PETROLEUM ENGINEERING 128-HOUR CURRICULUM WORKSHEET

Curriculum approved by UCCC Spring 2018 for implementation with freshmen fall 2018

FRESHMAN YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
CH 1211	Inv. in Chemistry	1		CH 1221	Inv. in Chemistry	1	
CH 1213	Fund. of Chemistry	3		CH 1223	Fund. of Chemistry	3	
PTE 1101	Intro to Petroleum Engineering*	1		CHE 2213	CHE Analysis**	3	
EN 1103	English Comp. I	3		EN 1113	English Comp. II	3	
MA 1713	Calculus I	3		MA 1723	Calculus II	3	
	Humanities Elective	3		PH 2213	Physics I	3	
	Social Science Elective	3					
	Total	17			Total	16	

SOPHOMORE YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
CHE 2114	Mass and Energy Balances	4		MA 2743	Calculus IV	3	
MA 2733	Calculus III	3		PTE 3902	PTE Lab I**	2	
CHE 3203	Fluids Unit Operations*	3		EM 3213	Mechanics of Materials	3	
EM 2413	Engineering Mechanics I	3		PTE 3903	Reservoir Fluid Properties**	3	
PTE 3953	Reservoir Rock Properties*	3		IE 4613	Engineering Statistics I	3	
				CHE 3113	Thermo I	3	
	Total	16			Total	17	

JUNIOR YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
PTE 3963	Drilling*	3		PTE 4923	Completion Design**	3	
PTE 4953	Formation Evaluation*	3		PTE 4903	Reservoir Engineering I**	3	
PTE 3973	Petroleum Production*	3		PTE 4993	Petroleum Economic Analysis**	3	
PTE 3912	PTE Lab II*	2		CHE 3213	Heat Transfer	3	
MA 3253	Differential Equations	3		GG 4413	Structural Geology	3	
IE 3913	Engineering Economy I	3					
	Total	17			Total	15	

SENIOR YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
PTE 4913	Reservoir Engineering II*	3		PTE 4963	Oil Recovery Methods**	3	
GE 3513	Technical Writing	3		PTE 4983	Capstone Design in PTE**	3	
GG	Geology Elective	3			Humanities Elective	3	
	Technical Elective	3			Social Science Elective	3	
CHE 3413	Engineering Materials*	3			Fine Arts Elective	3	
	Total	15			Total	15	

* Taught during fall semester only

** Taught during spring semester only

A list of Geology and Technical Electives is available at the link https://www.che.msstate.edu/pte/pte_curriculum/