

Year	Semester	Code	Title	Pre-Req.	UK CR	US CR	Lec	P	S.S	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	ENG120	Advanced English Skills	ENGL119	12	3	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		
<b>Total</b>					<b>60</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>Total</b>					<b>64</b>	<b>16</b>	<b>12</b>	<b>8</b>	
										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		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		
		<b>Total</b>					<b>60</b>	<b>15</b>		<b>10</b>	<b>10</b>	<b>Total</b>					<b>60</b>	<b>15</b>
											ENG1241	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	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		
<b>Total</b>					<b>60</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>Total</b>					<b>60</b>	<b>15</b>	<b>9</b>	<b>12</b>	
										ENG1341	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	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		
	<b>Total</b>					<b>60</b>	<b>15</b>	<b>6</b>	<b>18</b>	<b>Total</b>					<b>60</b>	<b>15</b>	<b>8</b>	<b>14</b>
<b>Total</b>																		
						Cr.H.	Lec.	P.H										
						130	79	96										