

# ***THE UNDERGRADUATE CURRICULUM***

***2014 - 2015***

COLLEGE OF  
ENGINEERING

## **SUMMARY**

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

Department of Electronic and  
Communications

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

<b>FIRST YEAR</b>			<b>1<sup>ST</sup> SEMESTER (HOURS/WEEK)</b>			<b>2<sup>ND</sup> SEMESTER (HOURS/WEEK)</b>		
<b>CODE</b>	<b>SUBJECT</b>	<b>UNITS</b>	<b>THEO.</b>	<b>TUT.</b>	<b>LAB.</b>	<b>THEO.</b>	<b>TUT.</b>	<b>LAB.</b>
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
<b>TOTAL UNITS</b>		<b>38</b>	<b>15</b>	<b>7</b>	<b>8</b>	<b>15</b>	<b>6</b>	<b>10</b>
<b>TOTAL HOURS PER WEEK</b>			<b>30</b>			<b>31</b>		

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SECOND YEAR			1 <sup>ST</sup> SEMESTER (HOURS/WEEK)			2 <sup>ND</sup> 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
<b>TOTAL UNITS</b>		<b>40</b>	<b>15</b>	<b>7</b>	<b>10</b>	<b>15</b>	<b>7</b>	<b>10</b>
<b>TOTAL HOURS PER WEEK</b>			<b>32</b>			<b>32</b>		

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<b>THIRD YEAR</b>			<b>1<sup>ST</sup> SEMESTER (HOURS/WEEK)</b>			<b>2<sup>ND</sup> SEMESTER (HOURS/WEEK)</b>		
<b>CODE</b>	<b>SUBJECT</b>	<b>UNITS</b>	<b>THEO.</b>	<b>TUT.</b>	<b>LAB.</b>	<b>THEO.</b>	<b>TUT.</b>	<b>LAB.</b>
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
<b>TOTAL UNITS</b>		<b>39</b>	<b>17</b>	<b>8</b>	<b>5</b>	<b>17</b>	<b>8</b>	<b>5</b>
<b>TOTAL HOURS PER WEEK</b>			<b>30</b>			<b>30</b>		

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<b>FOURTH YEAR</b>			<b>1<sup>ST</sup> SEMESTER (HOURS/WEEK)</b>			<b>2<sup>ND</sup> SEMESTER (HOURS/WEEK)</b>		
<b>CODE</b>	<b>SUBJECT</b>	<b>UNITS</b>	<b>THEO.</b>	<b>TUT.</b>	<b>LAB.</b>	<b>THEO.</b>	<b>TUT.</b>	<b>LAB.</b>
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
<b>TOTAL UNITS</b>		<b>43</b>	<b>18</b>	<b>5</b>	<b>8</b>	<b>18</b>	<b>5</b>	<b>7</b>

