

Major Sheet Starting 2017

Arch. Engineering Department

الجدول المقترحة للدراسة						
المستوى الإعدادى Preparatory Level						
Semester One						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
BAS 011	Mathematics1	3	2	0	2	---
BAS 021	Physics1	3	2	2	1	---
BAS 041	Engineering Chemistry	3	2	2	1	---
MED 011	Engineering Drawing & Projection	3	1	3	3	---
HUM 012	English Language 1	2	1	0	2	HUM x52
MED 021	History of Engineering & Technology	1	1	0	0	---
BAS 031	Mechanics 1	2	2	0	2	---
7 subjects		17	11	7	11	
				29		

Semester Two						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
BAS 012	Mathematics2	3	2	0	2	BAS 011
BAS 022	Physics 2	3	2	2	1	BAS 021
BAS 032	Mechanics 2	2	2	0	2	BAS 031
HUM 352	Human Rights	1	1	0	0	---
MED 022	Principles of Manufacturing Engineering	2	2	1	1	---
HUM 013	English Language 2	2	1	0	2	HUM 012
HUM 011	Arabic Language	2	2	0	0	---
HUM 081	Computer Skills	1	1	4	0	---
8 subjects		16	13	7	8	
				28		

Level First المستوى الأول						
Semester Three						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
ARC 121	History & Theory of Architecture 1	2	2	0	0	-----
ARC 131	Building Construction 1	3	1	0	4	MED 011
ARC 151	Architectural Design 1	3	0		6	MED 011
ARC 112	Visual training & Freehand Drawing	3	1	0	4	MED 011
ARC 113	Sciagraphy & Perspective	3	1	0	4	MED 011
CIP 121	Engineering Surveying	3	2	1	1	BAS 012
IEN 131	Monitoring & Quality Control System	1	1		0	-----
7 subjects		18	12	1	19	
				32		

Semester Four						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
ARC 122	History & Theory of Architecture 2	2	2		0	ARC 121
ARC 132	Building Construction 2	3	1		4	ARC 131
ARC 152	Architectural Design 2	3	0		6	ARC 151
CIS 140	Behavior of Materials & Concrete Technology	3	2	2	1	-----
CIS 110	Structural Analysis	3	2		2	BAS 031, BAS 012
HUM 182	Analysis & Research Skills	2	1		2	-----
A1	Institute Elective A	2	2	0	1	-----
7 subjects		18	10	2	16	
				28		

Level Second المستوى الثاني						
Semester Five						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
ARC 223	History & Theory of Architecture 3	2	2	0	0	ARC 122

ARC 233	Building Construction 3	3	1	0	4	ARC 132
ARC 253	Architectural Design 3	3	0	0	6	ARC 152
ARC 241	Environmental Control	3	2	0	2	-----
CIS 220	Design of Reinforced Concrete Structures	3	2	0	2	CIS 110
HUM – A1	General Elective A	2	2	0	0	-----
A2	Institute Elective A	2	2	0	1	-----
7 subjects		18	11	0	15	
			26			

Semester Six						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
XXX 291	Field Training 1	1	0	6	0	-----
ARC 224	History & Theory of Architecture 4	2	2	0	0	ARC 223
ARC 234	Building Construction 4	3	1	0	4	ARC 233
ARC 254	Architectural Design 4	3	0	0	6	ARC 253
ARC 242	Acoustics & Illumination	2	1	0	2	ARC 241
CIS 250	Soil Mechanics & Foundations	3	2	0	2	CIS 220
BAS 212	Statistics & Probability Theory	3	2	0	2	BAS 012
7 subjects		17	8	6	16	
			30			

Level Third المستوى الثالث

Semester Seven						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
ARC 355	Architectural Design 5	3	0	0	6	ARC 254
ARC 331	Working Drawings 1	3	0	0	6	ARC234
ARC 361	History & Theory of Planning	2	2	0	0	ARC 224
CIW 331	Environmental Impact of Projects	1	1	0	0	-----
ARC A1	Arch. Engineering Elective A	2	2	0	0	-----
IEN 314	Project Management	2	2	0	1	-----
CIS 230	Design of Steel Structures	3	2	0	2	CIS110
A3	Institute Elective A	2	2	0	1	-----

