

B. Sc. Electrical Engineering

Semester 1	Section: Theory A----- Lab A			
	Course Code	Course Title	Credit Hours	Sections
	ICT101	Applications of Information and Communication Technologies	2	1
	ICTL101	Applications of Information and Communication Technologies Lab	1	1
	EEMT1013	Applied Mathematics I	3	1
	EE1112	Applied Physics	2	1
	EE1111	Applied Physics Lab	1	1
	ENG110	Functional English	3	1
	PAK102	Ideology & Constitution of Pakistan	2	1
	ENT102	Fundamental of Entrepreneurship	2	1
Semester 3	Course Code	Course Title	Credit Hours	Sections
	EECS2033	Data Structures and Algorithms	3	1
	EECS2031	Data Structures and Algorithms Lab	1	1
	EE2423	Electronic Devices and Circuits	3	1
	EE2421	Electronic Devices and Circuits Lab	1	1
	EE2823	Electrical Network Analysis	3	1
	EE2821	Electrical Network Analysis Lab	1	1
	ENG203	English III	3	1
	EEMT2033	Applied Mathematics III	3	1
Semester 5	Course Code	Course Title	Credit Hours	Sections
	EE3323	Microprocessor Based System	3	1
	EE3331	Microprocessor Based System Lab	1	1
	EE3523	Electromagnetic Field Theory	3	1
	EEET3703	Industrial Process Control	3	1

5	EEET3701	Industrial Process Control Lab	1	1
	EE3533	Communication Systems	3	1
	EE3531	Communication Systems Lab	1	1
	EEMT3043	Complex Variables & Transforms	3	1
Semester 7	Course Code	Course Title	Credit Hours	Sections
	EE4912	Senior Design Project-I	2	1
	EEMT4053	Probability Methods for Engineers	3	1
	EEMG4033	Entrepreneurship	3	1
	PEN4823	Power System Transmission & Distribution	3	1
	PEN4821	Power System Transmission & Distribution Lab	1	1
	EE4253	Machine Learning & AI	3	1
	EE4251	Machine Learning & AI Lab	1	1