

* مقرر اختياري 1: تحليل انشاءات 3 أو/أو خرسانة مسلحة 4 أو/أو هندسة أساسات 2 أو/أو جيوتكنك / الهندسة الزلزالية/ هندسة الطرق المتقدمة

* مقرر اختياري 2: مساحة 3 أو/أو هندسة الموائع والشواطئ أو/أو تصميم المطارات



Study Plan Bachelor of Civil Engineering (149 C.H)

Level	First Semester						Second Semester					
	Course Code	Course Name	Credit Hours				Course Code	Course Name	Credit Hours			
			Th.	Pr.	Tut.	Total			Th.	Pr.	Tut.	Total
First Year	B21101	Arabic Language Skills 1	1	0	1	2	B21102	Arabic Language Skills 2	1	0	1	2
	B21103	English Language Skills 1	2	0	1	3	B21104	English Language Skills 2	2	0	1	3
	B21105	Islamic Culture	2	0	0	2	B2110Y	National Culture 2	2	0	0	2
	B2110X	National Culture 1	2	0	0	2	B21107	Computer Applications	1	1	0	2
	B21106	Computer Skills	1	1	0	2	B21113	Liner Algebra	2	0	1	3
	B21111	General Physics	2	1	1	4	B21122	Engineering Mechanics 2	2	0	1	3
	B21112	Calculus	2	0	1	3	B21123	General Chemistry	2	1	0	3
	B21121	Engineering Mechanics 1	2	0	1	3	B21131	Engineering Drawing	1	0	2	3
	Total of Credit Hours		21				Total of Credit Hours		21			
Second Year	B21207	Communication and Self-learning Skills	1	0	1	2	B21215	Numerical Analysis	2	0	1	3
	B21214	Differential Equations	2	0	1	3	B21242	Strength of Materials	2	1	1	4
	B21232	Civil Drawing	1	0	2	3	B21243	Engineering Geology	2	0	0	2
	B21241	Building Materials	2	1	0	3	B21252	Hydraulics	2	1	1	4
	B21251	Fluid Mechanics	2	0	1	3	B21272	Surveying 2	2	1	0	3
	B21261	Theory of Structures	2	0	1	3	B21275	Construction Equipment	2	0	0	2
	B21271	Surveying 1	2	1	0	3						
	Total of Credit Hours		20				Total of Credit Hours		18			
Third Year	B21314	Probability and Statistics	2	0	1	3	B21309	Research Methodology	2	0	0	2
	B21315	Engineering Economics	2	0	0	2	B21345	Soil Mechanics 2	2	1	1	4
	B21344	Soil Mechanics 1	2	1	1	4	B21363	Structural Analysis 2	2	0	1	3
	B21353	Water and Irrigation Engineering	2	0	1	3	B 21365	Reinforced Concrete 2	2	0	1	3
	B21362	Structural Analysis 1	2	0	1	3	B21367	Steel Structures	2	0	1	3
	B21364	Reinforced Concrete 1	2	0	1	3	B21368	Computer Applications Engineering	1	2	0	3
	B21373	Traffic and Transportation Engineering	2	0	1	3	B21374	Road Engineering	2	1	0	3
	Total of Credit Hours		21				Total of Credit Hours		21			
Fourth Year	B21446	Foundation Engineering	2	0	1	3	B21477	Projects Management	2	0	0	2
	B21454	Sanitary Engineering	2	1	1	4	B21482	Elective Course 2 *	2	0	1	3
	B21466	Reinforced Concrete 3	2	0	1	3	B21483	Field Training	0	2	0	2
	B21476	Quantities and Specifications	2	0	1	3	B21485	Graduation Project 2	0	2	0	2
	B21481	Elective Course 1 *	2	0	1	3						
	B21484	Graduation Project 1	1	1	0	2						
	Total of Credit Hours		18				Total of Credit Hours		9			

* Elective Course 1: Structural Analysis 3 OR\ Reinforced Concrete 4 OR\ Foundation Engineering 2 OR\ Geotechnic/ Earthquake Engineering / Highway Engineering

* Elective Course 2: Survey 3 OR\ Offshore Engineering OR\ Design of Airport