The Mines petroleum reservoir systems graduate program is a multi-disciplinary, non-thesis master’s degree for students interested in working as geoscience professionals in the petroleum industry. The departments of geophysics, petroleum engineering and geology and geological engineering share oversight for the professional master’s in petroleum reservoir systems program through a committee consisting of one faculty member from each department. Students gain admission to the program by application to any of the three sponsoring departments. Students are administered by that department into which they first matriculate.

PROGRAM STRUCTURE

Professional Master's in Petroleum Reservoir Systems (non-thesis):
30 semester hours, comprised of up to 9 semester hours at the 400 level and all other credits toward the degree at the 500 level or above.
CORE COURSES

One course (3 credit hours) selected from the following:

- GPGN/PEGN419 Introduction to Formation Evaluation and Well Logging
- GPGN519/PEGN504 Advanced Formulation Evaluation

Two courses (6 semester hours) selected from the following:

- GEGN/GPGN/PEGN503 Integrated Exploration and Development
- GEGN/GPGN/PEGN504 Integrated Exploration and Development
- GEOL609 Advanced Petroleum Geology

An additional three courses (9 credit hours) must consist of one course each from the three participating departments.

The remaining four courses (12 credit hours) may consist of graduate courses from any of the three participating departments or other courses approved by the committee. Up to 6 credit hours may consist of independent study, including an industry project.

APPLICATION INFORMATION

- GRE scores sent by ETS (average applicant GRE score is 162 quantitative, 153 verbal and 4.0 analytical)
- For international applicants or applicants whose native language is not English, a TOEFL score of 79 or higher (or 550 for the paper-based test, 213 for the computer-based test) is required. In lieu of a TOEFL score, an IELTS score of 6.5 or higher will be accepted.
- Statement of purpose, updated curriculum vitae or resume, a minimum of three letters of recommendation and transcripts for all post-secondary degrees

ACCEPTING APPLICATIONS

TO LEARN MORE, VISIT:
gradprograms.mines.edu/pe-re or contact prs@mines.edu