

Petroleum Geosciences Engineering

Industrial Orientation (optional)

First Year

Fall Semester

Code	Course Name	Credit Hours	Hours a week	
			Lecture	Lab
CHEM131	General Chemistry I	4	5	3
ENGL101	Communication Skills I	4	5	0
ENGR103	Freshman Seminar	1	2	0
MATH111	Calculus I	4	5	0
PEEG151	Overview of the Petroleum Industry	3	3	0
HFIT101	Physical Ed I	0.5	2	0
	TOTAL	16.5	22	3

Spring Semester

Code	Course	Credit Hours	Hours a week	
			Lecture	Lab
CHEM181	General Chemistry II	4	5	3
ENGL151	Communication Skills II	4	5	0
MATH161	Calculus II	4	5	0
PHYS191	Physics I	4	5	3
HFIT102	Physical Edu II	0.5	2	0
	TOTAL	16.5	22	6

Second Year

Fall Semester

Code	Course Name	Credit Hours	Hours a week	
			Lecture	Lab
CHEG222	Intro. to Eng. Thermo.	3	3	0
MATH212	Calculus III	3	4	0
PGEG221	Intro to Geology and Geophysics	3	3	3
PHYS241	Physics II	4	5	3
STPS201	Engineering Practices I	3	2	3
	TOTAL	16	17	9

Spring Semester

Code	Course	Credit Hours	Hours a week	
			Lecture	Lab
PEEG213	Res. Fluid Properties	3	2	3
PEEG353	Petroleum Proj. Econ.	3	3	2
PGEG210	Earth Materials	3	3	3
PGEG220	Geology of Middle East	3	3	3
STPS251	Engineering Practices II	3	3	0
	TOTAL	15	14	11

Third Year

Fall Semester

Code	Course Name	Credit Hours	Hours a week	
			Lecture	Lab
H&SS	H&SS elective	3	3	0
PGEG311	Sedimentary Petrology	4	3	3
PGEG321	Structural Interpretation	4	3	3
PGEG331	Ign + Metamorph Petr.	2	1	3
PGEG341	Paleontology	3	2	3
	TOTAL	16	12	12

Spring Semester

Code	Course	Credit Hours	Hours a week	
			Lecture	Lab
H&SS111	Islamic Studies	3	3	0
PGEG351	Petroleum Geophysics	4	3	3
PGEG361	Sed. & Stratigraphy	3	2	3
PGEG371	Data Analysis & Geostat	4	3	3
PGEG381	Rock Mech. & Res.	3	2	3
	TOTAL	17	13	12

Summer Semester

PGEG391	Field Petroleum Geology	4	TBA	TBA
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Fourth Year

Fall Semester

Code	Course Name	Credit Hours	Hours a week	
			Lecture	Lab
PGEG401	Petrophysics & Logging	4	3	3
PGEG411	Reflection Seismology	4	3	3
H&SS	H&SS elective	3	3	0
PGEG421	PGEG Computing Proj.	4	2	6
	TOTAL	15	11	12

Spring Semester

Code	Course	Credit Hours	Hours a week	
			Lecture	Lab
PGEG451	Environmental Geology	3	3	0
PGEG461	Reservoir Character Proj	4	2	6
PGEG471	Petroleum Systems Proj.	3	3	0
TBA	Technical Elective	3	2	3
TBA	Elective	3	3	0
	TOTAL	16	16	9

PGEG431 Geochemistry, PEEG331 Reservoir Engineering I, PGEG412 Seismic Reflection Interpretation, and MATH261 Differential Equations are recommended as technical electives. Technical elective must be approved by Advisor.

Total Credit Hours:	132
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