

THE UNDERGRADUATE CURRICULUM

2014 - 2015

COLLEGE OF
ENGINEERING

SUMMARY

YEAR	TOTAL UNITS	HOURS PER WEEK	
		FIRST SEMESTER	SECOND SEMESTER
FIRST	38	30	31
SECOND	40	32	32
THIRD	39	30	30
FOURTH	43	31	31
TOTAL	160		

Department of Electronic and
Communications

**University of Baghdad – College of Engineering
Electronics and Communication Department**

FIRST YEAR			1ST SEMESTER (HOURS/WEEK)			2ND SEMESTER (HOURS/WEEK)		
CODE	SUBJECT	UNITS	THEO.	TUT.	LAB.	THEO.	TUT.	LAB.
GS101	HUMAN RIGHTS	2	1	1	-	1	1	-
ECE101	MATHEMATICS I	6	3	1	-	3	1	-
ECE102	LOGIC CIRCUITS	5	2	1	-	2	-	2
ECE103	ELECTRONICS I	6	3	1	-	3	1	-
ECE104	COMPUTER PROGRAMMING I	4	1	1	2	1	1	2
ECE105	ELECTRICAL CIRCUITS I	6	3	1	-	3	1	-
ECE106	ENERGY CONVERSION	4	2	1	-	2	1	-
ECE107	ENGINEERING DRAWING	1	-	-	-	-	-	3
ECE108	WORKSHOP OF ELECTRONICS	1	-	-	3	-	-	-
ECE109	ELECTRICAL MEASUREMENTS LAB.	3	-	-	3	-	-	3
TOTAL UNITS		38	15	7	8	15	6	10
TOTAL HOURS PER WEEK			30			31		

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SECOND YEAR			1ST SEMESTER (HOURS/WEEK)			2ND SEMESTER (HOURS/WEEK)		
CODE	SUBJECT	UNITS	THEO.	TUT.	LAB.	THEO.	TUT.	LAB.
GS201	ARABIC LANGUAGE	2	1	1	-	1	1	-
ECE201	MATHEMATICS II	6	3	1	-	3	1	-
ECE202	COMPUTER PROGRAMMING II	4	1	1	2	1	1	2
ECE203	ELECTROMAGNETIC FIELDS	4	2	1	-	2	1	-
ECE204	ELECTRONICS II	6	3	1	-	3	1	-
ECE205	COMMUNICATION THEORY I	4	2	1	-	2	1	-
ECE206	ELECTRICAL CIRCUITS II	4	2	-	-	2	-	-
ECE207	COMPUTER ARCHITECTURE	4	1	1	2	1	1	2
ECE208	ELECTRONICS LAB.	3	-	-	3	-	-	3
ECE209	COMMUNICATION LAB.	3	-	-	3	-	-	3
TOTAL UNITS		40	15	7	10	15	7	10
TOTAL HOURS PER WEEK			32			32		

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THIRD YEAR			1ST SEMESTER (HOURS/WEEK)			2ND SEMESTER (HOURS/WEEK)		
CODE	SUBJECT	UNITS	THEO.	TUT.	LAB.	THEO.	TUT.	LAB.
ECE301	DIGITAL SYSTEM DESIGN	6	3	1	-	3	1	-
ECE302	ENGINEERING ANALYSIS	4	2	1	-	2	1	-
ECE303	PROBABILITY AND STATISTICS	2	1	1	-	1	1	-
ECE304	ANTENNAS AND PROPAGATION	4	2	1	-	2	1	-
ECE305	COMMUNICATION THEORY II	6	3	1	-	3	1	-
ECE306	ELECTRONICS III	6	3	1	-	3	1	-
ECE307	POWER ELECTRONICS	2	1	1	-	1	1	-
ECE308	CONTROL THEORY	4	2	1	-	2	1	-
ECE309	ELECTRONICS AND COMMUNICATIONS LAB.	3	-	-	3	-	-	3
ECE310	COMPUTER AIDED DESIGN	2	-	-	2	-	-	2
TOTAL UNITS		39	17	8	5	17	8	5
TOTAL HOURS PER WEEK			30			30		

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FOURTH YEAR			1ST SEMESTER (HOURS/WEEK)			2ND SEMESTER (HOURS/WEEK)		
CODE	SUBJECT	UNITS	THEO.	TUT.	LAB.	THEO.	TUT.	LAB.
ECE401	ENGINEERING PROJECT	4	1	-	2	1	-	2
ECE402	MICROWAVES	4	2	-	-	2	-	-
ECE403	DIGITAL SIGNAL PROCESSING	4	2	1	-	2	1	-
ECE404	DIGITAL COMMUNICATIONS	6	3	1	-	3	1	-
ECE405	COMPUTER NETWORKS	4	2	-	-	2	-	-
ECE406	COMMUNICATION ELECTRONICS	6	3	1	-	3	1	-
ECE407	OPTICAL FIBER COMMUNICATIONS	4	2	1	-	2	1	-
ECE408	INFORMATION THEORY AND CODING	4	2	-	-	2	-	-
ECE109	EMBEDDED SYSTEMS	2	1	1	-	1	1	-
ECE410	ELECTRONICS AND COMMUNICATIONS LAB.	3	-	-	3	-	-	3
ECE411	MICROWAVES LAB.	1	-	-	3	-	-	-
ECE412	COMPUTER NETWORKS LAB.	1	-	-	-	-	-	2
TOTAL UNITS		43	18	5	8	18	5	7

