

		Code	Title	Pre-Req.	UK CR	US CR	Lec	P			Code	Title	Pre-Req.	UK CR	US CR	Lec	P				
Year one	1st Semester	ENG118	English for Effective Communication	none	12	3	2	2	2nd Semester	S.S	ENG120	Advanced English Skills	ENGL119	12	3	2	2				
		ENG119	English for Technical Reporting	none	12	3	2	2			HST201	History and Culture of Bahrain	none	8	2	2	0				
		ENG161	Engineering Mathematics I	none	8	2	1	2			ENGI164	Engineering Mathematics II	ENGI161	8	2	1	2				
		ENGI162	Material Physics and Properties	none	8	2	1	2			ENGI172	Introduction to Engineering	none	8	2	1	2				
		ARB102	Arabic Language	none	12	3	2	2			LAW453	Human rights	none	8	2	2	0				
		INDE121	Engineering Drawing	none	8	2	1	2			ENGI173	Basics of Electro Mechanical Systems Design	none	20	5	4	2				
		Total					60	15			9	12	Total					64	16	12	8
											SPAC141	Sport and Activities	none	8	2	1	2				
Year Two	3rd Semester	ENG1051	Mathematics for Engineers	none	20	5	4	2	4th Semester	S.S	ENG1004	Introduction to Engineering Design	none	20	5	4	2				
		ENG1050	Electrical and Electronic Principles	none	20	5	3	4			CSY1020	Problem Solving and Programming	none	20	5	3	4				
		CSY1014	Computer Systems	none	20	5	3	4			ENG1048	Engineering Industry Practice	none	20	5	3	4				
		Total					60	15			10	10	Total					60	15	10	10
													ENGI241	Internship I	Achieving 40% Cr.Hr	4	1	100 working hours in a workplace			
											SUS301	Sustainability	none	8	2	2	0				
Year Three	5th Semester	ENG2045	Advanced Mathematics for Engineers	ENG1051	20	5	4	2	6th Semester	S.S	ENG 2050	Control Systems	ENG1050	20	5	3	4				
		CSY2015	Microprocessor Systems	CSY1014 or ENG1050	20	5	3	4			ENG2054	Electromagnetism for Engineers	ENG1050	20	5	3	4				
		ENG2051	Analogue and Digital Electronics	ENG1005 or ENG1050	20	5	3	4			ENG2046	Industrial Appreciation	ENG1050	20	5	3	4				
		Total					60	15			10	10	Total					60	15	9	12
													ENGI341	Internship II	Achieving 70% Cr.Hr	8	2	200 working hours in a workplace			
											ADM301	Innovation and Entrepreneurship	none	8	2	2	0				
Year Four	7th Semester	CSY3022	Digital Signal Processing	CSY2022 or CSY2015	20	5	3	4	8th Semester	S.S	ENG3020	Advanced Electro-Mechanical system design	none	20	5	3	4				
		ENG3022	Advanced Digital Electronics	ENG1050 or CSY2015	20	5	3	4			ENG3005	Lean Manufacturing and Quality Applications	none	20	5	5	0				
		ENG4004	Engineering Project	none	20	5	0	10			ENG4004	Engineering Project	none	20	5	0	10				
		Total					60	15			6	18	Total					60	15	8	14
											Total					Cr.H.	Lec.	P.H			
											Total					130	79	96			