SAMPLE FOR STUDY PLAN

First semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
BE 101	Engineering Mathematics (1)	3	2	0	3
BE 121	Engineering Physics (1)	3	0	2	3
BE 111	Engineering Mechanics (1)	3	2	0	3
BE 141	Eng. Drawing & Descriptive Geometry (1)	2	4	0	3
CE 100	Computer Fundamentals	2	1	2	3
HU 111	English Language	3	0	2	3
Total		16	9	6	18
		31			

Second semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
BE 102	Engineering Mathematics (2)	3	2	0	3
BE 122	Engineering Physics (2)	3	0	2	3
BE 112	Engineering Mechanics (2)	2	2	0	2
BE 142	Eng. Drawing & Descriptive Geometry (2)	2	3	1	3
BE 131	General Chemistry	2	1	1	2
ME 170	Introduction to Manufacturing Processes	2	0	2	2
HU 121	History of Engineering and Technology	2	0	0	2
Total		16	8	6	17
		30			

Third Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
BE 103	Engineering Mathematics (3)	3	2	0	3
PE 217	Material Science	3	0	2	3
ME 251	Fluid Mechanics 1	2	2	1	3
PE 210	Organic Chemistry I	2	0	3	3
PE 214	Inorganic & Analytical Chemistry	2	0	3	3
HU 113	Technical Report Writing and Presentation Skills	2	0	2	2
Total		14	4	11	17
		29			

Fourth Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
BE 204	Engineering Mathematics (4)	3	2	0	3
EE 208	Fundamentals of Electrical Engineering	3	1	1	3
ME 218	Mechanics of Materials and Mechanical design	3	2	0	3
PE 231	Heat Transfer in Chemical Process	3	2	2	4
PE 213	Organic Chemistry (2)	2	0	3	3
PE 315	Physical Chemistry	3	0	2	3
Total		17	7	8	19
		32			

Fifth Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
BE 207	Numerical Analysis	3	2	0	3
EE 210	Measurements and Interface	3	1	1	3
PE 200	Chemical Engineering Thermodynamics I	3	2	0	3
PE 311	Chemical Process principles I	3	2	0	3
BE 208	Applied probability and statistics	3	0	0	3
HU 141	Ethics and Human rights	2	0	0	2
PE 321	Computer Application in process Engineering	2	2	0	2
Total		19	9	1	19
		28			

Sixth Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
PE 230	Phase Equilibrium	3	2	0	3
PE 314	Instrumental Analysis	2	0	3	3
PE 312	Chemical Process principles II	3	2	0	3
PE 389	Introduction to environmental engineering	3	0	0	3
PE 202	Chemical Engineering Thermodynamics ∏	3	1	1	3
PE 201	Introduction to Petrochemical Industries	3	0	0	3
Total		17	5	4	18
		26			

Seventh Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
PE 313	Mass Transfer I	3	2	0	3
PE 322	Chemical Reaction Engineering	3	1	1	3
PE 324	Gas Treatment	4	1	0	4
PE 335	Polymer Science & Engineering I	3	1	1	3
PE 323	Petroleum Refining	3	1	1	3
HU	Elective	2	0	0	2
Total		18	6	3	18
		27			

Eighth Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
PE 316	Mass Transfer II	3	2	2	4
PE 320	Automatic Process Control	3	0	2	3
PE 318	Industrial Corrosion	3	0	1	3
HU	Elective	2	0	0	2
PE 325	Industrial Catalysis	3	2	0	3
PE	Elective	3	0	0	3
Total		17	4	5	18
		24			

Ninth Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
PE 368	Chemical Plant Design I	3	2	0	3
PE 385	Optimization of Chemical Processes	3	2	0	3
PE 400-1	Graduation project I	3	0	3	4
PE 361	Fertilizer industry	3	0	2	3
HU	Elective	2	0	0	2
PE	Elective	3	0	0	3
Total		17	4	5	18
		26			

Tenth Semester

Code	Subject	Contact Hours			Credit Hours
		Lecture	Tutorial	Lab.	
PE 360	Evaluation of Petroleum & Its Products	3	0	2	3
PE 369	Chemical Plant design II	3	2	0	3
PE	Elective	3	0	0	3
PE 390	Industrial Equipment and Material Handling	3	2	0	3
PE 400-2	Graduation Project II	3	0	3	4
HU	Elective	2	0	0	2
Total		17	4	5	18
		26			