

Course Offering

Semester: FALL 2025

Program: BS Electrical Engineering

S.#	Code	Course Title	Status	No of Sections	Pre-Req.	Co-Req.	Semester
1.	EEG1113	Functional English	Humanities	1	Nil	Nil	1
2.	EEG1513	Calculus and Analytical Geometry	Natural Sciences	1	Nil	Nil	1
3.	EEG1312	Applied Physics	Natural Sciences	1	Nil	EEG1311	1
4.	EEG1311	Applied Physics Lab	Natural Sciences	1	Nil	EEG1312	1
5.	EEG1612	Applications of Information and Communication Technologies	Humanities	1	Nil	EEG1611	1
6.	EEG1611	Applications of Information and Communication Technologies Lab	Humanities	1	Nil	EEG1612	1
7.	EEG1022	Ideology and Constitution of Pakistan	Humanities	1	Nil	Nil	1
8.	EE1011	Engineering Drawing (CAD)	Flexible Engineering	1	Nil	Nil	1
9.	EEG1012	Islamic Studies/Ethics	Humanities	1	Nil	Nil	3

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10.	EEG1010	Taleem ul Quran	Humanities	1	Nil	Nil	3
11.	EEG2712	Entrepreneurship	Management Sciences	1	Nil	Nil	3
12.	CSEE2123	OOP and Data Structures	Flexible Engineering	1	CSEE1122	CSEE2121	3
13.	CSEE2121	OOP and Data Structures Lab	Flexible Engineering	1	CSEE1121	CSEE2123	3
14.	EEG1123	Expository Writing	Humanities	1	Nil	Nil	3
15.	MTEE2053	Complex Variables and Transforms	Natural Sciences	1	EEG1513	Nil	3
16.	EE2253	Electrical Network Analysis	EE Foundation	1	EE1213	Nil	3
17.	EE3323	Microprocessor and Computer Architecture	EE Foundation	1	EE2313	EE3321	5
18.	EE3321	Microprocessor and Computer Architecture Lab	EE Foundation	1	EE2311	EE3323	5
19.	EE2613	Signals & Systems	EE Foundation	1	MTEE2053	EE2611	5
20.	EE2611	Signals & Systems Lab	EE Foundation	1	MTEE2053	EE2613	5
21.	EE2513	Electromagnetic Fields and Waves	EE Core	1	MTEE1043	Nil	5
22.	MGTE4062	Project Management	Management Elective	1	Nil	Nil	5
23.	EE2233	Electronics Circuit Design	EE Core	1	EE2223	EE2231	5
24.	EE2231	Electronics Circuit Design Lab	EE Core	1	EE2221	EE2233	5

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25.	EE4912	Design Project Part I	EE Core	1	90 Cr. Hrs	Nil	7
26.	MGTE4063	Project Management	MGT Elective	1	Nil	Nil	7
27.	EE3333	Embedded Systems	Depth Elective	1	EE3323	EE3331	7
28.	EE3331	Embedded Systems Lab	Depth Elective	1	EE3321	EE3333	7
29.	EE4273	ASIC Design and FPGA	EE Core	1	EE2313	EE4271	7
30.	EE4271	ASIC Design and FPGA Lab	EE Core	1	EE2311	EE4273	7
31.	EE4193	Power System Analysis and Protection	EE Core	1	EE2253	EE4191	7
32.	EE4191	Power System Analysis and Protection Lab	EE Core	2	EE2253	EE4193	7
33.	EE4000	Internship	Core	1	90 Cr. Hrs & with No Registration in Current Semester	Nil	7