



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

SOPHOMORE YEAR

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

JUNIOR YEAR

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

SENIOR YEAR

PETE 4225	Well Test Analysis		3	D		PETE 4736	PETE Design	C3	4	C	
<i>Prerequisite: D in PETE 3200</i>						<i>Prerequisite: D in PETE 3200, 3255, 3715, 3725 & C in COM2</i>					
PETE 4220	Geostatistics/Subsurface Char		3	D		PETE	PETE Elective		3	D	
<i>Prerequisite: D in PETE 3200</i>											
PETE 4340	Petroleum Economics & Law		3	D			Technical Elective		3	D	
<i>Prerequisite: D in PETE 3715</i>											
PETE	PETE Elective		3	D			Technical Elective		3	D	
Total						Total					
12						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.