

Syrian Arab Republic

Damascus University

Faculty of Mechanical and Electrical Engineering



Study Plan

For

Department of Electronics and
Communication Engineering

2017-2018



1 st Academic Year – Department of Electronics and Communication Engineering							
First Semester				Second Semester			
Course	Theoretical	Practical	Total	Course	Theoretical	Practical	Total
1-Mathematics /1/	4	2	6	1-Mathematics /2/	4	2	6
2-Physics /1/	4	2	6	2-Physics /2/	4	2	6
3-Mechanical Engineering	2	2	4	3-Chemistry	2	2	4
4-Engineering Representation and Drawing	2	4	6	4-Introduction to Computer Science	2	2	4
5-English Language /1/	4	-	4	5-Specialized Workshop /Electronics and Electrical/	-	4	4
6-Arabic Language	2	-	2	6-Fundamentals of Electrical Engineering	2	2	4
7-National Socialist Education	2	-	2	7-English Language /2/	4	-	4
Total	20	10	30	Total	18	14	32

2 nd Academic Year – Department of Electronics and Communication Engineering							
First Semester				Second Semester			
Course	Theoretical	Practical	Total	Course	Theoretical	Practical	Total
1-Mathematics /3/	4	2	6	1-Mathematics /4/	4	2	6
2-Electrical Circuits /1/	4	2	6	2-Measurements and Electrical Measuring Devices	4	2	6
3-Electrical Material Properties	2	-	2	3-Electrical Circuits /2/	2	2	4
4-Programming /1/	2	2	4	4-Programming /2/	2	2	4
5-Fundamental of Electronics Engineering	4	2	6	5-Electromagnetic Fields Theory	4	2	6
6-English Language /3/	4	-	4	6-English Language /4/	4	-	4
Total	20	8	28	Total	20	10	30



3 rd Academic Year – Department of Electronics and Communication Engineering							
First Semester				Second Semester			
Course	Theoretical	Practical	Total	Course	Theoretical	Practical	Total
1-Mathematics /5/	4	2	6	1-Electronic Circuits /2/	4	2	6
2-Electronic Circuits	4	2	6	2-Fundamentals of Communications Engineering	4	2	6
3-Control Theory /1/	4	-	4	3-Logical Systems Design	4	2	6
4-Logic Circuits	3	2	5	4-Measurments and Electronic Measuring Devices	2	2	4
5-Algorithms and Data Structures	3	1	4	5-Control Theory /2/	2	2	4
6-Electrical Power Systems	2	-	2	6-Power Electronics	2	2	4
Total	20	7	27	Total	18	12	30

4 th Academic Year – Department of Electronics and Communication Engineering							
First Semester				Second Semester			
Course	Theoretical	Practical	Total	Course	Theoretical	Practical	Total
1-Electronic Circuits /3/	4	2	6	1-Communication Systems /1/	4	2	6
2-Signal Processing /1/	2	2	4	2-Signal Processing /2/	2	2	4
3-Computer Architecture and Organization	2	2	4	3-Microprocessors and their Organization	4	2	6
4-Wave Propagation and Antennas	4	2	6	4-Microwaves Techniques	4	2	6
5-Microelectronis	4	2	6	5-Electroacoustics	4	-	4
				6-Electronics Circuits Simulation	2	2	4
Total	16	10	26	Total	20	10	30



5 th Academic Year – Department of Electronics and Communication Engineering							
First Semester				Second Semester			
Course	Theoretical	Practical	Total	Course	Theoretical	Practical	Total
1-Communication Systems /2/	4	2	6	1-Data Communications and Networking	2	2	4
2-Information Theory and Coding	2	-	2	2-Optical Communication Systems	2	2	4
3-Television and Visual Communications	4	2	6	3-Modern Communication Systems	4	2	6
4-Economics and Business Administration	4	-	4	4-RADAR and SONAR Engineering	4	2	6
5-Graduation Project	2	2	4	5-Graduation Project	2	2	4
Total	16	6	22	Total	14	10	24