8 subjects	18	11	0	16	
	27				

Semester Eight						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
HUM 111	Technical Report Writing	2	1	0	2	HUM 013
ARC 356	Architectural Design 6	3	0	0	6	ARC 355
ARC 332	Working Drawings 2	3	0	0	6	ARC 331
ARC 362	Principles of Urban Design	2	1	0	2	ARC354, ARC361
IEN 351	Engineering Economics	2	2	0	1	-----
HUM 351	Professional Ethics	1	1	0	0	-----
HUM – A2	General Elective A	2	2	0	0	-----
ARC A2	Arch. Engineering Elective A	2	2	0	0	-----
8 subjects		17	9	0	17	
			26			

Level Fourth المستوى الرابع						
Semester Nine						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
XXX 391	Field Training 2	1	0	6	0	XXX291
ARC 491	Graduation Project 1	1	0	0	2	ARC 356
ARC 433	Working Drawings 3	3	0	0	6	ARC 332
ARC 461	Urban Planning	3	1	0	4	ARC 361
ARC 462	Urban Design	3	1	0	4	ARC 362
ARC B1	Arch. Engineering Elective B	3	1	0	4	-----
ARC B2	Arch. Engineering Elective B	3	1	0	4	-----
7subjects		17	4	6	24	
			34			

Semester Ten						
Code	Course Name	Cr. Hr	Lec	Lab	Tut	Pre-requisite
ARC 492	Graduation Project 2	5	0	0	10	ARC 491

ARC 463	Housing	3	2	0	2	ARC 462
HUM – A3	General Elective A	2	2	0	0	-----
HUM – A4	General Elective A	2	2	0	0	-----
HUM –B1	General Elective B	2	2	0	0	-----
5 subjects		14	8	0	12	
				20		

TOTAL	71 subjects	170	276	
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Institute Requirements (Elective A)		Select 6 Credit Hrs				(اختياري أ) متطلبات المعهد
Code	Course	Cr.	Lec	Lab	Tut	Pre-requisite
CIS 111	Principles of Construction & Building Engineering	2	2	0	1	-----
ARC 111	Arts & Architecture	2	2	0	1	-----
ELP 111	Principles of Electrical Engineering	2	2	0	1	BAS 022
ELE 111	Principles of Electronic Engineering	2	2	0	1	-----
MED 111	Principles of Design & Manufacturing Engineering	2	2	0	1	-----
MEP 111	Principles of Mechanical Power Engineering	2	2	0	1	-----
ARC 110	Principles of Architectural Design	2	2	0	1	MED 011

Major Requirements (Elective A)		Select 4 Credit Hrs				(متطلبات التخصص العام اختياري أ)
Code	Course	Cr.	Lec	Lab	Tut	Pre-requisite
ARC 327	Architectural Criticism & Projects Evaluation	2	2			-----
ARC 334	Building Economics	2	2			-----
ARC 335	Advanced Technical Installation	2	2			-----
ARC 336	Maintenance of Buildings	2	2			-----
ARC 372	Feasibility Studies of Urban Projects	2	2			-----

Major Requirements (Elective B)		Select 6 Credit Hrs				(متطلبات التخصص العام اختياري أ)
Code	Course	Cr.	Lec	Lab	Tut	Pre-requisite
ARC 411	Computer Application in Architecture	3	1	3	2	-----
ARC 457	Interior Design	3	1	0	4	-----
ARC 458	Sustainable Architecture	3	1	0	4	-----
ARC 464	Urban Renewal	3	1	0	4	-----
ARC 481	Conservation of Urban Heritage	3	1	0	4	-----
ARC 459	Landscape Design	3	1	0	4	-----