B.Sc. (Engg.) Electrical Engineering

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
GEN(NS)		General	3
Functional English	GENG-101	General	3
Civics and Community Engagement	GCCE-101	General	2
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	2
Electrical Workshop Practice	EE1104	Major	1
Linear Circuit Analysis	EE1103	Major	4
Tarjuma-e-Quran	HQ-001	Compulsory	0
Applications of Information & Communication Technologies	CS1101	Interdisciplinary	3
Computer Hardware Engineering	MD1102	Interdisciplinary	3
			Total Credit Hours 21
Semester 2			
GEN(AH)		General	2
Quantitative Reasoning (I)	GQR-101	General	3
Entrepreneurship	GENT-101	General	2
Ideology and Constitution of Pakistan	GICP-101	General	2
Engineering Drawing	EE1203	Major	1
Computer Programming	CS1202	Major	4
Tarjuma-e-Quran	HQ-002	Compulsory	1
Electronic Devices and Circuits	EE1201	Major	4
			Total Credit Hours 19
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	3
Expository Writing	GENG-201	General	3
Data Structures & Algorithms	CS2103	Major	4
Digital Logic Design	EE2102	Major	4
Electrical Network Analysis	EE2101	Major	4
Tarjuma-e-Quran	HQ-003	Compulsory	0
Linear Algebra	NS2104	Interdisciplinary	3
Functional English	HS2105	Interdisciplinary	3
Pakistan Studies.	GPST-201	General	2
			Total Credit Hours 26
Semester 4			
GEN(SS)		General	2
Quantitative Reasoning (II)	GQR-201	General	3
Electrical Machines	EE2203	Major	4
Probability and Statistics for Engineers	EE2202	Major	3
Signals and Systems	EE2201	Major	4
Tarjuma-e-Quran	HQ-004	Compulsory	1
Numerical Analysis	NS2204	Interdisciplinary	3
Engineering Economics	HS2205	Interdisciplinary	3
			Total Credit Hours 23
Semester 5			
Project Management	MS3105	Interdisciplinary	3
Civics & Community Engagements	HS3104	Interdisciplinary	2
Microprocessors and Interfacing	EE3103	Major	4
Communication Systems	EE3102	Major	4
Electromagnetic Field Theory	EE3101	Major	3
Tarjuma-e-Quran	HQ-005	Compulsory	0
Islamic Studies/ Ethics	HS3106	Interdisciplinary	2
Translation of Holy Quran	HQ4201	Interdisciplinary	0
			Total Credit Hours 18
Semester 6			
Interdisciplinary		Interdisciplinary	3
Interdisciplinary		Interdisciplinary	3
Occupational Health & Safety	MD3203	Interdisciplinary	1
Linear Control System	EE3202	Major	4
Power Distribution and Utilization	EE3201	Major	4
Tarjuma-e-Quran	HQ-006	Compulsory	1
			Total Credit Hours 16
Semester 7			
Fieldwork / Intership		Major	3
major		Major	3
Final Year Design Project I	EE4103	Major	2
Entrepreneurship	MS4102	Interdisciplinary	2
Expository Writing	HS4101	Interdisciplinary	3
Tarjuma-e-Quran	HQ-007	Compulsory	0
			Total Credit Hours 13
Semester 8			
Capstone Project		Major	3
major		Major	3
major		Major	3
major		Major	3
Final Year Design Project II	EE4103	Major	4
Tarjuma-e-Quran	HQ-008	Compulsory	1
			Total Credit Hours 17

Signature