

Al-Ahliyya Amman University
Faculty of Engineering
Department of Civil Engineering
(160) Credit Hours
Study Plan 2014-2015



First: University Requirements: (27) Credit Hours

1) Compulsory University Requirements: (12) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Exception
0121181	English Language Communication Skills (1)	3	0171100	-
0161101	Arabic Language Communication Skills (1)	3	0161100	-
0161200	Military Sciences	3	-	Non-Jordanians
0161201	National Education	3	-	-

2) Elective University Requirements: (15) Credit Hours

A) Humanities: (6) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Exception
0152102	English Language Communication Skills (2)	3	0121181	-
0161300	Islamic Culture	3	-	-
0162102	Arabic Language Communication Skills (2)	3	0161101	-
0162301	History of Jordan and Palestine	3	-	-
0411100	Human Rights	3	-	Law Students

B) Social and Economic Sciences: (6) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Exception
0132200	Psychology and Life	3	-	Psychology Students
0143301	Entrepreneurship	3	-	-
0161301	Islam and Life	3	-	-
0162302	Media and Public Relations	3	-	-
0561500	Tourism and Archaeology	3	-	Hotels & Tourism Students

C) Sciences, Technology, and Health: (3) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Exception
0161303	Sport and Health	3	-	-
0162305	Environmental and Public Safety	3	-	-
0162306	Science and Life	3	-	-

Community Service is a Mandatory Graduation Requirement (10 hours of service)

* This prerequisite must be successfully passed before registering the course

Second: Faculty Compulsory Requirements (33) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Co-requisite
0111101	Mathematics (1)	3	-	-
0111202	General Physics (1)	3	-	-
0111203	General Physics (2)	3	0111202	-
0111204	General Physics Lab	1	-	0111202
0112102	Mathematics (2)	3	0111101	-
0811201	Computer Skills (Engineering)	3	0331200	-
0812101	Technical Writing	1	0121181	-
0812102	Engineering Ethics	1	0121181	-
0832103	Engineering Mathematics (1)	3	0112102*	-
0832104	Engineering Mathematics (2)	3	0112102	-
0832107	Engineering Statistics	3	0111101	-
0833105	Numerical Analysis	3	0832104	-
0871101	Engineering Workshop	1	-	-
0871102	Engineering Drawing	2	-	-

Third: Major Requirements: (100) Credit Hours

A) Compulsory Major Requirements: (81) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Co-requisite
0862101	Statics	3	0111202	-
0862102	Surveying	3	0111101	-
0862103	Surveying Lab.	1	-	0862102
0862200	Strength of Materials	3	0862101*	-
0862201	Concrete Technology and Eng. Materials	3	-	-
0862202	Concrete Technology and Eng. Materials Lab.	1	-	0862201
0862400	Engineering Geology	3	0121181	-
0863203	Structural Analysis (1)	3	0862200	-
0863204	Structural Analysis (2)	3	0863203	-
0863300	Transportation Engineering	3	0862102	-
0863301	Highway Geometric and Railway Design	3	0863300	-
0863401	Geotechnical Engineering	3	0862200 *	-
0863402	Geotechnical Engineering Lab.	1	-	0863401
0863500	Engineering Hydraulics	3	0833106	-
0863501	Fluid Mechanics and Engineering Hydraulics Lab.	1	-	0863500
0864205	Reinforced Concrete Design (1)	3	0862201 0863203	-
0864206	Reinforced Concrete Design (2)	3	0863204 0864205 *	-
0864207	Design of Steel Structures	3	0863204	-
0864302	Highway and Traffic Engineering	3	0832107 * 0863300	-
0864303	Pavement Design and Airport Engineering	3	0863300	-
0864304	Pavement Design and Airport Engineering Lab.	1	-	0864303

.....Cont'd Compulsory Major Requirements

0864403	Foundation Engineering	3	0863401 0864205	-
0864502	Engineering Hydrology	3	0863500	-
0864504	Environmental and Sanitary Engineering	3	0863500	-
0864505	Environmental and Sanitary Engineering Lab.	1	-	0864504
0864701	Specifications, Contracts, and Quantity Surveying	3	0864205	-
0864901	Field Training	3	Pass (110) Cr.H.	-
0865208	Bridge Engineering	3	0863204 0864205	-
0865503	Treatment of Liquid and Solid Wastes	3	0864504	-
0865702	Construction Project Management	3	0864701	-
0865902	Graduation Project (1)	1	Pass (120) Cr.H.	-
0865903	Graduation Project (2)	2	0865902	-

B) Ancillary Major Requirements: (13) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Co-requisite
0813108	Applied Engineering Mathematics	3	0833105	-
0833106	Fluid Mechanics	3	0862101 *	-
0874106	Engineering Economy and Management	3	0111101	-
0911567	General Chemistry for Engineers	3	-	-
0911568	General Chemistry lab for Engineers	1	-	0911567

C) Elective Major Requirements: (6) Credit Hours

Course no.	Course Title	Cr.H.	Prerequisite	Co-requisite
0865104	Computer Applications in Civil Engineering	3	0864206 0864302	-
0865106	Selected Topics in Civil Engineering	3	Department Approval	-
0865209	Earthquake Engineering	3	0863204	-
0865210	Pre-stressed Concrete	3	0864206	-
0865305	Public Transportation Engineering	3	0864302	-
0865306	Pavement Maintenance and Rehabilitation	3	0864303	-
0865506	Water Resources	3	0864502	-
0865507	Irrigation, Drainage, and Dam Engineering	3	0863500	-

Fourth: Remedial Requirements (to a student who has not passed the level exam)

Course no.	Course Title	Cr.H.	Prerequisite
0161100	Arabic Language (Remedial)	3	-
0171100	English Language (Remedial)	3	-
0331200	Computer Skills (Remedial)	3	-

Ref.: Deans' Council Session (09/2014-2015) Decision No: (06)

Date: 4,6/11/2014

