



جامعة حفر الباطن
University of Hafr Al Batin
كلية الهندسة

First Year (Freshman)											
Course Code		Title	LC	LB	CR	Course Code		Title	LC	LB	CR
MATH	101	Calculus I	4	0	4	MATH	102	Calculus II	4	0	4
CHEM	101	General Chemistry I	3	4	4	CHEM	102	General Chemistry II	3	4	4
PHYS	101	General Physics I	3	3	4	PHYS	102	General Physics II	3	3	4
ENGL	101	An Introduction to Academic Discourse	3	0	3	ENGL	102	Introduction to Report Writing	3	0	3
CSE	103	Computer Program in C	2	3	3	IAS	101	Practical Grammar	2	0	2
PE	101	Health and Physical Education I	0	2	1	PE	102	Health and Physical Education II	0	2	1
			15	12	19				15	9	18
Second Year (Sophomore)											
Course Code		Title	LC	LB	CR	Course Code		Title	LC	LB	CR
CHE	201	Principles of Chem. Engg.	3	0	3	CHE	203	Chem. Engg. Thermo. I	2	0	2
CHEM	221	Organic Chemistry I	3	4	4	CHE	204	Process Fluid Mechanics	3	3	4
MATH	201	Calculus III	3	0	3	BIOL	233	Biology for Engineers	2	3	3
ENGL	214	Academic & Professional Communication	3	0	3	MATH	202	Elementary Differential Equation	3	0	3
IAS	111	Belief and its Consequences	2	0	2	IAS	201	Writing for Professional Needs	2	0	2
ME	216	Materials Science & Eng.	3	3	4	XXX	xxx	Free Elective I	3	0	3
			17	7	19				15	6	17
Third Year (Junior)											
Course Code		Title	LC	LB	CR	Course Code		Title	LC	LB	CR
CHE	300	Process Heat Transfer	3	3	4	CHE	306	Stagewise Separations	3	3	4
CHE	303	Chem. Engg. Thermo. II	3	0	3	CHE	307	Process Dynamics and Cont.	3	0	3
CHE	304	Mass Transfer	3	0	3	CHE	308	Kinetics and Reactor Design	3	3	4
CHEM	312	Physical Chemistry II	3	4	4	CHE	xxx	Chem. Engg. Elective I	3	0	3
MATH	321	Intro. Numerical Computing	3	0	3	XXX	xxx	Free Elective II	3	0	3
IAS	212	Professional Ethics	2	0	2	IAS	301	Oral Communication Skills	2	0	2
			17	7	19				17	6	19
Summer Session						CHE	350	Cooperative Work	0	0	0
Fourth Year (Senior)											
Course Code		Title	LC	LB	CR	Course Code		Title	LC	LB	CR
CHE	351	Cooperative Work (Cuntinued)	0	0	6	CHE	415	Computer Aided Process Design Lab	1	3	2
						CHE	425	Process Design and Econ.	3	0	3
						CHE	495	Integrated Design Course	1	6	3
						CHE	xxx	Chem. Eng. Elective II	3	0	3
						CHE	xxx	Chem. Eng. Elective III	3	0	3
						IAS	322	Human Rights in Islam	2	0	2
			0	0	6				13	9	16
Total Credit Hours of CHE Program is 133											