

**PETROLEUM ENGINEERING CURRICULUM**  
(Revised August 4, 2016)

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
1A <b>ChE 1011</b> Freshman Seminar	2A <b>ChE 2213</b> <b>CHE Analysis</b> Pre-req: C or better in 1E; Credit or registration in 1C	3A <b>ChE 2114</b> <b>Mass &amp; Ener Bal</b> Pre-req: C or better in 2E Co-req: registration in 2C	4A <b>ChE 3113</b> <b>Thermo I</b> Pre: C or better in 2E & 2F Co-req: 3A, 3C	5A <b>PTE 3953 Reservoir Rock Properties</b> Pre: 2F, 3C & 4A	6A <b>PTE 3902 Lab I</b> Pre: 5A & 5C	7A <b>PTE 3912 Lab II</b> Pre-req: 4B & 6A	8A <b>PTE 4923 Completion Design</b> Pre: 6B
		3B <b>GG 1113 Survey of Earth Sci.</b>	4B <b>PTE 3903 Reservoir Fluid Properties</b> Pre: 2F, 3C & Co: 4A	5B <b>ChE 3413</b> <b>Engineering Materials</b> Pre: C or better in 2E & 2F	6B <b>PTE 4903 Reservoir Engineering I</b> Pre: 4B, 4D & 5A	7B <b>PTE 3973 Petroleum Production</b> Pre: 3B, 3F, 4C, 4A & 4B	8B <b>PTE 4963 Oil Recovery Methods</b> Pre: 7C
1C <b>MA 1713</b> <b>Calculus I</b> Pre: ACT Math subscore of 26 or C in MA 1323 or 1453	2C <b>MA 1723</b> <b>Calculus II</b> Pre: C or better in MA 1713	3C <b>MA 2733</b> <b>Calculus III</b> Pre: C or better in MA 1723	4C <b>MA 2743</b> <b>Calculus IV</b> Pre: C or Better in MA 2733	5C <b>PTE 3963 Drilling</b> Pre: 3F, 4C, 4A & 4B	6C <b>EM 2413</b> <b>Engineering Mechanics</b> Pre: C or better in 2C & 2F	7C <b>PTE 4913 Reservoir Engineering II</b> Pre: 6B	8C <b>PTE 4993 Petroleum Econ. Analysis</b> Pre: 5C, 6B, 7B Co: 8B
1D <b>CH 1211</b> <b>Investigations In Chemistry</b>	2D <b>CH 1221</b> <b>Investigations In Chemistry</b> Pre: 1C and credit or enrolled CH 1223		4D <b>MA 3253</b> <b>Differential Equations</b> Pre: 4C OR Co: 4C	5D <b>Geology Elective</b>	6D <b>GE 3513 Tech Writing</b> Pre: English Comp & Junior	7B <b>PTE 4953 Formation Evaluation</b> Pre: 6B	8D <b>EM 3213 Mechanics of Materials</b> Pre: C or better in 3C & 6C
1E <b>CH 1213</b> <b>Fundamentals of Chemistry</b> Pre: Math ACT=22 or C in MA 1313	2E <b>CH 1223</b> <b>Fundamentals of Chemistry</b> Pre: Credit in CH 1213		4E <b>IE 3913</b> <b>Engr. Econ.</b> Pre: 1B	5E <b>Fine Arts Elective</b>	6E <b>IE 4613 Engineering Statistics I</b> Pre: 2C	7D <b>Technical Elective</b> See online catalog for prerequisites	8E <b>ChE 4413</b> <b>Transport</b> Pre: C in CHE 3213, 4D & CHE 3203 or EM 3313
1F <b>Social Science Elective</b>	2F <b>PH 2213</b> <b>Physics I</b> Pre: 1C, Co: 2C	3F <b>PH 2223</b> <b>Physics II</b> Pre: 2F, 2C			6F <b>Technical Elective</b> See online catalog for prerequisites	7F <b>Social Science Elective</b>	
1G <b>EN 1103</b> <b>English Composition I</b> Pre: ACT English subscore of 19 or EN 1003	2G <b>EN 1113</b> <b>English Composition II</b> Pre: 1G, EN 1163, or EN 1153	3G <b>Humanities Elective</b>					
1H <b>Humanities Elective</b>							

A grade of "C" or better is required in all chemical engineering courses and math courses excluding CHE 4113, 4134, 4223, & 4233