

## Semester Modules for Bachelor of Engineering in Architectural Engineering

## Department of Civil and Architectural Engineering

No.	Level	Code	Course	CAT's
1	S	ASU_S_MA1	Mathematics 1	10
2	S	ASU_S_IEN	Intermediate English	10
3	S	ASU_S_POE	Principles of Engineering	10
4	S	ASU_S_ES1	Engineering Science 1	10
5	S	ASU_S_LWS	Laboratory and Workshop Skills	10
6	S	ASU_S_ES2	Engineering Science 2	10
7	S	ASU_S_CPE	Computer Programming for Engineering	10
8	S	ASU_S_MA2	Mathematics 2	10
9	S	ASU_S_CBE	Constructing the Built Environment	10
10	S	ASU_S_SSP	Study Skills and Professional Practice	10
11	S	ASU_S_AEN	Advanced English	10
12	S	ASU_S_HUR	Human Rights	10
13	S	ASU_S_BCH	Bahrain Civilisation and History	0
14	S	ASU_S_ALN	Arabic Language / Arabic Language for Non-Arabic Speakers	0
15	4	ASU_4_EP1	Engineering Practice and Design 1	10
16	4	ASU_4_EM1	Engineering Mathematics 1	10
17	4	ASU_4_AE1	Architectural Engineering Design and Structures 1	10
18	4	ASU_4_PE1	Principles of Engineering Science 1	10
19	4	ASU_4_CAD	CAD Graphics	10
20	4	ASU_4_IDC	Integrated Design and Construction	10
21	4	ASU_4_EP2	Engineering Practice and Design 2	10
22	4	ASU_4_EM2	Engineering Mathematics 2	10
23	4	ASU_4_AE2	Architectural Engineering Design and Structures 2	10
24	4	ASU_4_PE2	Principles of Engineering Science 2	10
25	4	ASU_4_BDT	Building Technology	10
26	4	ASU_4_BSA	Building Environment Simulation and Analysis	10
27	5	ASU_5_SD1	Structural Design 1	10
28	5	ASU_5_AEM	Advanced Engineering Mathematics	10
29	5	ASU_5_GT1	Geotechnics 1	10
30	5	ASU_5_DA1	Design Procedures for Architecture 1	10
31	5	ASU_5_A3D	AutoCAD-3D	10
32	5	ASU_5_EME	Engineering Management and Economics	10
33	5	ASU_5_SD2	Structural Design 2	10
34	5	ASU_5_BIM	Building Information Modelling	10
35	5	ASU_5_EET	Engineering Ethics	10
36	5	ASU_5_DA2	Design Procedures for Architecture 2	10



37	5	ASU_5_AFS	Architectural Engineering Field Studies	10
38	5	ASU_5_ITS	Internship	10
39	6	ASU_6_PR1	Project 1	10
40	6	ASU_6_SA1	Structural Design and Analysis 1	10
41	6	ASU_6_ERM	Engineering Research Methods	10
42	6	ASU_6_ECB	Energy Conservation in Buildings	10
43	6	ASU_6_TDB	Thermodynamics for Buildings	10
44	6	ASU_6_FEC	Forensic Engineering and Conservation	10
45	6	ASU_6_PR2	Project 2	10
46	6	ASU_6_SA2	Structural Design and Analysis 2	10
47	6	ASU_6_GT2	Geotechnics 2	10
48	6	ASU_6_IEM	Innovation, Enterprise and Management	10
49	6	ASU_6_DPR	Design project	20

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15	4	ASU_4_EP1	Engineering Practice and Design 1	10
16	4	ASU_4_EM1	Engineering Mathematics 1	10
17	4	ASU_4_PE1	Principles of Engineering Science 1	10
18	4	ASU_4_SS1	Surveying and Structures 1	10
19	4	ASU_4_CDS	Civil Engineering Drawing and Surveying	10
20	4	ASU_4_SDG	Structural Design	10
21	4	ASU_4_EP2	Engineering Practice and Design 2	10
22	4	ASU_4_EM2	Engineering Mathematics 2	10
23	4	ASU_4_PE2	Principles of Engineering Science 2	10
24	4	ASU_4_SS2	Surveying and Structures 2	10
25	4	ASU_4_EET	Engineering Ethics	10
26	4	ASU_4_SME	Soil Mechanics	10
27	5	ASU_5_AEM	Advanced Engineering Mathematics	10



28	5	ASU_5_DC1	Design and Construction 1	10
29	5	ASU_5_HYD	Hydraulics	10
30	5	ASU_5_STM	Structural Mechanics	10
31	5	ASU_5_EEG	Environmental Engineering	10
32	5	ASU_5_EME	Engineering Management and Economics	10
33	5	ASU_5_IHE	Infrastructure and Highway Engineering	10
34	5	ASU_5_CCF	Civil Engineering and Construction Field Studies	10
35	5	ASU_5_DC2	Design and Construction 2	10
36	5	ASU_5_ASD	Advanced Structural Analysis and Design	10
37	5	ASU_5_THS	Theory of Structures	10
38	5	ASU_5_ITS	Internship	10
39	6	ASU_6_SA1	Structural Design and Analysis 1	10
40	6	ASU_6_CEM	Civil Engineering Materials	10
41	6	ASU_6_FDS	Foundations	10
42	6	ASU_6_ESD	Engineering System Design	10
43	6	ASU_6_ERM	Engineering Research Methods	10
44	6	ASU_6_IEM	Innovation, Enterprise and Management	10
45	6	ASU_6_CTC	Current Topics in Civil and Construction Engineering	10
46	6	ASU_6_GTE	Geotechnical Engineering	10
47	6	ASU_6_SA2	Structural Design and Analysis 2	10
48	6	ASU_6_CMG	Construction Management	10
49	6	ASU_6_PRJ	Project	20