



## **Chemical and Petroleum Engineering**

### **Petroleum Engineering Minor**

Students pursuing a BSc in Mechanical Engineering or Chemical Engineering can broaden their skills by taking a minor in petroleum engineering.

Energy is the largest global industry at \$3 trillion annually, and petroleum supplies 60 percent of global energy needs. The minor in petroleum engineering requires technical electives in geology and reservoir engineering, which will provide graduates with the basic skills sought by oil and gas companies for the development and production of petroleum.

The Department of Chemical and Petroleum Engineering recognizes the desirability of graduates with a chemical engineering background augmented by technical electives in Petroleum Reservoir Engineering and Petroleum Production Engineering. The demand by industry for graduates with greater specialization in oil and gas related topics lead to the introduction of a minor in petroleum engineering.

Students enrolled in the petroleum engineering minor will receive a chemical engineering degree, but Geology and Petroleum Reservoir Engineering are required courses as opposed to technical electives for regular chemical engineering students. Modified unit operations and design courses have been introduced that have direct application in oil and gas related industries. New technical elective courses such as Well Logging and Formation Evaluation, Introduction to Well Testing, and Oil and Gas Field Safety and Environment have been introduced to provide a broader selection of specific technology courses to students.

The department has limited the enrolment in the petroleum minor to 16 students to ensure that it provides them with experienced supervision for their fourth year design projects.