

## 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: First Year Seminar	FYS	3	C			USP: US & Wyo Const.	V	3	D	
CHEM 1020	General Chemistry I	PN	4	D			CHEM 1030	Gen Chem II		4	D
Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450						Prerequisite: D in CHEM 1020					
GEOL 1100	Physical Geology		4	D			ES 2110	Statics		3	C
Prerequisite: C in MATH 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640						Prerequisite: Concurrent in MATH 2205					
MATH 2200	Calculus I	Q	4	C			MATH 2205	Calculus II		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		1	C			USP: Communications I	C1	3	C	
Prerequisite: Concurrent MATH 2200											
Total			16			Total			17		

### SOPHOMORE YEAR

MATH 2210	Calculus III		4	C		PETE 2050	Fundamentals Pet. Engr		3	C	
Prerequisite: C in MATH 2205						Prerequisite: C in MATH 2205 and PETE 1060					
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 and ES 2120					
ES 2410	Mechanics of Materials		3	C		CHEM 2300	Intro Organic Chem		4	D	
Prerequisite: C in MATH 2205 and ES 2110						Prerequisite: D in CHEM 1020					
COJO 2010	Public Speaking	C2	3	C		PHYS 1220	Engr Physics II		4	D	
Prerequisite: C in C1						Prerequisite: Concurrent in MATH 2210					
Total			16			Total			17		

### JUNIOR YEAR

PETE 2060	Petroleum Engr		3	D		PETE 3200	Reservoir Engineering		3	D	
Prerequisite: C in PETE 1060, concurrent in MATH 2310						Prerequisite: C in PETE 2050 and PETE 3025					
PETE 3025	Heat and Mass Transfer		3	D		PETE 3265	Drilling Fluids Lab		3	D	
Prerequisite: C in ES 2330 and MATH 2310						Prerequisite: D in PETE 3255, C in ES 2310 and ES 2330					
PETE 3100	Rock & Fluids Lab		2	D		PETE 3715	Production Engineering		3	D	
Prerequisite: C in PETE 2050						Prerequisite: C in PETE 2050, ES 2310, and ES 2330					
PETE 3255	Basic Drilling Engineering		3	D		PETE 3725	Well Bore Operations		3	D	
Prerequisite: C in PETE 2050 and ES 2330						Prerequisite: C in PETE 2050 and ES 2410					
PETE 3015	Multicomponent Thermo		3	D		PETE 4320	Well Log Interpretation		3	D	
Prerequisite: C in ES 2310, concurrent in PETE 2060						Prerequisite: C in PETE 2050					
	USP: Human Culture	H	3	D							
Total			17			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 4340	Petroleum Economics		3	D		GEOL 4190	Petroleum Geology		3	D	
Prerequisite: D in PETE 3200						Prerequisite: D in PETE 2050					
PETE	Technical Elective		3	D			USP: Human Culture	H	3	D	
PETE	Technical Elective		3	D			Technical Elective		3	D	
GEOL	Technical Elective		3	D			Technical Elective		3	D	
Total			15			Total			16		

Total Program Credits: 129

#### Fall only or spring only course

- A minimum of 129 hours is required. • A minimum of 48 hours must be upper division.
- 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 Applied Science, 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 may only transfer 18 credits from other institutions.