List of Required Prerequisites - Petroleum Engineering Degree

PTRE 201: Introduction to Petroleum Engineering
GEOE 203 or GEOL 101 or GeoE 210; all the prerequisites must be completed with a "C" or higher.

PTRE 301: Reservoir Rock Properties
PTRE 201, Chem 121, and PHYS 251. All the pre-requisites must be completed with a "C" or higher.

PTRE 311: Petroleum Fluid Properties
CHEM 121 and PTR E 301; all the prerequisites must be completed with a "C" or higher.
Co-requisite: ME 341.

PTRE 361: Petroleum Engineering Lab I
PTR E 301; all the prerequisites must be completed with a "C" or higher.
Co-requisite: On-campus students must take PTRE 311.

PTRE 401: Well Logging
PTR E 301; all the prerequisites must be completed with a "C" or higher.

PTRE 405: Petroleum Economy and Law
PTR E 445 and PTR E 451.
Co-requisite: PTR E 421.

PTRE 411: Drilling Engineering
Engr 203, PTR E 311, ME 306; all the prerequisites must be completed with a "C" or higher.

PTRE 421: Production Engineering
PTRE 411, PTR E 431; all the prerequisites must be completed with a "C" or higher.

PTRE 431: Reservoir Engineering
PTR E 311, ME 306; all the prerequisites must be completed with a "C" or higher.

PTRE 441: Petroleum Evaluation & Management
PTR E 311, PTR E 431, PTR E 411, and PTR E 421.

PTRE 445: Advanced Reservoir Engineering
PTR E 431 with a grade of "C" or higher.

PTRE 451: Advanced Drilling Engineering
PTR E 411; all the pre-requisites must be completed with a "C" or higher.

PTRE 461: Natural Gas Engineering
GEOE 301, ME 306, ME 341, and PTR E 311.

PTRE 462: Petroleum Engineering Laboratory II
PTR E 421, PTR E 465; all the prerequisites must be completed with a "C" or higher.

PTRE 471: Numerical Reservoir Simulation
PTR E 445 and MATH 266; all the pre-requisites must be completed with a "C" or higher.

PTRE 484: Senior Design
PTR E 471.

PTRE 485: Research Design
PTR E 451, PTR E 445.

PTRE 493: Selected Topics in Petroleum Engineering
Consent of the instructor.