

B.Eng (Hons) Civil Engineering (ASU)

Year	Semester	Credits	Level	Semester	Credits	Level	
Semester 1				Semester 2			
1	Mathematics 1	10	S	Engineering Science 2	10	S	Core
	Intermediate English	10	S	Computer Programming for Engineering	10	S	Core
	Principles of Engineering	10	S	Mathematics 2	10	S	Core
	Engineering Science 1	10	S	Constructing the Built Environment	10	S	Core
	Laboratory and Workshop Skills	10	S	Study Skills and Professional Practice	10	S	Core
				Advanced English	10	S	Core
Summer	Human Rights				10	S	Core
	Bahrain Civilisation and History				0	S	HEC requirement
	Arabic Language / Arabic Language for Non-Arabic Speakers				0	S	HEC requirement
Semester 1				Semester 2			
2	Engineering Practice and Design1	10	4	Engineering Practice and Design 2	10	4	Core
	Engineering Mathematics 1	10	4	Engineering Mathematics 2	10	4	Core
	Principles of Engineering Science 1	10	4	Principles of Engineering Science 2	10	4	Core
	Surveying and Structures 1	10	4	Surveying and Structures 2	10	4	Core
	Civil Engineering Drawing and Surveying	10	4	Engineering Ethics	10	4	Core
	Structural Design	10	4	Soil Mechanics	10	4	Core
Semester 1				Semester 2			
3	Advanced Engineering Mathematics	10	5	Infrastructure and Highway Engineering	10	5	Core
	Design and Construction 1	10	5	Design and Construction 2	10	5	Core
	Hydraulics	10	5	Advanced Structural Analysis and Design	10	5	Core
	Structural Mechanics	10	5	Theory of Structures	10	5	Core
	Environmental Engineering	10	5	Civil Engineering and Construction Field Studies	10	5	Core
	Engineering Management and	10	5				
Summer	Internship				10	5	Core
Semester 1				Semester 2			
4	Structural Design and Analysis 1	10	6	Current Topics in Civil and Construction Engineering	10	6	Core
	Civil Engineering Materials	10	6	Geotechnical Engineering	10	6	Core
	Foundations	10	6	Structural Design and Analysis 2	10	6	Core
	Engineering System Design	10	6	Construction Management	10	6	Core
	Engineering Research Methods	10	6	Project	20	6	Core
	Innovation, Enterprise and Management	10	6				