

PETROLEUM GEOSCIENCE - CERTIFICATE

The Graduate Certificate in Petroleum Geoscience is an interdisciplinary program in the Department of Geology and Geophysics designed to enhance both critical thinking and the technical skills that serve as the scientific foundation for practicing petroleum geoscience. The program requires a minimum of 18 semester credit hours from Geology and Geophysics and optionally Petroleum Engineering as part of a regular graduate program.

In addition, workshops, lectures and field trips enable students to learn about pressing scientific problems in petroleum exploration and production. Students are required to take a core of courses including reflection seismology and seismic interpretation, sequence stratigraphy and basin analysis, 3-D structure and rock properties. One seminar per year is required. In addition, students must choose at least one course from an approved list of supporting courses in both the Department of Geology and Geophysics and Petroleum Engineering. The Certificate is conferred upon successful completion of an MS or PhD degree program in Geology or Geophysics including the required courses. For detailed information please contact the graduate advisor for the Department of Geology and Geophysics.

Program Requirements

Code	Title	Semester Credit Hours
GEOP 622 or GEOP 629	Petroleum Seismology II or Seismic Interpretation	4
GEOL 622	Stratigraphy	3
GEOL 612	Structural Geology	3
Select one of the following:		3-4
GEOL 624	Carbonate Reservoirs	
GEOL 665	Structural Petrology	
GEOL 668	Clastic Sedimentology and Sedimentary Petrology	
GEOL 681 or GEOP 68	Seminar or Seminar	1
One additional course related to Petroleum Geoscience from the list Supplemental Petroleum Geoscience Courses		3-4
Total Semester Credit Hours		18