

Study Plan

Year	Semester 1	Module Codes	Credit Hours	Semester 2	Module Codes	Credit Hours	Level	
1	Engineering Science 1	ASU_S_ES1	3 hrs. (10 CAT)	Engineering Science 2	ASU_S_ES2	3 hrs. (10 CAT)	S	Core
	Intermediate English	ASU_S_IEN	3 hrs. (10 CAT)	Advanced English	ASU_S_AEN	3 hrs. (10 CAT)	S	Core
	Mathematics 1	ASU_S_MA1	3 hrs. (10 CAT)	Mathematics 2	ASU_S_MA2	3 hrs. (10 CAT)	S	Core
	Principles of Engineering	ASU_S_POE	3 hrs. (10 CAT)	Constructing the Built Environment	ASU_S_CBE	3 hrs. (10 CAT)	S	Core
	Laboratory and Workshop Skills	ASU_S_LWS	3 hrs. (10 CAT)	Study Skills and Professional Practice	ASU_S_SSP	3 hrs. (10 CAT)	S	Core
				Computer Programming for Engineering	ASU_S_CPE	3 hrs. (10 CAT)	S	Core
Summer	Human Rights				ASU_S_HUR	3 hrs. (10 CAT)	S	Core
	Bahrain Civilisation and History				ASU_S_BCH	3 hrs. (10 CAT)	S	HEC req.
	Arabic Language				ASU_S_ALA	3 hrs.	S	HEC req.
	Arabic Language for Non-Arabic Speakers				ASU_S_ALN	(10 CAT)		
Total			50			90		140
2	Engineering Practice and Design 1	ASU_4_EP1	3 hrs. (10 CAT)	Engineering Practice and Design 2	ASU_4_EP2	3 hrs. (10 CAT)	4	Core
	Engineering Mathematics 1	ASU_4_EM1	3 hrs. (10 CAT)	Engineering Mathematics 2	ASU_4_EM2	3 hrs. (10 CAT)	4	Core
	Integrated Design and Construction	ASU_4_IDC	3 hrs. (10 CAT)	Building Technology	ASU_4_BDT	3 hrs. (10 CAT)	4	Core
	Architectural Engineering Design and Structures 1	ASU_4_AE1	3 hrs. (10 CAT)	Architectural Engineering Design and Structures 2	ASU_4_AE2	3 hrs. (10 CAT)	4	Core
	Principles of Engineering Science 1	ASU_4_PE1	3 hrs. (10 CAT)	Principles of Engineering Science 2	ASU_4_PE2	3 hrs. (10 CAT)	4	Core
	CAD Graphics	ASU_4_CAD	3 hrs. (10 CAT)	Building Environment Simulation and Analysis	ASU_4_BSA	3 hrs. (10 CAT)	4	Core
Total			60			60		120
3	Structural Design 1	ASU_5_SD1	3 hrs. (10 CAT)	Structural Design 2	ASU_5_SD2	3 hrs. (10 CAT)	5	Core
	Advanced Engineering Mathematics	ASU_5_AEM	3 hrs. (10 CAT)	Building Information Modelling	ASU_5_BIM	3 hrs. (10 CAT)	5	Core
	Geotechnics 1	ASU_5_GT1	3 hrs. (10 CAT)	Engineering Ethics	ASU_5_EET	3 hrs. (10 CAT)	5	Core
	Design Procedures for Architecture 1	ASU_5_DA1	3 hrs. (10 CAT)	Design Procedures for Architecture 2	ASU_5_DA2	3 hrs. (10 CAT)	5	Core
	AutoCAD-3D	ASU_5_A3D	3 hrs. (10 CAT)	Architectural Engineering Field Studies	ASU_5_AFS	3 hrs. (10 CAT)	5	Core
	Engineering Management and Economics	ASU_5_EME	3 hrs. (10 CAT)					
Summer	Internship				ASU_5_ITS	3 hrs. (10 CAT)	5	Core
Total			60			60		120
4	Project 1	ASU_6_PR1	3 hrs. (10 CAT)	Project 2	ASU_6_PR2	3 hrs. (10 CAT)	6	Core
	Structural Design and Analysis 1	ASU_6_SA1	3 hrs. (10 CAT)	Structural Design and Analysis 2	ASU_6_SA2	3 hrs. (10 CAT)	6	Core
	Engineering Research Methods	ASU_6_ERM	3 hrs. (10 CAT)	Geotechnics 2	ASU_6_GT2	3 hrs. (10 CAT)	6	Core
	Energy Conservation in Buildings	ASU_6_ECB	3 hrs. (10 CAT)	Innovation, Enterprise and Management	ASU_6_IEM	3 hrs. (10 CAT)	6	Core
	Thermodynamics for Buildings	ASU_6_TDB	3 hrs. (10 CAT)	Design project	ASU_6_DPR	6 hrs. (20 CAT)	6	Core
	Forensic Engineering and Conservation	ASU_6_FEC	3 hrs. (10 CAT)					
Total			60			60		120
Total 150 credit hours including HEC requirements								