Petroleum Engineering, BS

University of Wyoming, 2017-18

Freshman Fall Semester			Hrs	Min Grade	Notes
		USP First-Year Seminar	3	C	FY
CHEM	1020	General Chemistry I *	4		PN
GEOL	1100	Physical Geology	4		PN
MATH	2200	Calculus I **	4	C	Q
PETE	1060	Intro to Petroleum Eng Problem Solving ***	1	C	
		Credit hours subtotal:	**16**		

Freshman Spring Semester			Hrs	Min Grade	Notes
		USP US & Wyoming Constitutions	3		V
CHEM	1030	General Chemistry II	4		
ENGL	1010	College Composition & Rhetoric	3	C	C1
ES	2110	Statics	3	C	
MATH	2205	Calculus II	4	C	
		Credit hours subtotal:	**17**		

Sophomore Fall Semester			Hrs	Min Grade	Notes
COJO	2010	Public Speaking	3	C	C2
ES	2120	Dynamics	3	C	
ES	2410	Mechanics of Materials	3	C	
MATH	2210	Calculus III	4	C	
MATH	2310	Applied Differential Equations I	3		
		Credit hours subtotal:	**16**		

Sophomore Spring Semester			Hrs	Min Grade	Notes
		USP Human Culture	3		H
CHEM	2300	Introduction to Organic Chemistry	4		
ES	2310	Thermodynamics I	3	C	
ES	2330	Fluid Dynamics	3	C	
PETE	2050	Introduction to Petroleum Engineering	3	C	
		Credit hours subtotal:	**16**		

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the *University Catalog* and consult with their academic advisor to plan accordingly.

University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

College of Engineering and Applied Science requirements:

Students must have a minimum cumulative GPA of 2.0 in all engineering courses for graduation. • A grade of C or higher is required for all prerequisite courses. Students must also achieve a grade of C or better in all required mathematics courses.

Petroleum Engineering Program Notes:

Petroleum Engineering requires 48 hours of upper division credit (3000-level or above) to graduate from the program. • In addition, Petroleum Engineering degree candidates must have a gpa of 2.0 in Petroleum Engineering courses attempted at UW that are applied toward graduation for the BS degree from the department.

Petroleum Engineering Program Notes con't on page 2.

Petroleum Engineering, BS

University of Wyoming, 2017-18

Junior Fall Semester			Hrs	Min Grade		Notes
PETE	2060	Intro to Petroleum Engineering Computing	3			
PETE	3015	Multicomponent Thermodynamics	3			
PETE	3100	Rock and Fluids Lab	2			
PETE	3255	Basic Drilling Engineering	3			
PHYS	1220	Engineering Physics II	4			
		Credit hours subtotal:	**15**			

Junior Spring Semester			Hrs	Min Grade		Notes
PETE	3200	Reservoir Engineering	3			
PETE	3265	Drilling Fluids Laboratory	3			
PETE	3715	Production Engineering	3			
PETE	3725	Well Bore Operations	3			
PETE	4320	Well Log Interpretation	3			
		Credit hours subtotal:	**15**			

Senior Fall Semester			Hrs	Min Grade		Notes
		USP Human Culture	3		H	
PETE	4225	Well Test Analysis	2			
PETE	4340	Petroleum Economics	3			
		Technical Electives ****	9			
		Credit hours subtotal:	**17**			

Senior Spring Semester			Hrs	Min Grade		Notes
GEOL	4190	Petroleum Geology	3			
PETE	4736	Petroleum Engineering Design	4	C	C3	
		Technical Electives ****	9			
		Credit hours subtotal:	**16**			
		TOTAL CREDIT HOURS:	**128**			

Petroleum Engineering Program Notes con't:

* Requires MATH ACT ≥ 23, MATH SAT ≥ 600, Math Placement Exam ≥ 3, or concurrent enrollment in MATH 1400, 1405, or 1450. (University standard)

** Requires MATH ACT ≥ 27, MATH SAT ≥ 600, Math Placement Exam ≥ 5, or ≥ C in MATH 1405 or 1450. (University standard)

*** Requires MATH ACT ≥ 27, MATH SAT ≥ 600, Math Placement Exam ≥ 5, or concurrent enrollment in MATH 2200. (University standard)

**** **Technical Electives** must be selected with an advisor's approval. The technical electives in the Petroleum Engineering curriculum can be used to take a concentration or a minor. Additional information about concentrations/minors and available courses can be found in the Petroleum Engineering Academic Advising Guide, a current copy of which can be found at *http://www.uwyo.edu/petroleum/undergraduate/current-students/advising%20information/*

Transfer Credit Limit (Fall 2017): (1) To graduate with a degree in Petroleum Engineering from UW, students must successfully complete at least 20 hours of required PETE courses from the University of Wyoming. (2) For transfer students, once a student has transferred to Petroleum Engineering s/he may take no more than 9 additional transfer credits at other institutions. (3) For non-transfer students, students may take no more than 18 transfer credits at other institutions.

Repeating a course: Students who fail a PETE course 3 times are no longer eligible to enroll in the class again.

Academic Suspension: Students who have been suspended twice are no longer eligible to enroll in the Petroleum Engineering program and will be formally dismissesd from the program.