

PETROLEUM ENGINEERING CURRICULUM

(for students entering UW Fall 2015 or later)

| FALL | | Credits | | SPRING | | Credits | |
|-------------------------|---|---------|--|--------------|---|---------|--|
| Course Title | | | | Course Title | | | |
| Year 1 | | | | | | | |
| | 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 | |
| 16 | | | | 17 | | | |
| Year 2 | | | | | | | |
| 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 | | | Human Culture Elective (H) | 3 | |
| 16 | | | | 16 | | | |
| Year 3 | | | | | | | |
| PHYS | 1220 Engr Physics II <small>Concurrent in MATH 2210</small> | 4 | | PETE | 3200 Reservoir Engineering <small>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 (ES 2310, 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 | |
| 15 | | | | 15 | | | |
| Year 4 | | | | | | | |
| PETE | 4225 Well Test Analysis <small>PETE 3200</small> | 2 | | 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 | |
| | Human Culture Elective (H) | 3 | | | Technical Elective | 3 | |
| PETE | Technical Elective | 3 | | | Technical Elective | 3 | |
| PETE | Technical Elective | 3 | | | Technical Elective | 3 | |
| GEOL | Technical Elective | 3 | | | | | |
| 17 | | | | 16 | | | |
| Total Hours: 128 | | | | | | | |

Prerequisite(s)
 C or better is required for these courses

