

College of Engineering 2024 - 2025
BEng (Hons) Architectural Engineering – Dual Award
Study Plan

Year	Semester 1	Module Codes	CAT	Semester 2	Module Codes	CAT	Level	
1	Engineering Science 1	ASU_S_ES1	10	Engineering Science 2	ASU_S_ES2	10	S	Core
	Intermediate English	ASU_S_IEN	10	Advanced English	ASU_S_AEN	10	S	Core
	Mathematics 1	ASU_S_MA1	10	Mathematics 2	ASU_S_MA2	10	S	Core
	Principles of Engineering	ASU_S_POE	10	Constructing the Built Environment	ASU_S_CBE	10	S	Core
	Laboratory and Workshop Skills	ASU_S_LWS	10	Study Skills and Professional Practice	ASU_S_SSP	10	S	Core
				Computer Programming for Engineering	ASU_S_CPE	10	S	Core
Summer	Human Rights				ASU_S_HUR	10	S	Core
	Bahrain Civilisation and History				ASU_S_BCH	-	S	HEC req.
	Arabic Language				ASU_S_ALA	-	S	HEC req.
	Arabic Language for Non-Arabic Speakers				ASU_S_ALN	-	S	HEC req.
Total			50			70		120
2	Engineering Practice and Design 1	ASU_4_EP1	10	Engineering Practice and Design 2	ASU_4_EP2	10	4	Core
	Engineering Mathematics 1	ASU_4_EM1	10	Engineering Mathematics 2	ASU_4_EM2	10	4	Core
	Integrated Design and Construction	ASU_4_IDC	10	Building Technology	ASU_4_BDT	10	4	Core
	Architectural Engineering Design and Structures 1	ASU_4_AE1	10	Architectural Engineering Design and Structures 2	ASU_4_AE2	10	4	Core
	Principles of Engineering Science 1	ASU_4_PE1	10	Principles of Engineering Science 2	ASU_4_PE2	10	4	Core
	CAD Graphics	ASU_4_CAD	10	Building Environment Simulation and Analysis	ASU_4_BSA	10	4	Core
Total			60			60		120
3	Structural Design 1	ASU_5_SD1	10	Structural Design 2	ASU_5_SD2	10	5	Core
	Advanced Engineering Mathematics	ASU_5_AEM	10	Building Information Modelling	ASU_5_BIM	10	5	Core
	Geotechnics 1	ASU_5_GT1	10	Engineering Ethics	ASU_5_EET	10	5	Core
	Design Procedures for Architecture 1	ASU_5_DA1	10	Design Procedures for Architecture 2	ASU_5_DA2	10	5	Core
	AutoCAD-3D	ASU_5_A3D	10	Architectural Engineering Field Studies	ASU_5_AFS	10	5	Core
	Engineering Management and Economics	ASU_5_EME	10	Internship	ASU_5_ITS	10	5	Core
Total			60			60		120
4	Project 1	ASU_6_PR1	10	Project 2	ASU_6_PR2	10	6	Core
	Structural Design and Analysis 1	ASU_6_SA1	10	Structural Design and Analysis 2	ASU_6_SA2	10	6	Core
	Engineering Research Methods	ASU_6_ERM	10	Geotechnics 2	ASU_6_GT2	10	6	Core
	Energy Conservation in Buildings	ASU_6_ECB	10	Innovation, Enterprise and Management	ASU_6_IEM	10	6	Core
	Thermodynamics for Buildings	ASU_6_TDB	10	Design project	ASU_6_DPR	20	6	Core
	Forensic Engineering and Conservation	ASU_6_FEC	10					
Total			60			60		120