

Year	Semester	Code	Title	Pre-Req.	UK CR	US CR	Lec	P	S.S	Code	Title	Pre-Req.	UK CR	US CR	Lec	P	
		1st Semester				2nd Semester				3rd Semester				4th Semester			
Year one	1st Semester	ENG118	English for Effective Communication	none	12	3	2	2	2nd Semester	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	
		ENG1161	Engineering Mathematics I	none	8	2	1	2		ENG1164	Engineering Mathematics II	ENG1161	8	2	1	2	
		ENG1162	Material Physics and Properties	none	8	2	1	2		ENG1172	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		ENG1173	Basics of Electro Mechanical Systems Design	none	20	5	4	2	
	Total				60	15	9	12		Total				64	16	12	8
									S.S	SPAC141	Sport and Activities	none	8	2	1	2	
Year Two	3rd Semester	ENG1051	Mathematics for Engineers	none	20	5	4	2	4th Semester	ENG1004	Introduction to Engineering Design	none	20	5	4	2	
		ENG1050	Electrical and Electronic Principles	none	20	5	3	4		ENG1049	Thermo-Fluid and Mechanical Principles	none	20	5	3	4	
		ENG1007	Materials Science	none	20	5	3	4		ENG1048	Engineering Industry Practice	none	20	5	3	4	
		Total				60	15	10		10	Total				60	15	10
										S.S	ENG1241	Internship I	Achieving 40% Cr.Hr	4	1	100 working hours in a	
									S.S	SUS301	Sustainability	none	8	2	2	0	
Year Three	5th Semester	ENG2045	Advanced Mathematics for Engineers	ENG1051	20	5	4	2	6th Semester	ENG2050	Control Systems	ENG1050	20	5	3	4	
		ENG2055	Advanced Thermo-Fluids	ENG1049	20	5	4	2		ENG2005	Engineering Design	ENG1004	20	5	3	4	
		ENG2053	Solid Mechanics	ENG1049 and ENG1051	20	5	5	0		ENG2046	Industrial Appreciation	none	20	5	3	4	
	Total				60	15	13	4		Total				60	15	9	12
									S.S	ENG1341	Internship II	Achieving 70% Cr.Hr	8	2	200 working hours in a		
									S.S	ADM301	Innovation and Entrepreneurship	none	8	2	2	0	
Year Four	7th Semester	ENG3023	Computational Fluid Mechanics	ENG2045 and ENG2055	20	5	3	4	8th Semester	ENG3021	Mechanisms and Machines	none	20	5	3	4	
		ENG3019	Corrosion Engineering	none	20	5	5	0		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	8	14		Total				60	15	8	14
					Cr.H.		Lec.	P.H									
					130		84	86									