

The University of Texas of Permian Basin (2019-2020)
Chemical Engineering B.S. Degree Plan (Semester by Semester)

Freshman Year						
Fall		Hours	Spring		Hours	
ENGL 1301	Composition I	3	MATH 2414	Calculus II	4	
MATH 2413	Calculus I	4	PHYS 2325	University Physics I	3	
CHEM 1311	General Chemistry I	3	PHYS 2125	University Physics I Lab	1	
CHEM 1111	General Chemistry Lab I	1	CHEM 1312	General Chemistry II	3	
PLSC 2305	American National Politics	3	CHEM 1112	General Chemistry Lab II	1	
COMM 1315	Communication	3	CENG 2333	Elementary Chemical Engr.	3	
		17			15	32
Sophomore Year						
Fall		Hours	Spring		Hours	
ENGL 1302	Composition II	3	ARTS	Arts Elective	3	
PHYS 2326	University Physics II	3	MATH 3320	Differential Equations	3	
PHYS 2126	University Physics II Lab	1	MATH 3301	Statistics	3	
MATH 2415	Calculus III	4		Social Science Elective	3	
CHEM 3311	Organic Chemistry I	3	CHEM 3312	Organic Chemistry II	3	
CHEM 3111	Organic Chemistry Lab I	1	CHEM 3114	Organic Chemistry Lab II	1	
		15			16	31
Junior Year						
Fall			Spring		Hours	
ENGR 3375	Intro. To Thermodynamics	3	CENG 3354	Chem. Engr. Thermodynamics	3	
CENG 4324	Chem. Engr. Mass Transfer	3	HIST 1301	US history to 1877	3	
CENG 3304	Chem. Engr. Fluid Oper.	3	ENGR 3303	Intro to Materials Science	3	
CENG 3320	Chem. Engr. Analysis	3	CENG 4372	Chem. Engr. Kinetics	3	
CENG 3313	Heat Transfer Operations	3	CENG 4355	Process Safety Engineering	3	
			CENG 3211	Chem. Engr. Lab I	2	
		15			17	32
Senior Year						
Fall			Spring		Hours	
PLSC 2306	State and Local Politics	3	PENG 3326	Engineering Economics	3	
CENG 4361	Process Dynam. & Control	3	HIST 1302	US History since 1877	3	
ENGL 23xx	Lan/Phil/Cultural Course	3	ENGR 4195	Professional Practice	1	
CENG 4369	Gas & Petro Processing	3	CENG 43xx	CENG Elective.	3	
CENG 43xx	CENG Elective.	3	CENG 4410	Senior Design	4	
CENG 4211	Chem. Engr. Lab II	2				
		17			14	31
						126