College of Engineering and Physical Sciences

PETROLEUM ENGINEERING, BSPE

FRESHMAN YEAR

FALL						SPRING					
Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
	USP: Communications I	C1	3	C			USP: US & Wyo Const.	V	3	D	
CHEM 1020	General Chemistry I	PN	4	D		CHEM 1030	Gen Chem 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:	*Concurrent in MATH 2205*				
MATH 2200	Calculus I	Q	4	C		MATH 2205	Calculus II	Q	4	C	
Prerequisite:	*C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640*					*Prerequisite:*	*C in Math 2200*				
PETE 1060	Intro Petro Engr Prob Solving		1	C							
Prerequisite:	*Concurrent MATH 2200*										
	Total		16				Total		14		

SOPHOMORE YEAR

MATH 2210	Calculus III		4	C		PETE 2050	Fundamentals Pet. Engr		3	C	
Prerequisite:	*C in Math 2205*					*Prerequisite:*	*Concurrent in MATH 2200*				
MATH 2310	Applied Differential Eqns I		3	C		ES 2310	Thermodynamics		3	C	
Prerequisite:	*C in Math 2205.*					*Prerequisite:*	*C in MATH 2210 and ES 2120*				
ES 2120	Dynamics		3	C		ES 2330	Fluid Dynamics		3	C	
Prerequisite:	*C in MATH 2205 and ES 2110*					*Prerequisite:*	*C in MATH 2210 & either ES 2120 or PHYS 1210*				
ES 2410	Mechanics of Materials		3	C		PHYS 1220	Engr Physics II	PN	4	D	
Prerequisite:	*C in MATH 2205 and ES 2110*					*Prerequisite:*	*Concurrent in MATH 2210*				
	USP: Communications II	C2	3	C			USP: Human Culture	H	3	D	
Prerequisite:	*C IN C1*										
	Total		16				Total		16		

JUNIOR YEAR

PETE 2060	Computing & Data Mining		3	D		PETE 3200	Reservoir Engineering		3	D	
Prerequisite:	*C in PETE 2050*					*Prerequisite:*	*D in PETE 3110*				
PETE 3015	Phase Behavior/Res Fluids		3	D		PETE 3265	Drilling Fluids Lab		3	D	
Prerequisite:	*C in ES 2310 and PETE 2070*					*Prerequisite:*	*D in PETE 3255, C in ES 2310 and ES 2330*				
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 3100	Rock & Fluids Lab		2	D		PETE 3725	Well Completions		3	D	
Prerequisite:	*C in PETE 2050*					*Prerequisite:*	*C in PETE 2050 and ES 2410*				
PETE 3255	Drilling Engineering		3	D		PETE 4320	Well Log Interpretation		3	D	
Prerequisite:	*C in ES 2330 and PETE 2070*					*Prerequisite:*	*C in PETE 2050*				
	Total		14				Total		15		

SENIOR YEAR

PETE 4225	Well Test Analysis		3	D		PETE 4736	Petroleum Eng Design	C3	4	C	
Prerequisite:	*D in PETE 3200*					*Prerequisite:*	*D in PETE 3200, 3255, 3715, 3725 &C in COM2*				
PETE 4340	Petroleum Economics/Law		3	D		GEOL 4190	Petroleum Geology		3	D	
Prerequisite:	*D in PETE 3715*					*Prerequisite:*	*D in GEOL 2005 or PETE 2050*				
PETE	Technical Elective		3	D			USP: Human Culture	H	3	D	
PETE	Technical Elective		3	D		PETE	Technical Elective		3	D	
GEOL	Technical Elective		3	D		PETE	Technical Elective		3	D	
	Total		15				Total		16		

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.

• 15 credits of Technical Electives required. •13 credits of Technical Electives must be upper division. •Technical electives must be selected with advisor's approval from Department list or Department documented approval.

• 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 course is offered for S/U credit only.

• 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 many only transfer 18 credits from other institutions.

2023-2024 Catalog Year