

Petroleum Engineering, BS



University of Wyoming, 2015-16

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.

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

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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 ≥ 27 , MATH SAT ≥ 600 , Math Placement Exam ≥ 5 , or $\geq C$ 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/advising%20information/>