



Study Year 1					
Semester: Fall-Winter					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
1800001	Basics of Business Administration	2	--		
1800002	Low-Intermediate English	2	--		
1800012	Communications Skills	2	--		
1810101	Mathematics for Engineers I	3	--		
1810102	Physics	3	--		
1810103	Fundamentals of Electrical Engineering I	3	--		
1810104	Fundamentals of Electrical Engineering I Lab	--	1	Co-1810103	
1810105	Engineering Workshop & Safety	1	1	-----	
1810190	Practice I	--	3		
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Study Year 1					
Semester: Spring-Summer					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
1800003	Intermediate English	2	--	Pr-1800002	
1810106	Mathematics for Engineers II	3	--	Pr-1810101	
1810107	Fundamentals of Electrical Engineering II	3	--	Pr-1810103	
1810108	Fundamentals of Electrical Engineering II Lab	--	1	Co-1810107	
1810109	Electronics I	2	--	Pr-1810103	
1810111	Informatics I	2	--	-----	
1810112	Informatics I Lab	--	1	Co-1810111	
1810113	Thermodynamics	2	--	Co-1810106	
1810114	Physics Lab	--	1	Pr-1810102	
1810191	Practice II	--	3	Pr-1810190	
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Study Year 2					
Semester: Fall-Winter					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
1800004	Upper-Intermediate English	2	--	Pr-1800003	
180007□	University Requirement I	2	--		
1810201	Mathematics for Engineers III	3	--	Pr-1810106	
1810202	Digital Logic Systems	3	--	-----	
1810203	Digital Logic Systems Lab	--	1	Co-1810202	
1810204	Informatics II	2	--	Pr-1810111	
1810205	Informatics II Lab	--	1	Pr-1810204	
1810210	Complex Analysis & Engineering Transforms	3	--	Pr-1810106	
1810290	Practice III	--	3	Pr-1810191	
		20			

Study Year 2					
Semester: Spring-Summer					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
1800010	Advanced English	2	--	Pr-1800004	
1810206	Electronics II	2	--	Pr-1810109	
1810207	Electronics Lab	--	1	Co-1810206	
1810211	Engineering Design & Drawing	1	1	-----	
1810212	Engineering Materials	3	--	Pr-1810109	
1810208	Instrumentation & Measurement	3	--	Pr-1810103	
1810209	Instrumentation & Measurement Lab	--	1	Co-1810208	
1810301	Electrical Workshop I	1	1	Pr-1810105	
1810302	Electromagnetic Theory	3	--	Pr-1810106	
1810291	Practice IV	--	3	Pr-1810290	
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Study Year 3					
Semester: Fall-Winter					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
1810305	Electrical Workshop II	1	1	Pr-1810301& Pr-1810211	
1810213	Probability & Engineering Statistics	2	--	Pr-1810106	
1810303	Microprocessor	3	--	Pr-1810202	
1810304	Microprocessor Lab	--	1	Co-1810303	
1810307	Electronic Interfacing & PCB Prototyping Workshop	1	1	Pr-1810109	
1810321	Electric Power Engineering I	2	--	Co-1810323	
1810323	Electrical Machines	3	--	Pr-1810107	
1810330	Control Systems I	3	--	Pr-1810210	
1810390	Practice V	--	3	Pr-1810291	
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Study Year 3					
Semester: Spring-Summer					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
1810011	Entrepreneurship	2	---	-----	
1810306	Embedded Systems	3	--	Pr-1810303	
1810310	Communication Systems	2	--	Pr-1810210	
1810320	Electric Power Generation	2	--	Pr-1810323	
1810322	Electrical Power Engineering II	3	--	Pr-1810321	
1810324	Electrical Machines Lab	--	1	Pr-1810323	
1810325	Power Electronics	3	--	Pr-1810206	
1810420	Control & Automation Lab	--	1	Pr-1810303	
1810391	Practice VI	--	3	Pr-1810390	
		20			



Study Year 4					
Semester: Fall-Winter					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
180007□	University Requirement II	2	--		
1810309	Numerical Engineering Analysis	2	--	Pr-1810106	
1810401	Electrical Installation & Standards Workshop	1	1	Pr-1810305	
1810402	Introduction to Graduation Project	3	--	St. must finish > 110 Credit hours	
1810421	Electric Drive Engineering	3	--	Pr-1810325	
1810422	Power Electronics & Drive Technology Lab	--	1	Co-1810421	
1810423	Renewable Energy	3	--	Pr-1810321	
1810490	Project I	--	3	Co-1810402	
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Study Year 4					
Semester: Spring-Summer					
Course		Credits		Pre & Co-requisite(s)	
No.	Title	Theory	Practice		
180007□	University Requirement III	2	--		
1810424	Power Systems & Transmission	3	--	Pr-1810322	
1810425	Electric Power Lab	--	1	Co-1810424	
1810426	Special Topics in Electric Power Engineering	2	--	Consent of department	
1810430	Power System Automation	3		Pr-1810325	
1810434	High Voltage Technology	3	--	Pr-1810325	
1810491	Project II	--	4	Pr-1810490	
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