

University of Al - Qadisiyah	Materials of B.Sc. Study
Faculty of Engineering	Academic Year 2020 - 2021
Department of Electronic and Communications Engineering	First Year

No.	First Year-First Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	UREQ110	Human Rights	1	-		1
2	UREQ112	Computer Programming I	2	2		3
3	CREQ110	Engineering Drawing I	1	3		2
4	CREQ111	Information Technology	1	2		2
5	MATH110	Mathematics I	3	-	1	3
6	PHYS110	Electronics Physics	2	2		3
7	ECER110	Engineering Mechanics	2	-	1	2
8	ECER111	Electrical Circuits I	3	3	1	4
9	UREQ113	Computer 1	1	-	-	1
Total			16	12	3	21
			31			

Total number of hours for the first semester is 465

No.	First Year -Second Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	UREQ120	Arabic Language I	1	-	-	1
2	UREQ121	English Language I	2	-	-	2
3	UREQ122	Computer Programming II	2	2	-	3
4	MATH120	Mathematics II	3	-	1	3
5	CREQ120	Engineering Drawing II	1	3	-	2
6	CREQ121	Workshop Technology	-	3	-	1
7	ECER120	Electronic Materials	2	-	1	2
8	ECER121	Electrical Circuits II	3	3	1	4
9	UREQ123	Computer 2	1	-	-	1
Total			15	11	3	19
			29			

Total number of hours for thesecond semester is 435

Total number of hours for the first year is $465 + 435 = 900$
Total number of unitsfor the first year is $21 + 19 = 40$

University of Al - Qadisiyah	Materials of B.Sc. Study
Faculty of Engineering	Academic Year 2020 - 2021
Department of Electronic and Communications Engineering	Second Year

No.	Second Year -First Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	UREQ210	Management principles	1	-	-	1
2	UREQ211	Arabic language II	1	-	-	1
3	UREQ212	English language II	2	-	-	2
4	MATH210	Mathematics III	3	-	1	3
5	ECER210	Electronics I	3	3	1	4
6	ECER211	Network analysis I	2	-	-	2
7	ECER212	Digital Electronics I	3	3	-	4
8	ECER213	Electromagnetic Field I	3	-	1	3
9	UREQ213	Computer 3	1	-	-	1
Total			19	6	3	21
			28			

Total number of hours for the first semester is 465

No.	Second Year -Second Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	UREQ220	Democracy	1	-	-	1
2	MATH220	Mathematics IV	3	-	1	3
3	ECER 221	Network analysis II	2	-	1	2
4	ECER220	Electronics II	3	3	1	4
5	ECER221	Transmission lines	2	-	1	2
6	ECER222	Digital Electronics II	3	3	-	4
7	ECER223	Electromagnetic Field II	3	-	1	3
8	UREQ221	Computer 4	1	-	-	1
Total			18	6	5	20
			29			

Total number of hours for the second semester is 435

Total number of hours for the first year is 465 + 435 = 900

Total number of units for the first year is 20 + 19 = 39

University of Al - Qadisiyah	Materials of B.Sc. Study
Faculty of Engineering	Academic Year 2020 - 2021
Department of Electronic and Communications Engineering	Third Year

No.	Third Year -First Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	ECER310	Engineering Statistics and probability	3	-	1	3
2	ECER311	Energy Conversion I	3	-	-	3
3	ECER312	Communication systems I	3	3	1	4
4	ECER313	Electronics III	3	3	1	4
5	ECER314	Wave Propagation	2	-	-	2
6	ECER315	Microprocessor	2	3	-	3
7						
8						
Total			16	9	3	19
			28			

Total number of hours for the first semester is 450

No.	Third Year - Second Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	ECER320	Numerical Analysis	3	3	-	4
2	ECER321	Communication systems II	3	3	1	4
3	ECER 322	Computer Architecture	3	-	-	3
4	ECER323	Electronic Instrumentation	2	-	-	2
5	ECER324	Antennas	2	-	1	2
6	ECER325	Industrial Management	1	-	-	1
7	ECER326	Energy Conversion II	2	3	-	3
8	UREQ321	English language III	2	-	-	2
Total			18	9	2	21
			29			

Total number of hours for the second semester is 420

Total number of hours for the first year is 450 + 420 = 870
Total number of units for the first year is 19 + 21 = 40

University of Al - Qadisiyah	Materials of B.Sc. Study
Faculty of Engineering	Academic Year 2020 - 2021
Department of Electronic and Communications Engineering	Fourth Year

No.	Fourth Year -First Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	CREQ410	Project	-	4	-	2
2	ECER411	Information Theory And Coding**	2	-	1	2
3	ECER412	Microwave Engineering	3	-	-	3
4	ECER413	Digital Signal Processing I	3	-	-	3
5	ECER414	Digital system Design	3	3	-	4
6	ECER415	Control system I	3	-	-	3
7	ECER416	Networks And Communication Protoc	2	-	1	2
8						
Total			16	7	2	19
			25			

Total number of hours for the first semester is 450

No.	fourth Year - Second Semester					
	Code	Subject	Hours per week			Units
			Theo.	Pra.	Tut.	
1	CREQ420	Project	-	4	-	2
2	ECER421	VLSI Technology**	2	-	1	2
3	ECER 422	Satellite Communications**	2	-	1	2
4	ECER423	Digital Signal Processing II	3	3	-	4
5	ECER424	Wireless and Mobile Communications	3	-	-	3
6	ECER425	Control system II	3	3	-	4
7	ECER426	Optical Communications	2	-	-	2
8						
Total			15	10	2	19
			27			

Total number of hours for the second semester is 420

Total number of hours for the first year is $450 + 420 = 870$

Total number of units for the first year is $19 + 19 = 38$
--