

B.Eng (Hons) Electrical and Electronic 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
	Scientific Principles of Engineering	10	S	Mathematics 2	10	S	Core
	Engineering Science 1	10	S	Practical Electronics	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	Design and Practice	20	4	Engineering Computing	20	4	Core
	Engineering Principles	20	4	Introduction to Electrical and Electronic Engineering	20	4	Core
	Engineering Mathematics and Modelling	20	4	Introduction to Digital Electronics	20	4	Core
Semester 1				Semester 2			
3	Advanced Engineering Mathematics and Modelling	20	5	Team Design Project	10	5	Core
	Circuits, Signals and Systems	20	5	Electrical machines and power electronics	20	5	Core
	Principles of Control	20	5	Analogue and Digital Circuit Design	20	5	Core
Summer	Internship				10	5	Core
Semester 1				Semester 2			
4	Digital Systems Design	20	6	Advanced Analogue and RF Electronics	20	6	Core
	Project *	40	6	Innovation and Enterprise	20	6	Core
				Control Engineering	20	6	Core