

Petroleum Engineering Minor

Why add a PE Minor?

Petroleum Engineering is a complex field that ties into many other disciplines. You can get your hands dirty drilling, work extensively on computers doing simulations or data analytics, or delve into why and how rocks, gases and fluids react to various stimuli.

General Minor Requirements

All students must take PEGN 308 and take an additional 15 credits following either focus.



Operations Focus

Learn about drilling, pipelines, pumps and the software used to better understand and work reservoirs.



This track is recommended for Mechanical, Electrical, Civil Engineering majors, and others interested in operations.

- PEGN 312 Properties of PE Fluids (3)
- PEGN 311 Drilling Engineering (4)
- PEGN 361 Completion Engineering (3)
- PEGN 411 Mechanics of Petroleum Production (3)
- PEGN 419 Well Log Analysis & Formation Evaluation (3)
- PEGN 426 Formation Damage and Stimulation (3)

Reservoir Focus

Learn how gas and liquids react to various stimuli, and how to utilize those reactions, as well as the software and simulations that help you visualize and track the factors involved.

This track is recommended for Chemical, Geophysics, Geology majors and others interested in reservoirs:

- PEGN 312 Properties of PE Fluids (3)
- PEGN 419 Well Log Analysis & Formation Evaluation (3)
- PEGN 423 Petroleum Reservoir Engineering I (3)
- PEGN 424 Petroleum Reservoir Engineering II (3)
- PEGN 414 Well Testing and Analysis (3)
- PEGN 439 Multidisciplinary Petroleum Design (3)
- Recc for GE and GP majors only



Contact Terri Snyder at tsnyder@mines.edu or 303-273-3827 for more information and full course requirements.



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