

Department of Chemical and Biomolecular Engineering

Minor in Petroleum Engineering

The increasing global demand for hydrocarbon fuels has created many new job opportunities in the oil and gas industry. In response to the severe shortage of technical manpower in these areas, many companies are recruiting other engineering graduates and then provide them Petroleum Engineering training in-house.

The addition of a Petroleum Engineering minor to the Chemical Engineering Program provides the following benefits to the students, the University of Houston, the industry, and the general public.

1. It increases the student employment options, as well as their income.
2. It increases the pool of engineering graduates available to meet a critical industry need.
3. By broadening the education base of graduates, it offers unique technical synergies to the oil and gas industry.
4. It increases the pool of undergraduate engineering students, by providing them Petroleum Engineering education, which is not presently offered at the University of Houston.
5. It meets a critical technical need of the US economy from inside the country.

The course requirements for the Petroleum Engineering minor are:

PETR 5361	Introduction to Petroleum Engineering
PETR 5362	Reservoir Engineering I
PETR 5364	Origin/Development of Oil and Gas Reservoirs
PETR 5328	Petroleum Properties and Phase Equilibria
PETR 5304	Evaluation of Petroleum Bearing Formations

Students choosing to minor in Petroleum Engineering must complete the above five courses. Specifically for Chemical Engineering students, these courses will substitute for the two Chemical Engineering technical electives, CHEE 4366 Biochemical Engineering, and CHEE 4322 Design II. Such substitutions will result in 3 extra hours added to the degree plan of Chemical Engineering students choosing the Petroleum Engineering minor.