

Scheme of Studies Batch-2017, 2018 & 2019

	Course Code	Course Title	Credit Hrs		
			Th	Pr	Total
First Year Spring Semester	EE-156	Engineering Drawing	0	2	2
	EE-126	Circuit Analysis	3	1	4
	MT-227	Differential Equations	3	0	3
	CE-109	Engineering Surveying-I	2	1	3
	EE-163	Computers and Programming	3	1	4
	HS-105 HS-127	Pakistan Studies / Pakistan Studies (For Foreigners)	2	0	2
			13	5	18
First Year Fall Semester	EE-125	Basic Electrical Engineering	3	1	4
	PH-122	Applied Physics	3	1	4
	HS-114	Functional English	3	0	3
	ME-107	Basic Mechanical Engineering	3	1	4
	MT-114	Calculus	3	0	3
			15	3	18
	Second Year Spring Semester	EE-382	Electromagnetic Fields	2	0
EE-223		Instrumentation and Measurement	2	1	3
EE-231		Signals and Systems	3	1	4
CS-205		Logic Design and Switching Theory	3	1	4
MT-331		Probability and Statistics	3	0	3
			13	3	16
Second Year Fall Semester		EL-240	Electronic Devices and Circuits	3	1
	EE-264	Data Structures and Algorithms	2	1	3
	MT-272	Linear Algebra and Geometry	3	0	3
	MT-226	Multi Variable Calculus	3	0	3
	HS-214	Academic Writing	3	0	3
	HS-205/ HS-209	Islamic Studies / Ethical Behavior (for Non-Muslims)	2	0	2
			16	2	18

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Third Year	Course Code	Course Title	Credit Hrs		
			Th	Pr	Total
			Spring Semester	EE-362	Power System Analysis
	EE 352	Electrical Power Transmission	3	0	3
	EE-374	Feedback Control Systems	3	1	4
	TC-307	Communication Systems	3	1	4
	HS-304	Business Communication & Ethics	3	0	3
			15	3	18
Third Year	Course Code	Course Title	Credit Hrs		
			Th	Pr	Total
			Fall Semester	EE-345	Electrical Machines
	EE-394	Digital Signal Processing	2	1	3
	EE-359	Electrical Power System Distribution	3	1	4
	EL-343	Power Electronics	3	1	4
	MT-442	Numerical Methods	3	0	3
			14	4	18
Final Year	Course Code	Course Title	Credit Hrs		
			Th	Pr	Total
			Spring Semester	HS-405	Organizational Behaviour
	HS-403	Entrepreneurship	2	0	2
	EE-412	Alternate Energy Systems	3	0	3
	CS-418	Computer Communication Networks	2	1	3
	EE-401	Electrical Engineering Project	0	3	3
			10	4	14
Final Year	Course Code	Course Title	Credit Hrs		
			Th	Pr	Total
			Fall Semester	EE-457	Electrical Power System Protection
	EE-411	Power Generation	3	0	3
	CS-430	Microprocessor Programming and Interfacing	3	1	4
	EF-304	Occupational Safety and Health	2	0	2
	EF-305	Engineering Economics and Management	3	0	3
	EE-401	Electrical Engineering Project*	0	3	3
			14	5	16