

## PETROLEUM ENGINEERING CURRICULUM

(for students entering UW Fall 2018 or later)

FALL		CREDITS		SPRING		CREDITS	
Course Title		CREDITS		Course Title		CREDITS	
<b>Year 1</b>							
	1101 First Year Seminar (FYS)	3			US & Wyo Constitutions (V)	3	
CHEM	1020 Gen Chem I (PN) <small>ACT 23 or Concurrent MATH 1400 or 1405 or 1450</small>	4		CHEM	1030 Gen Chem II <small>CHEM 1020</small>	4	
GEOL	1100 Physical Geology (PN) <small>None</small>	4		ES	2110 Statics <small>Concurrent in MATH 2205</small>	3	
MATH	2200 Calculus I (Q) <small>C in MATH 1405 or 1450, or MPE 5, or ACT 27/SAT 600</small>	4		MATH	2205 Calculus II <small>C in MATH 2200</small>	4	
PETE	1060 Intro Petro Engr Prob Solving <small>Concurrent MATH 2200</small>	1		ENGL	1010 College Comp. & Rhet. (COM1) <small>None</small>	3	
<b>16</b>				<b>17</b>			
<b>Year 2</b>							
MATH	2210 Calculus III <small>C in MATH 2205</small>	4		PETE	2050 Fundamentals Petroleum Engr <small>C in (MATH 2205, PETE1060)</small>	3	
MATH	2310 Applied Differential Eqns I <small>C in MATH 2205</small>	3		ES	2310 Thermodynamics I <small>C in (MATH 2210, ES 2120)</small>	3	
ES	2120 Dynamics <small>C in (MATH 2205, ES 2110)</small>	3		ES	2330 Fluid Dynamics <small>C in (MATH 2210, ES 2120)</small>	3	
ES	2410 Mechanics of Materials <small>C in (MATH 2205, ES 2110)</small>	3		CHEM	2300 Intro Organic Chem <small>CHEM 1020, 1050, 1000 or equivalent</small>	4	
COJO	2010 Public Speaking (COM2) <small>C in ENGL 1010 (or ESL 1210 or HP 1020)</small>	3		PHYS	1220 Engr Physics II <small>Concurrent in MATH 2210</small>	4	
<b>16</b>				<b>17</b>			
<b>Year 3</b>							
PETE	3025 Heat & Mass Transfer <small>C in (MATH 2310, ES 2330)</small>	3		PETE	3200 Reservoir Engineering <small>PETE 3025 and C in PETE 2050</small>	3	
PETE	2060 Petroleum Engr Computing <small>C in PETE 1060, concurrent in MATH 2310</small>	3		PETE	3265 Drilling Fluids Lab <small>PETE 3255</small>	3	
PETE	3100 Rock and Fluids Lab <small>C in PETE 2050</small>	2		PETE	3715 Production Engineering <small>C in (PETE 2050, ES 2310, ES 2330)</small>	3	
PETE	3255 Basic Drilling Engineering <small>C in (PETE 2050, ES 2330)</small>	3		PETE	3725 Well Bore Operations <small>C in (PETE 2050, ES 2410)</small>	3	
PETE	3015 Multicomponent Thermo <small>C in ES 2310, concurrent in PETE 2060</small>	3		PETE	4320 Well Log Interpretation <small>C in PETE 2050</small>	3	
	Human Culture Elective (H)	3					
<b>17</b>				<b>15</b>			
<b>Year 4</b>							
PETE	4225 Well Test Analysis <small>PETE 3200</small>	3		PETE	4736 PETE Design (COM3) <small>PETE 3200, 3255, 3715, 3725, C in COM 2</small>	4	
PETE	4340 Petroleum Economics <small>PETE 3200</small>	3		GEOL	4190 Petroleum Geology <small>PETE 2050</small>	3	
PETE	Technical Elective	3			Human Culture Elective (H)	3	
PETE	Technical Elective	3			Technical Elective	3	
GEOL	Technical Elective	3			Technical Elective	3	
<b>15</b>				<b>16</b>			

Total Hours: **129**



Prerequisite(s)

C or better is required for these courses