

# Petroleum Engineering

Degree Audit

2021-2022

Requirements	Hours	Hours Complete and Grade	Hours in Progress	Hours Needed
CHEM 131, 133 General Chemistry I & Lab	3, 1			
CHEM 132, 134 General Chemistry II & Lab	3, 1			
CSCI 210: Scientific Computing	3			
EGRG 311: Engineering Statics	3			
EGRG 312: Strength of Materials	3			
EGRG 321: Fluid Mechanics	3			
EGRG 325: Engineering Economics	3			
EGRG 351: Thermodynamics	3			
GEOL 111: Physical Geology	4			
GEOL 112: Historical Geology	4			
GEOL 326: Petroleum Geology	3			
MATH 125: Calculus I	4			
MATH 224: Calculus II	4			
MATH 235: Advanced Engineering Math	3			
MATH 257: Engineering Statistics	3			
MATH 302: Differential Equations	3			
PETR 216: Petrophysics	3			
PETR 217: Core Analysis Lab	1			
PETR 302: Drilling Lab	1			
PETR 317: Phase Behavior	3			
PETR 318: Reservoir Engineering	3			
PETR 342: Production Systems Engineering I	3			
PETR 343: Formation Evaluation	3			
PETR 405: Enhanced Recovery	3			
PETR 406: Natural Gas Engineering	3			
PETR 421: Well Testing	3			
PETR 423: Production Systems Engineering II	3			
PHYS 221: General Physics I	4			
PHYS 222: General Physics II	4			
WRIT 307: Technical Writing	3			

**Choose One** Technical Elective from: ENGY 301, ENGY 331, ENVE 303; ENVE 305

	3-4			
--	-----	--	--	--

**Junior Core**

PETR 341: Drilling Engineering	3			
LEAD 301: Ethical Leadership      OR				
LEAD 305: Business Ethics      OR	3			
MNGT 320: Negotiations & Ethics      OR				

**Capstone**

PETR 430: Senior Capstone Seminar	3			
-----------------------------------	---	--	--	--

Student Signature and Date	Advisor Signature and Date