



## B.S. Petroleum Engineering 2020-2021 Catalog

University of Wyoming B.S. Petroleum Engineering	CR	Min Grade	Notes
<b>USP - University Studies Program Requirements</b>			
<b>USP: First Year Seminar</b>	3	C	FYS
<b>USP: Communications I</b>	3	C	C1
<b>USP: Communications II</b>	3	C	C2
<b>USP: Communications III</b> (PETE 4736 included in Petroleum Engineering curriculum)		C	C3
<b>USP: US &amp; Wyoming Constitutions</b>	3		V
<b>USP: Human Culture</b>	3		H
	3		H
<b>USP: Quantitative</b> MATH 2200 Calculus I	4	C	Q
<b>USP: Physical &amp; Natural World</b> CHEM 1020 General Chemistry	4	D	PN
GEOL 1100 Physical Geology	4	D	PN
<b>Credit hours subtotal:</b>			30
<b>Petroleum Engineering Major Courses</b>			
PETE 1060 Intro to Petroleum Engineering Problem Solving	1	C	
PETE 2050 Fundamentals of Petroleum Engineering	3	C	
PETE 2060 Introduction to Petroleum Engineering Computing	3	D	
PETE 3015 Multicomponent Thermodynamics	3	D	
PETE 3025 Heat and Mass Transfer	3	D	
PETE 3100 Rock and Fluids Lab	2	D	
PETE 3200 Reservoir Engineering	3	D	
PETE 3255 Basic Drilling Engineering	3	D	
PETE 3265 Drilling Fluids Laboratory	3	D	
PETE 3715 Production Engineering	3	D	
PETE 3725 Well Completions	3	D	
PETE 4320 Well Log Interpretation	3	D	
PETE 4225 Well Test Analysis	3	D	
PETE 4340 Petroleum Economics	3	D	
PETE 4736 Petroleum Engineering Design	4	C	C3
ES 2110 Statics	3	C	
ES 2120 Dynamics	3	C	
ES 2310 Thermodynamics	3	C	
ES 2330 Fluid Dynamics	3	C	
ES 2410 Mechanics of Materials	3	C	
<b>Credit hours subtotal:</b>			58

Major Related Courses		
CHEM 1030 General Chemistry II	4	D
CHEM 2300 Introductory Organic Chemistry	4	D
GEOL 4190 Petroleum Geology	3	D
PHYS 1220 Engineering Physics II	4	D
MATH 2205 Calculus II	4	C
MATH 2210 Calculus III	4	C
MATH 2310 Applied Differential Equations I	3	D
<b>Technical Electives (complete all)</b>		
Technical Elective #1 (PETE)		
Technical Elective #2 (PETE)		
Technical Elective #3 (GEOL)		
Technical Elective #4		
Technical Elective #5	15	D

See Technical Electives note

**Credit hours subtotal:** 41

<b>B.S. Petroleum Engineering credit hours total:</b>	<b>129</b>
-------------------------------------------------------	------------

### Petroleum Engineering Major Notes:

- A minimum of 129 hours is required. A minimum of 48 hours must be upper division (3000-4000 level).
- Technical Electives must be selected with Advisor's approval from Department list or Department's documented approval.
- Students must complete twenty (20) credit hours of required PETE courses at UW. Transfer students may only transfer 9 additional credits once they have matriculated at UW. Non transfer students may only transfer 18 credits from other institutions.
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all engineering courses and a minimum GPA of 2.0 in all PETE courses attempted at UW.
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.

### 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 single 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.

**The University of Wyoming Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.**