

B.Sc. (Engg.) Electrical Engineering

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
GEN(NS)		General	<u>3</u>
Functional English	GENG-101	General	<u>3</u>
Civics and Community Engagement	GCCE-101	General	<u>2</u>
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	<u>2</u>
Electrical Workshop Practice	EE1104	Major	<u>1</u>
Linear Circuit Analysis	EE1103	Major	<u>4</u>
Tarjuma-e-Quran	HQ-001	Compulsory	<u>0</u>
Applications of Information & Communication Technologies	CS1101	Interdisciplinary	<u>3</u>
Computer Hardware Engineering	MD1102	Interdisciplinary	<u>3</u>
			Total Credit Hours 21
Semester 2			
GEN(AH)		General	<u>2</u>
Quantitative Reasoning (I)	GQR-101	General	<u>3</u>
Entrepreneurship	GENT-101	General	<u>2</u>
Ideology and Constitution of Pakistan	GICP-101	General	<u>2</u>
Engineering Drawing	EE1203	Major	<u>1</u>
Computer Programming	CS1202	Major	<u>4</u>
Tarjuma-e-Quran	HQ-002	Compulsory	<u>1</u>
Electronic Devices and Circuits	EE1201	Major	<u>4</u>
			Total Credit Hours 19
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	<u>3</u>
Expository Writing	GENG-201	General	<u>3</u>
Data Structures & Algorithms	CS2103	Major	<u>4</u>
Digital Logic Design	EE2102	Major	<u>4</u>
Electrical Network Analysis	EE2101	Major	<u>4</u>
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
Linear Algebra	NS2104	Interdisciplinary	<u>3</u>
Functional English	HS2105	Interdisciplinary	<u>3</u>
			Total Credit Hours 24
Semester 4			
GEN(SS)		General	<u>2</u>
Quantitative Reasoning (II)	GQR-202	General	<u>3</u>
Electrical Machines	EE2203	Major	<u>4</u>
Probability and Statistics for Engineers	EE2202	Major	<u>3</u>
Signals and Systems	EE2201	Major	<u>4</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>
Numerical Analysis	NS2204	Interdisciplinary	<u>3</u>
Engineering Economics	HS2205	Interdisciplinary	<u>3</u>
			Total Credit Hours 23
Semester 5			
Project Management	MS3105	Interdisciplinary	<u>3</u>
Civics & Community Engagements	HS3104	Interdisciplinary	<u>2</u>
Microprocessors and Interfacing	EE3103	Major	<u>4</u>
Communication Systems	EE3102	Major	<u>4</u>
Electromagnetic Field Theory	EE3101	Major	<u>3</u>
Tarjuma-e-Quran	HQ-005	Compulsory	<u>0</u>
Islamic Studies/ Ethics	HS3106	Interdisciplinary	<u>2</u>
Translation of Holy Quran	HQ4201	Interdisciplinary	<u>0</u>
			Total Credit Hours 18
Semester 6			
Interdisciplinary		Interdisciplinary	<u>3</u>
Interdisciplinary		Interdisciplinary	<u>3</u>
Occupational Health & Safety	MD3203	Interdisciplinary	<u>1</u>
Linear Control System	EE3202	Major	<u>4</u>
Power Distribution and Utilization	EE3201	Major	<u>4</u>
Tarjuma-e-Quran	HQ-006	Compulsory	<u>1</u>
			Total Credit Hours 16
Semester 7			
Fieldwork / Internship		Major	<u>3</u>
major		Major	<u>3</u>
Final Year Design Project I	EE4103	Major	<u>2</u>
Entrepreneurship	MS4102	Interdisciplinary	<u>2</u>
Expository Writing	HS4101	Interdisciplinary	<u>3</u>
Tarjuma-e-Quran	HQ-007	Compulsory	<u>0</u>
			Total Credit Hours 13
Semester 8			
Capstone Project		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
major		Major	<u>3</u>
Final Year Design Project II	EE4103	Major	<u>4</u>
Tarjuma-e-Quran	HQ-008	Compulsory	<u>1</u>
			Total Credit Hours 17

Signature