

Petroleum Engineering

Degree Audit

2024-2025

Requirements	Hours	Hours Complete and Grade	Hours in Progress	Hours Needed
CHEM 131: General Chemistry I	3			
CHEM 133: General Chemistry I Lab	1			
CHEM 132: General Chemistry II	3			
CHEM 134: General Chemistry II Lab	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 341: Drilling Engineering	3			
PETR 342: Production Systems Engineering I	3			
PETR 343: Formation Evaluation	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 TWO technical electives from: ENGY 301, 331; ENVE 303, 305*; LEMG 425; PETR 405

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Capstone

PETR 430: Senior Capstone Seminar	3			
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*ENVE 305 renumbered as EGRG/MNGT 305 effective Fall 2025

Each major must include at least 18 hours of 300-400 level credit that are not applied toward any additional majors.

Last Updated: 10/24/25