

PETROLEUM ENGINEERING

2020-2022 CATALOG

Suggested Arrangement of Courses for Eight-Semester Program

FIRST YEAR

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
CH 301, <i>Principles of Chemistry I</i>	3	CH 302, <i>Principles of Chemistry II</i>	3
GEO 303, <i>Introduction to Geology</i>	3	PGE 301, <i>Engineering, Energy and the Environment</i> . . .	3
M 408C, <i>Differential and Integral Calculus</i>	4	M 408D, <i>Sequences, Series, and Multivariable Calc.</i> . . .	4
UGS 302/303, <i>Undergraduate Studies Course</i>	3	PHY 303K, <i>Engineering Physics I</i>	3
RHE 306, <i>Rhetoric and Composition</i>	3	PHY 105M, <i>Laboratory for Physics 303K</i>	1
TOTAL	16	US History Elective	3
		TOTAL	17

SECOND YEAR

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
PHY 303L, <i>Engineering Physics II</i>	3	E M 319, <i>Mechanics of Solids</i>	3
PHY 105N, <i>Laboratory for Physics II</i>	1	GEO 316P, <i>Sedimentary Rocks</i>	3
E M 306, <i>Statics</i>	3	PGE 333T, <i>Engineering Communications</i>	3
M 427J, <i>Advanced Calculus for Applications I</i>	4	PGE 427, <i>Properties of Petroleum Fluids</i>	4
PGE 310, <i>Formation and Solution of Geosystems Engineering Problems</i>	3	Visual and Performing Arts Elective	3
PGE 326, <i>Thermodynamics and Phase Behavior</i>	3	TOTAL	16
TOTAL	17		

THIRD YEAR

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
PGE 323K, <i>Reservoir Engineering I - Primary Recovery</i>	3	PGE 323L, <i>Reservoir Engineering II Secondary and Tertiary Recovery</i>	3
PGE 430, <i>Drilling and Well Completion</i>	4	PGE 362, <i>Production Technology and Design</i>	3
PGE 424, <i>Petrophysics</i>	4	PGE 358, <i>Principles of Formation Evaluation</i>	3
PGE 322K, <i>Transport Phenomena</i>	3	PGE 337, <i>Introduction to Geostatistics</i>	3
Social Science Elective	3	GOV 310L	3
TOTAL	17	TOTAL	15

FOURTH YEAR

<u>Fall Semester</u>	<u>Semester Hours</u>	<u>Spring Semester</u>	<u>Semester Hours</u>
PHY 334, <i>Reservoir Geomechanics</i>	3	PGE 373L, <i>Geosystems Engineering Design and Analysis</i>	3
PGE 365, <i>Resource Economics and Valuation</i>	3	Approved Technical Area Elective	3
Approved Technical Area Elective	3	Approved Technical Area Elective	3
Approved Technical Area Elective	3	GOV 312L	3
E 316L,M,N or P	3	US History Elective	3
TOTAL	15	TOTAL	15