

**Isra University-Faculty of Engineering**

**Department of Architectural Engineering (169)Cr.Hrs**

**First: University Requirements (24) Credits Hours:**

**A- Compulsory University Requirements (12) Credits Hours:**

Course No.	Course Title	Cr. Hrs.	Prerequisite
01100011	Arabic Language/Remedial	0	-
01100012	English Language/ Remedial	0	-
01100051	Computer Skills/ Remedial	0	-
01101101	Military Sciences*	3	-
01101102	National Education*	3	-
01101111	Arabic language	3	01100011
01101112	English language	3	01100012
<b>Total</b>		<b>12</b>	

**B- Elective University requirements (12) Credits hours, chosen by the student from this list:**

Course number	Course Title	Credits Hours	Prerequisite
01101103	Traffic Education	3	-
01101104	Innovation and Entrepreneurship	3	-
01101121	Life Skills	3	-
01101131	Islamic Education	3	-
01101132	Jerusalem and the Hashemite Custodianship	3	-
01101141	Sport and Health	3	-
01101142	Environment and Society	3	-
01101151	Computer Skills	3	-
01101152	Internet and Communication	3	-
01101161	Economic Systems and Concepts	3	-
01101171	Psychology and Society	3	-
01101213	Communication Skills in Arabic	3	01101111
01101214	Communication Skills in English	3	01101112

01101243	Safety and First Aid	3	
01101281	Scientific Research Methods	3	
01101282	Introduction to Astronomy	3	
03011101	Law in our Life	3	
03021201	Human Rights	3	

**Second: Compulsory faculty requirements (25) Credits Hours:**

Course No.	Course Title	Cr. Hrs.	Theory	Practical	Prerequisite
04011164	Photography	1	0	1	Architectural Engineering Department
01103101	Calculus (1)	3	3	0	-
01103102	Calculus (2)	3	3	0	01103101
01102101	General Physics (1)	3	3	0	-
01102102	General Physics (2)	3	3	0	01102101
01102103	General Physics Lab (1)	1	0	1	01102101 W
01102104	General Physics Lab (2)	1	0	1	01102102 W
04021120	Engineering Workshops	1	0	1	-
04032101	Engineering Drawing	3	3	0	-
04032102	Engineering Ethics	1	1	0	-
04033101	Technical Writing	2	2	0	+ 01101112 Pass 70 Cr. Hrs.
04033102	Administration and Engineering Economy	3	3	0	01103101
<b>Total</b>		<b>25</b>			

**Third: Compulsory department requirements (114) Credits Hours:**

Course No.	Course Title	Cr. Hrs.	Theory	Practical	Prerequisite
04011163	Architectural Drawing	2	0	2	-
04011263	Shade & Perspective	2	1	1	04011163
04011162	Free Hand Drawing (1)	2	1	1	-
04011262	Free Hand Drawing (2)	2	1	1	04011162
04011151	Architectural Design (1-A)	2	1	1	-
04011251	Architectural Design (1-B)	2	1	1	04011151
04012265	Presentation Techniques	2	0	2	04011262
04012151	Architectural Design (2-A)	4	0	4	04011251
04012251	Architectural Design (2-B)	4	0	4	04012151
04012162	Computer Aided Design (1)	2	1	1	04011263

04012262	Computer Aided Design (2)	2	1	1	04012162
04012155	Basics of Architectural Design	3	3	0	04011251
04012124	Building Construction	3	1	2	04011163
04012224	Working Drawing Design	3	2	1	04012124
04012113	History of Architecture (1)	3	3	0	04011251
04012213	History of Architecture (2)	3	3	0	04012113
04032123	Surveying	3	3	0	01103101
04032124	Surveying Lab	1	0	1	W 04032123
04013151	Architectural Design (3-A)	4	0	4	04012252
04013251	Architectural Design (3-B)	4	0	4	04013151
04013112	Theories of Contemporary Architecture (1)	3	3	0	04012213
04013212	Theories of Contemporary Architecture (2)	3	3	0	04013112
04013133	Physics Architecture	3	3	0	01102102
04013233	Sustainable Architecture	3	3	0	04013133
04013264	Advanced Applications in Computer	2	0	2	04012261
04013114	Islamic Architecture	3	3	0	04012213
04013115	Local Architecture and Heritage conservation	3	3	0	04012213
04013245	Behavior in Architecture	3	3	0	04013112
04013310	Engineering Training	6	0	6	Pass 90 Cr. Hrs.
04014151	Architectural Design (4-A)	4	0	4	04013251
04014251	Architectural Design (4-B)	4	0	4	04014151
04014142	Town Planning (1)	2	2	0	04013212
04014242	Town Planning (2)	2	0	2	04014142
04034131	Structural Mechanics & Structural Analysis (Arch)	3	3	0	01103102
04014184	Building Specifications and profession fundamentals	2	2	0	04012124
04014283	Project Management	2	2	0	04014184
04015151	Architectural Design(5)	4	1	3	04014251
04015152	Graduation Project Thesis	2	2	0	W + 04015151 pass 120 Cr. Hrs.
04015143	Landscape	3	2	1	04014242
04015251	Graduation Project	4	0	4	Pass 04015151 & 04015152
<b>Total</b>		<b>114</b>			

**Fourth: Elective Department Requirements (3) Credits Hours:**

Course No.	Course Title	Cr. Hrs.	Theory	Practical	Prerequisite
04011191	Architectural Models	1	0	1	-
04013192	Advanced Construction Technologies	3	3	0	04012124
04013293	Buildings Services	3	3	0	04012124
04014194	Special Topics in Architecture	3	3	0	04012251
04014195	Shop Drawings	2	0	2	04012124
04014296	Urban Planning	3	2	1	04014242
04015197	Housing	2	1	1	04014242

**Fifth: Free Course (3) Credits Hours:**

Free course (3) Credits Hours Chosen from the courses offered by the university without repetition
*Non Jordanian Students can select two other courses as a substitution of the Military Sciences (01101101) and the National Education (01101102).