

## Study Plans - English

Major	: Civil Engineering / Bachelor	Plan Semester	: 20171
Faculty	: Engineering	Section	: Civil Engineering
Plan Hrs	: 162	Plan Type	: Major
Min Semester	: 5 Semester / Semesters	Edition	: 5 Study Type: Regular Stud
Max Semester	: 16 Semester / Semesters	Thesis Type	: Nothing

Category : University Requirement Hrs : ( 27 ) Hrs

Group : Compulsory Hrs : ( 18 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
0106117	Community Responsibility	3		
0106118	Arabic Communication Skills	3	(0106060)	
0106119	English Communication Skills	3	(0106070)	
0106129	Military Sciences	3		
0106130	Life Skills	3		
0106134	Scientific Thinking Skills	3		

Group : Elective Hrs : ( 9 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
0106107	Contemporary Issues	3		
0106108	Safety and Security	3		
0106109	Introduction to Leadership	3		
0106115	Renewable Energy in Our Lives	3		
0106116	Computer Skills	3	(0106099)	
0106122	Human Rights	3		
0106123	(Jerusalem (Palestinian Cause	3		
0106180	Islamic Culture	3		

Category : Faculty Requirement Hrs : ( 27 ) Hrs

Group : Compulsory Hrs : ( 27 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
0106101	(Mathematics (1	3		
0106102	(Mathematics (2	3	(0106101)	
0106103	(Physics (1	3	(0106101)	
0106105	.Physics (1) Lab	1	(0106103)	
0902112	Engineering Workshops 1	1		
0902113	Engineering Workshops 2	1	(0902112)	
0902116	Engineering & Communication Skills	3	(0106119)	

## Study Plans - English

Category Faculty Requirement

Hrs : ( 27 ) Hrs

Group Compulsory

Hrs : ( 27 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisite Hrs
0902214	Engineering Mathematics	3	(0106102)	
0902219	Probability and Engineering Statistics	3	(0106102)	
0902221	Statics	3	(0106103)	
0902323	Dynamics	3	(0902221)	

Category : Major Requirement

Hrs : ( 91 ) Hrs

Group : Compulsory

Hrs : ( 85 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisite Hrs
0902222	Building Materials Technology	3	(0106132)	
0902223	Strength of Materials	3	(0902221)	
0902225	Building Materials Technology Lab	1	(0902222)	
0902241	Fluid Mechanics	3	(0902221)	
0902254	Engineering Geology	3	(0106132)	
0902325	Structural Analysis 1	3	(0902223)	
0902326	Structural Analysis 2	3	(0902325)	
0902327	Reinforced Concrete Design 1	3	(0902325)	
0902331	Transportation Engineering	3	(0902271)	
0902332	Traffic Engineering	3	(Or (0902331 (0902219)	
0902342	Hydraulics	3	(0902241)	
0902344	Hydrology	3	(0902241)	
0902352	Soil Mechanics	3	(0902254)	
0902353	Geotechnical Engineering Lab	1	(0902352)	
0902416	Computer Applications in Civil Engineering	3	(0902428)	
0902428	Reinforced Concrete Design 2	3	(0902327)	
0902429	Steel Structure Design 1	3	(0902326)	
0902433	Highway and Airports Pavement Design	3	(Or (0902352 (0902332)	
0902434	Highway Materials Lab	1	(0902433)	
0902435	Highway Engineering	3	(0902271)	
0902436	Route Surveying Lab	1	(0902435)	
0902443	Hydraulics Lab	1	(0902342)	
0902445	Water Supply Engineering	3	(0902241)	
0902446	Environmental and Sanitary Engineering	3	(Or (0902241 (0106132)	
0902447	Environmental and Sanitary Engineering Lab	1	(0902446)	
0902455	Foundation Engineering	3	(0902352)	
0902461	Contracts, Specifications and Quantity Surveyin	3	(Or (0902327 (0902224)	
0902522	Steel Structure Design 2	3	(0902429)	

## Study Plans - English

Category Major Requirement

Hrs : ( 91 ) Hrs

Group Compulsory

Hrs : ( 85 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisite Hrs
0902524	Bridge Engineering	3	(0902429 &0902428)	
0902564	Construction Project Management	3	(0902461)	
0902593	(Graduation Project (1	1		120
0902594	(Graduation Project (2	3	(0902593)	
0902595	Project Design in Civil Engineering	3		120
0902596	Engineering and Filed Training	0	(0902428)	120

Group : Elective

Hrs : ( 6 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisite Hrs
0106114	Computer Skills-2 for Engineering Students	3	(0106099)	
0902441	Liquid and Solid Waste Treatment Engineering	3	(0902446)	
0902448	Water Facilities Engineering	3	(0902342)	
0902473	Geographic Information System	3	(0902271)	
0902521	Seismic Engineering	3	(Or (0902429 (0902428)	
0902529	Pre-Stressed Concrete	3	(0902428)	
0902537	Airports Engineering	3	(0902433)	
0902562	Construction Technology	3	(0902564)	
0902566	Special Topics in Civil Engineering	3		120
0902592	Special Reinforced Concrete Design	3	(0902428)	

Category : Supportive Requirement

Hrs : ( 17 ) Hrs

Group : Compulsory

Hrs : ( 17 ) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisite Hrs
0106132	Engineering Chemistry	3		
0106135	Engineering Chemistry Lab	1	(0106132)	
0902111	Descriptive Geometry and Engineering Drawing	3		
0902224	Building Construction and Plans Reading	3	(0902111)	
0902271	Surveying	3	(0106101)	
0902272	Surveying Lab	1	(0902271)	
0902563	Engineering Economy	3	(0902461)	

**Study Plans - English**

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**Category : Orientation Requirement****Hrs : ( 9 ) Hrs**

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**Group : Compulsory****Hrs : ( 9 ) Hrs**

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course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
0106060	Remedial Arabic	3		
0106070	Remedial English	3		
0106099	Remedial Computer Skills	3		