



PETROLEUM ENGINEERING, BSPE

FALL

SPRING

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
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FRESHMAN YEAR

	USP: Communications I	C1	3	C		MATH 2205	Calculus II	Q	4	C	
						Prerequisite:	C in Math 2200				
CHEM 1020	General Chemistry I	PN	4	D		CHEM 1030	General Chemistry II	PN	4	D	
	Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450					Prerequisite:	D in CHEM 1020				
GEOL 1100	Physical Geology	PN	4	D		ES 2110	Statics		3	C	
						Prerequisite:	C in Math 2205 or concurrent enrollment				
MATH 2200	Calculus I	Q	4	C			USP: Human Culture	H	3	D	
	Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640										
	USP: Human Culture	H	3	D			USP: US & Wyo Const.	V	3	D	
Total			18			Total			17		

SOPHOMORE YEAR

MATH 2210	Calculus III		4	C			USP: Communications II	C2	3	C	
	Prerequisite: C in Math 2205					Prerequisite:	C IN C1				
MATH 2310	Applied Differential Eqns I		3	C		ES 2310	Thermodynamics		3	C	
	Prerequisite: C in Math 2205.					Prerequisite:	C in MATH 2210 and C in ES 2120				
ES 2120	Dynamics		3	C		ES 2330	Fluid Dynamics		3	C	
	Prerequisite: C in MATH 2205 and C in ES 2110					Prerequisite:	C in MATH 2210 and C in ES 2120				
PHYS 1220	Engr Physics II	PN	4	D		ES 2410	Mechanics of Materials		3	C	
	Prerequisite: Concurrent in MATH 2210					Prerequisite:	C in MATH 2205 and C in ES 2110				
PETE 2050	Fundamentals Petroleum Engr.		3	C		PETE 2070	Geology/Geophysics for Petrol Eng		3	D	
	Prerequisite: C in Math 2200 or concurrent enrollment					Prerequisite:	C in PETE 2050				
Total			17			Total			15		

JUNIOR YEAR

PETE 3110	Reservoir Petrophysics		3	D		PETE 2060	Computing and Data Mining		3	C	
	C in PETE 2050					Prerequisite:	C in PETE 2050				
PETE 3015	Phase Behavior of Res Fluids		3	D		PETE 3200	Reservoir Engineering		3	D	
	Prerequisite: C in ES 2310 and D in PETE 2070					Prerequisite:	D in PETE 3110				
PETE 3025	Heat and Mass Transfer		3	D		PETE 3715	Production Engineering		3	D	
	Prerequisite: C in ES 2330					Prerequisite:	C in PETE 2050, ES 2310, and ES 2330				
PETE 3255	Drilling Engineering		3	D		PETE 3725	Well Completion/Stimulation		3	D	
	Prerequisite: C in ES 2330 and D in PETE 2070					Prerequisite:	C in PETE 2050 and ES 2410				
PETE 4320	Well Log Interpretation		3	D		PETE 4255	Advanced Drilling Engineering		3	D	
	Prerequisite: C in PETE 2050					Prerequisite:	D in PETE 3255				
Total			15			Total			15		

SENIOR YEAR

PETE 4225	Well Test Analysis	3	D		PETE 4736	PETE Design	C3	4	C		
Prerequisite:	D in PETE 3200				Prerequisite:	D in PETE 3200, 3255, 3715, 3725 and C in COM2					
PETE 4220	Geostatistics/Subsurface Char	3	D		PETE	PETE Elective		3	D		
Prerequisite:	D in PETE 3200										
PETE 4340	Petroleum Economics & Law	3	D			Technical Elective		3	D		
Prerequisite:	D in PETE 3715										
PETE	PETE Elective	3	D			Technical Elective		3	D		
Total					Total					13	
					Total Program Credits:					122	

Fall only or spring only course

- A minimum of 122 hours is required. • A minimum of 48 hours must be upper division. • 30 hours of upper division must be from UW.
- 6 credits of Petroleum Engineering Technical Electives are required.
- 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 for a degree from the College of Engineering and Physical Sciences, unless the
- Students must complete 20 credit hours of required PETE courses at UW. Transfer students may only transfer nine additional credits once they have matriculated at UW. Non-transfer students may only transfer 18 credits from other institutions.