

**المناهج الدراسية لقسم  
الهندسة الالكترونية والاتصالات**

<b>The First Year</b>						
<b>The First Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Human Rights	1	-	-	1
2		Computer Programming I	2	2	-	3
3		Engineering Drawing I	1	3	-	2
4		Information Theory	1	2		2
5		Mathematics I	3	-	1	3
6		Electronics Physics	2	2	-	3
7		Engineering Mechanics	2	-	1	2
8		Electrical Circuits I	3	3	1	4
Total			15	12	3	20
			30			
<b>The Total number of hours for the first semester is 450 hour</b>						
<b>The Second Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Arabic Language I	1	-	-	1
2		English Language I	2	-	-	2
3		Computer Programming II	2	2	-	3
4		Mathematics II	3	-	1	3
5		Engineering Drawing II	1	3	-	2
6		Workshop Technology	-	3	-	1
7		Electronics Materials	2	-	1	2
8		Electrical Circuits II	3	3	1	4
Total			14	11	3	17
			28			
<b>The Total number of hours for the second semester is 420 hour</b>						

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<b>The Second Year</b>						
<b>The First Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Management Principles	1	-	-	1
2		Arabic Language II	1	-	-	1
3		English Language II	2	-	-	2
4		Mathematics III	3	-	1	3
5		Electronics I	3	3	1	4
6		Network Analysis I	2	-	-	2
7		Digital Electronics I	3	3	-	4
8		Electromagnetic Fields I	3	-	1	3
Total			18	6	3	20
			27			
The Total number of hours for the first semester is 405 hour						
<b>The Second Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Democracy	1	-	-	1
2		Mathematics IV	3	-	1	3
3		Network Analysis II	2	-	1	2
4		Electronics II	3	3	1	4
5		Transmission Lines	2	-	1	2
6		Digital Electronics II	3	3	-	4
7		Electromagnetic Fields II	3	-	1	3
8						
Total			17	6	5	19
			28			
The Total number of hours for the second semester is 420 hour						

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<b>The Third Year</b>						
<b>The First Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Engineering statistics and Probability	3	-	1	3
2		Energy Conversion I	3	-	-	3
3		Communication Systems I	3	3	1	4
4		Electronics III	3	3	1	4
5		Wave Propagation	2	-	-	2
6		Microprocessor	2	3	-	3
7						
8						
Total			16	9	3	19
			28			
The Total number of hours for the first semester is 420 hour						
<b>The Second Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Numerical Analysis	3	3	-	4
2		Communication Systems II	3	3	1	4
3		Computer Architecture	3	-	-	3
4		Electronic Instrumentation	2	-	-	2
5		Antennas	2	-	1	2
6		Industrial Management	1	-	-	1
7		Energy Conversion II	2	3	-	3
8		English Language III	2	-	-	2
Total			18	9	3	21
			29			
The Total number of hours for the second semester is 435 hour						

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<b>The Fourth Year</b>						
<b>The First Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Project	-	4	-	2
2		Information Theory and Coding	2	-	1	2
3		Microwave Engineering	3	-	-	3
4		Digital Signal Processing I	3	-	-	3
5		Digital System Design	3	3	-	4
6		Control Systems I	3	-	-	3
7		Network and Communication Protocols	2	-	1	2
8						
Total			16	7	2	19
			25			
The Total number of hours for the first semester is 375 hour						
<b>The Second Semester</b>						
No.	Code	Subject	Hour per Week			Units
			Theory	Applied	Tutorial	
1		Project	-	4	-	2
2		VLSI Technology	2	-	1	2
3		Satellite Communications	2	-	1	2
4		Digital Signal Processing II	3	3	-	4
5		Wireless and Mobil Communications	3	-	-	3
6		Control Systems I	3	3	-	4
7		Optical Communications	2	-	-	2
8						
Total			15	10	2	19
			27			
The Total number of hours for the second semester is 405 hour						

