

# 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
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)		
<b>Total</b>			<b>50</b>			<b>90</b>		<b>140</b>
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
	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
	Surveying and Structures 1	ASU_4_SS1	3 hrs. (10 CAT)	Surveying and Structures 2	ASU_4_SS2	3 hrs. (10 CAT)	4	Core
	Civil Engineering Drawing and Surveying	ASU_4_CDS	3 hrs. (10 CAT)	Engineering Ethics	ASU_4_EET	3 hrs. (10 CAT)	4	Core
	Structural Design	ASU_4_SDG	3 hrs. (10 CAT)	Soil Mechanics	ASU_4_SME	3 hrs. (10 CAT)	4	Core
<b>Total</b>			<b>60</b>			<b>60</b>		<b>120</b>
3	Advanced Engineering Mathematics	ASU_5_AEM	3 hrs. (10 CAT)	Infrastructure and Highway Engineering	ASU_5_IHE	3 hrs. (10 CAT)	5	Core
	Design and Construction 1	ASU_5_DC1	3 hrs. (10 CAT)	Civil Engineering and Construction Field Studies	ASU_5_CCF	3 hrs. (10 CAT)	5	Core
	Hydraulics	ASU_5_HYD	3 hrs. (10 CAT)	Design and Construction 2	ASU_5_DC2	3 hrs. (10 CAT)	5	Core
	Structural Mechanics	ASU_5_STM	3 hrs. (10 CAT)	Advanced Structural Analysis and Design	ASU_5_ASD	3 hrs. (10 CAT)	5	Core
	Environmental Engineering	ASU_5_EEG	3 hrs. (10 CAT)	Theory of Structures	ASU_5_THS	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
<b>Total</b>			<b>60</b>			<b>60</b>		<b>120</b>
4	Structural Design and Analysis 1	ASU_6_SA1	3 hrs. (10 CAT)	Current Topics in Civil and Construction Engineering	ASU_6_CTC	3 hrs. (10 CAT)	6	Core
	Civil Engineering Materials	ASU_6_CEM	3 hrs. (10 CAT)	Geotechnical Engineering	ASU_6_GTE	3 hrs. (10 CAT)	6	Core
	Foundations	ASU_6_FDS	3 hrs. (10 CAT)	Structural Design and Analysis 2	ASU_6_SA2	3 hrs. (10 CAT)	6	Core
	Engineering System Design	ASU_6_ESD	3 hrs. (10 CAT)	Construction Management	ASU_6_CMG	3 hrs. (10 CAT)	6	Core
	Engineering Research Methods	ASU_6_ERM	3 hrs. (10 CAT)	Project	ASU_6_PRJ	6 hrs. (20 CAT)	6	Core
	Innovation, Enterprise and Management	ASU_6_IEM	3 hrs. (10 CAT)					
<b>Total</b>			<b>60</b>			<b>60</b>		<b>120</b>
<b>Total 150 credit hours including HEC requirements</b>								