

CHEMICAL ENGINEERING:

FRESHMAN YEAR		
FALL		
C&PE 117 ^A	Introduction to the Petroleum Eng. Profession I	1
CHEM 170	Chemistry for the Chemical Sciences I (KU CORE GE3N)	5
ENGL 101	Composition (KU CORE GE21)	3
MATH 121	Calculus I (KU CORE GE12)	5
		Total hours 14
SPRING		
C&PE 127 ^A	Introduction to the Petroleum Eng. Profession II	1
C&PE 121	Intro. Computers Engineering	3
CHEM 175	Chemistry for the Chemical Sciences II	5
ENGL 102	Composition & Literature (KU CORE GE21)	3
MATH 122	Calculus II	5
		Total hours 17

^AStudents may take C&PE 111 – Introduction to the Profession (2) Fall

SOPHOMORE YEAR		
FALL		
C&PE 211	Material & Energy Balances	3
CHEM 330	Organic Chemistry I	3
CHEM 331	Organic Chemistry I Lab	2
MATH 220	Applied Differential Equations	3
MATH 290	Elementary Linear Algebra	2
PHSX 210	General Physics I for Engineers (KU CORE GE11)	3
PHSX 216	General Physics I Laboratory (KU CORE AE51)	1
		Total hours 17
SPRING		
C&PE 221	Chemical Engineering Thermodynamics I	3
PHSX 212	General Physics II	3
PHSX 236	General Physics II Laboratory	1
GEOL 101	Introduction to Geology	3
GEOL 103	Introduction to Geology Laboratory	2
C&PE 327	Reservoir Engineering I	4
		Total hours 16

Revised April 2014 (DPS)

Petroleum Option

w/ KU CORE[†]

JUNIOR YEAR		
FALL		
C&PE 511	Momentum Transfer	3
C&PE 512	Chemical Engineering Thermodynamics II	3
C&PE 522	Economic Appraisal of C&PE Projects (KU CORE AE51)	2
CHEM 530	Physical Chemistry I	3
C&PE 527	Reservoir Engineering II	4
		Total hour 15
SPRING		
C&PE 521	Heat Transfer	3
C&PE 523	Mass Transfer	4
C&PE 524	Chemical Engineering Kinetics & Reactor Design	3
CHEM 535	Physical Chemistry II	4
_____	KU CORE ELECTIVE (GE3S, GE3H, AE41, or AE42)	3
		Total hours 17

SENIOR YEAR		
FALL		
C&PE 613	Chemical Engineering Design I (KU CORE G2 LO2 & G61)	4
C&PE 615	Introduction to Process Dynamics and Control	3
C&PE 616	Chemical Engineering Laboratory I (KU CORE GE22)	3
_____	Engineering Elective	3
_____	KU CORE ELECTIVE (GE3S, GE3H, AE41, or AE42)	3
		Total hours 16
SPRING		
C&PE 623	Chemical Engineering Design II	2
C&PE 624	Plant & Environmental Safety (KU CORE AE51)	3
C&PE 626	Chemical Engineering Laboratory II (KU CORE GE22)	3
C&PE_____	Petroleum Engineering Elective ¹	3
_____	KU CORE ELECTIVE (GE3S, GE3H, AE41, or AE42)	3
_____	KU CORE ELECTIVE (GE3S, GE3H, AE41, or AE42)	3
		Total hours 17

[†] KU CORE: Learn more at <http://kucore.ku.edu/>

131 credit hours maximum required for graduation.

¹Students must take 3 credits of Petroleum Engineering Elective Courses at the 500 level or above