College of Engineering 2024 - 2025
BEng (Hons) Civil 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			
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
	Principles of Engineering Science 1	ASU_4_PE1	10	Principles of Engineering Science 2	ASU_4_PE2	10	4	Core
	Surveying and Structures 1	ASU_4_SS1	10	Surveying and Structures 2	ASU_4_SS2	10	4	Core
	Civil Engineering Drawing and Surveying	ASU_4_CDS	10	Engineering Ethics	ASU_4_EET	10	4	Core
	Structural Design	ASU_4_SDG	10	Soil Mechanics	ASU_4_SME	10	4	Core
Total			**60**			**60**		**120**
3	Advanced Engineering Mathematics	ASU_5_AEM	10	Infrastructure and Highway Engineering	ASU_5_IHE	10	5	Core
	Design and Construction 1	ASU_5_DC1	10	Internship	ASU_5_ITS	10	5	Core
	Hydraulics	ASU_5_HYD	10	Design and Construction 2	ASU_5_DC2	10	5	Core
	Structural Mechanics	ASU_5_STM	10	Advanced Structural Analysis and Design	ASU_5_ASD	10	5	Core
	Environmental Engineering	ASU_5_EEG	10	Theory of Structures	ASU_5_THS	10	5	Core
	Engineering Management and Economics	ASU_5_EME	10	Civil Engineering and Construction Field Studies	ASU_5_CCF	10	5	Core
Total			**60**			**60**		**120**
4	Structural Design and Analysis 1	ASU_6_SA1	10	Current Topics in Civil and Construction Engineering	ASU_6_CTC	10	6	Core
	Civil Engineering Materials	ASU_6_CEM	10	Geotechnical Engineering	ASU_6_GTE	10	6	Core
	Foundations	ASU_6_FDS	10	Structural Design and Analysis 2	ASU_6_SA2	10	6	Core
	Engineering System Design	ASU_6_ESD	10	Construction Management	ASU_6_CMG	10	6	Core
	Engineering Research Methods	ASU_6_ERM	10	Project	ASU_6_PRJ	20	6	Core
	Innovation, Enterprise and Management	ASU_6_IEM	10					
Total			**60**			**60**		**120**