

# First Year

First Year											
Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
College	Calculus I	3	1	-	3	College	Calculus II	3	1	-	3
College	Physics	3	-	3	4	EE-Required	Applied Physics	3	-	-	3
College	Fundamentals of EE I	2	1	2	3	EE-Required	Fundamentals of EE II	3	1	3	4
University	Arabic Language	2	-	-	2	University	English Language I	2	-	-	2
University	Human Rights	1	-	-	1	College	Engineering Drawing	2	2	3	3
College	Computer Science	2	1	3	3	University	Democracy	1	-	-	1
College	Chemistry	3	-	3	4	College	Engineering Mechanics I (Static)	3	1	-	3
<b>Total Hours and Units</b>		<b>16</b>	<b>3</b>	<b>11</b>	<b>20</b>	<b>Total Hours and Units</b>		<b>17</b>	<b>5</b>	<b>6</b>	<b>19</b>

## Second Year

Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
College	Calculus III	3	1	-	3	College	Calculus IV	3	1	-	3
EE-Required	Electromagnetics I	2	1	-	2	EE-Required	Electromagnetics II	2	1	-	2
EE-Required	Fundamentals of Electronics I	2	1	-	2	EE-Required	Fundamentals of Electronics II	2	1	-	2
EE-Required	DC Machines I	2	1	-	2	EE-Required	DC Machines II	2	1	-	2
EE-Required	Electric Circuits I	2	1	-	3	EE-Required	Electric Circuits II	2	1	-	3
EE-Required	Digital Techniques I	2	-	-	2	EE-Required	Digital Techniques II	2	-	2	3
University	English Language II	2	-	-	2	College	Engineering Statistics	3	-	-	3
EE-Required	EE Lab 21	-	-	6	2	EE-Required	EE Lab 22	-	-	6	2
<b>Total Hours and Units</b>		<b>15</b>	<b>5</b>	<b>6</b>	<b>18</b>	<b>Total Hours and Units</b>		<b>16</b>	<b>5</b>	<b>8</b>	<b>20</b>

## Third Year

Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
EE-Required	AC Machines I	2	1	-	2	EE-Required	AC Machines II	2	1	-	2
EE-Required	Electronics I	3	1	-	3	EE-Required	Electronics II	3	1	-	3
EE-Required	Electric Power I	2	1	-	2	EE-Required	Electric Power II	2	1	-	2
EE-Required	Signals and Systems I	2	1	-	2	EE-Required	Signals and Systems II	2	1	-	2
EE-Required	Analog Communications and Noise	2	1	-	2	EE-Required	Digital Communications	2	1	-	2
EE-Required	Engineering Economy	3	-	-	3	University	English Language III	2	-	-	2
EE-Required	Computer Programming	1	-	3	2	EE-Required	Computer Networks	3	1	-	3
EE-Required	EE Lab 31	-	-	6	2	EE-Required	EE Lab 32	-	-	6	2
<b>Total Hours and Units</b>		<b>15</b>	<b>5</b>	<b>9</b>	<b>18</b>	<b>Total Hours and Units</b>		<b>16</b>	<b>6</b>	<b>6</b>	<b>18</b>

## Fourth Year

Semester I						Semester II					
Category	Subject	Hours			Units	Category	Subject	Hours			Units
		Theoretical	Tutorial	Practical				Theoretical	Tutorial	Practical	
EE-Required	Information Theory	2	-	-	2	EE-Required	Advanced Communication Systems	2	1	-	2
EE-Required	Control Theory I	2	1	-	2	EE-Required	Control Theory II	2	1	-	2
EE-Required	Electric Power III	2	2	-	2	EE-Elective	Power System Analysis	2	1	-	2
EE-Elective	Digital Electronics	2	1	-	2	EE-Required	Power Electronics	2	2	-	2
University	English Language IV	2	-	-	2	EE-Elective	Programmable Logic Controller (PLC)	2	1	-	2
EE-Required	Engineering Project I	3	-	-	3	EE-Required	Engineering Project II	3	-	-	3
College	Engineering Numerical Methods	2	1	3	3	University	Ethics and Leadership Skills	2	-	-	2
EE-Required	EE Lab 41	-	-	3	1	EE-Required	EE Lab 42	-	-	3	1
Total Hours and Units		15	5	6	17	Total Hours and Units		15	6	3	16

