

First Semester

1st Year	Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours	
						L	Lab
	ENGL103	English for Academic Purposes I	5	ENGL012	3	3	0
MATH111	Calculus I	5	MATH099	3	3	0	
PHYS111	General Physics I	5	-	3	2	2	
CHM101	General Chemistry I	5	-	3	2	2	
GS111	Arabic Language Skills	5	-	3	3	0	
Total					15	13	4

Second Semester

Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours		
					L	Lab	
ENGL104	English for Academic Purposes II	5	ENGL103	3	3	0	
MGT100	Introduction to Entrepreneurship	6	-	2	2	0	
MATH112	Calculus II	6	MATH111	3	3	0	
PHYS113	General Physics II	6	PHYS111	3	2	2	
BIO114	Biology	5	-	3	3	0	
CEE171	Engineering Graphics and CAD	6	-	3	2	2	
Total					17	15	4

Third Semester

2nd Year	Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours	
						L	Lab
	ENGL202	English Writing for Communication	6	ENGL104	3	3	0
MATH210	Calculus III	6	MATH112	3	3	0	
MATH212	Probability and Statistics	6	MATH112	3	3	0	
MATH213	Differential Equations	6	MATH112	3	3	0	
CEE215	Engineering Mechanics-Statics	6	MATH111 + PHYS111	3	3	0	
CEE218	Properties and Testing of Materials	6	PHYS113	3	2	2	
Total					18	17	2

Fourth Semester

Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours		
					L	Lab	
GS133	History of Bahrain	5	-	3	3	0	
LAW106	Human Rights	5	-	2	2	0	
CEE232	Introduction to Environmental Engineering	6	CHEM101 + BIO114	3	2	2	
MATH214	Numerical Methods	7	MATH213	3	3	0	
CEE275	Computer Programming using MATLAB	6	MATH112	3	2	2	
CEE235	Fluid mechanics and Hydraulics	7	CEE215 + MATH211	3	2	2	
Total					17	14	6

Fifth Semester

3rd Year	Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours	
						L	Lab
	CEE341	Surveying	7	MATH212	3	2	2
CEE321	Structural Analysis I	7	CEE215	3	3	0	
CEE333	Water Supply and Sewerage Networks	7	CEE171 + CEE235	3	3	0	
CEE351	Project Management	7	MGT100	3	3	0	
CEE331	Physical Geology	7	CEE218	3	3	0	
CEE334	Environmental Impact Assessment	7	CEE232	3	3	0	
Total					18	17	2

Sixth Semester

Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours		
					L	Lab	
CEE322	Structural Analysis II	7	CEE321	3	3	0	
CEE325	Concrete Design I	7	CEE218 + CEE321	3	3	0	
CEE342	Highway and Traffic Engineering	7	CEE341	3	3	0	
CEE326	Geotechnical Engineering	8	CEE215 + CEE331	3	3	0	
CEE335	Water and Wastewater Treatment Plants	7	CEE333	3	2	2	
CEE350	Sustainable Design and Construction	7	CEE334	3	3	0	
Total					18	17	2

Seventh Semester

4th Year	Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours	
						L	Lab
	ARE411	Architectural Design V	8	ARE312	5	1	0
ARE421	Sustainable Indoor Environment	8	ARE321	3	3	0	
ARE422	Building Material	7	AED122 + ARE322	3	2	2	
ARE441	Housing Theories and Economics	7	ARE371	2	2	0	
ARE442	Interior Design & Modern Art	7	ARE212	3	2	0	
ARE461	Urban Design	8	ARE361	2	1	0	
Total					18	11	2

Eighth Semester

Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours		
					L	Lab	
ARE412	Architecture Design VI	8	ARE411	5	1	0	
ARE423	Construction Drawings II	8	ARE422	3	3	0	
ARE424	Structural Design	8	ARE324 + ARE422	4	2	4	
ARE425	Building Performance Analysis	8	AED331	3	2	2	
ARE462	Planning & Sustainable Cities	8	ARE461	3	3	0	
Total					18	9	8
ARE470	Architecture Internship Training	8	ARE371 + Passing 125 Cr.Hr	4	Varies		

ELECTIVE COURSES

Elective1: One Course

Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours		
					L	St	Lab
ARE581	Advance Rendering Techniques & Animation	7	AED232	3	2	0	2
ARE582	Advance Rendering Techniques & Animation	7	ENGL202	3	2	2	0
ARE583	Architectural Photography & Cinematography	7	AED231	3	2	2	0
ARE584	Building Economic & Real Estate	7	ARE441	3	3	0	0
ARE585	Heritage & Building Conservation	7	ARE242	3	2	2	0

Elective2: One Course

Code	Course Title	NQF Level	Pre requisite	CR.	ContactHours		
					L	St	Lab
ARE586	Advanced Computer Techniques	8	AED331	3	2	0	2
ARE586	Architecture & Virtual Reality	8	AED331	3	2	2	0
ARE586	Introduction to Remote Sensing	8	ARE223 + ARE462	3	2	0	2
ARE586	GIS Application in Planning	8	ARE223 + ARE462	3	2	0	2