter text.
19.	HMSE2223	French Language	Humanity	1	Nil	Nil	3	Click here to enter text.
20.	HMSE2033	Technical Report Writing	G. Edu	1	HMSE1013	Nil	3	Click here to enter text.
21.	MTSE3063	Probability & Statistics	Supp. Science	1	MTSE1013	Nil	3	Click here to enter text.
22.	SE2223	Software Engineering-I	Core	2	SE1143	Nil	4	Click here to enter text.
23.	SE3263	Software Requirement Engineering	Core	2	Nil	Nil	4	Click here to enter text.
24.	SE3773	Computer Comm. and Networks	Core	2	SE1133	SE3771	4	Click here to enter text.
25.	SE3771	Computer Comm. and Networks Lab	Core	3	SE1131	SE3773	4	Click here to enter text.
26.	HMSE1033	Personal Management and Grooming	G. Edu.	2	Nil	Nil	4	Click here to enter text.
27.	SE3413	Operating Systems	Core	2	SE2143	SE3411	4	Click here to enter text.
28.	SE3411	Operating Systems Lab	Core	3	SE2141	SE3413	4	Click here to enter text.
29.	HMSE2013	Professional Ethics and legal Issues	G. Edu.	1	Nil	Nil	5	Click here to enter text.
30.	SE3713	Introduction to Information Security and Forensics	Core	1	SE1133	Nil	5	Click here to enter text.
31.	SE3312	Software Architecture and Design	Core	1	SE2223	SE3311	5	Click here to enter text.
32.	SE3311	Software Architecture and Design Lab	Core	1	SE2223	SE3312	5	Click here to enter text.
33.	SE3273	Human Computer Interaction	Core	1	SE2223	Nil	5	Click here to enter text.
34.	SE4113	Formal Methods in Software Engineering	SE Domain	1	SE2223	Nil	5	Click here to enter text.
35.	SE3843	Data Security and Cryptography	Elective	1	SE1133 MTSE1033	Nil	5	Click here to enter text.
36.	SE3823	Agile Software Development	Core	2	SE2223	Nil	6	Click here to enter text.
37.	SE3213	Object Oriented Analysis and Design	Core	2	SE2223	Nil	6	Click here to enter text.
38.	SE3633	Software Testing	Core	2	SE2223	Nil	6	Click here to enter text.

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
39.	SE3193	Web Application Development	Elective	2	SE1133	SE3191	6	Click here to enter text.
40.	SE3191	Web Application Development Lab	Elective	3	SE1133	SE3193	6	Click here to enter text.
41.	SE4883	Introduction to Data Science	Elective	2	MTSE3063	Nil	6	Click here to enter text.
42.	SE3272	Human Computer Interaction	Core	2	SE2223	SE3271	6	Click here to enter text.
43.	SE3271	Human Computer Interaction Lab	Core	3	SE2223	SE3272	6	Click here to enter text.
44.	SE4273	Software Project Management	Core	1	SE2223	Nil	7	Click here to enter text.
45.	SE3223	Formal Software Specification	Elective	1	SE2223	Nil	7	Click here to enter text.
46.	SE4193	Mobile Application Development	Elective	1	SE1133	SE4191	7	Click here to enter text.
47.	SE4191	Mobile Application Development Lab	Elective	1	SE1131	SE4193	7	Click here to enter text.
48.	SE4912	Design Project (Part-I)	D. Project	1	SE3213	Nil	7	Click here to enter text.
49.	SE4813	Artificial Intelligence	Elective	1	SE2143	Nil	7	Click here to enter text.
50.	ACSE2003	Principal of Accounting-I	G. Edu.	1	Nil	Nil	7	Click here to enter text.
51.	MGSE1003	Introduction to Management	G. Edu.	2	Nil	Nil	8	Click here to enter text.
52.	SE4924	Design Project (Part-II)	Project	1	SE4912	Nil	8	Click here to enter text.
53.	SE4313	Agent Based Software Engineering	Elective	1	SE2223	Nil	8	Click here to enter text.
54.	SE4863	Web Security and Forensics	Elective	1	SE1133	Nil	8	Click here to enter text.
55.	SE4573	Blockchain Technology	Elective	1	SE3773	Nil	8	Click here to enter text.
56.	SE4743	Internet of Things	Elective	1	Nil	Nil	8	Click here to enter text.
57.	SE4613	Machine Learning	Elective	1	MTSE3063 SE1133	Nil	8	Click here to enter text.
58.	SE4333	Introduction to Data Warehouse	Elective	1	SE2313	Nil	8	Click here to enter text.