

Licentiate in Geology – 6 years

High School and University/ College Teacher of Geology – 5 years

Objectives

To train students in the integral study of our planet, as regards both its present and past formation. The course is concerned with factors ranging from the analysis of the external processes involved in the shaping of its landscape, to the internal phenomena that can produce important changes (seismic activity, etc.). It offers a wide range of specialties, many of them with direct economic application to activities such as: mining; exploration and exploitation of oil and fossils; planning and development of different civil works; preservation and development of the environment; the searching of alternative energy sources (wind, geothermic, solar, etc); the control the exploitation of renewable resources, etc.

Contents

Geologists are concerned with the study of the earth's crust both in its historic evolution (rocks and fossils) and in its present situation in mining activities (oilfields, search of superficial and underground water) and engineering (civil buildings, means of communication, building of dams). In order to obtain the necessary skills for these activities, the syllabus of Geology is based in subjects of general training – shared with other courses of studies- , compulsory subjects more directly concerned with geology and a cycle of optional subjects aimed at catering for students' specific needs and interests.

To obtain the teaching Degree, students must pass 21 compulsory subjects form the licentiate degree and 7 of pedagogic training.

Job Opportunities

Geologists can work in national and provincial organisms; in oil and mining private companies; and in big public building companies. Teaching and research in the university area are other activities that graduates can develop. They can also work on scientific and technological research in areas such as palaeontology, geophysics, geomorphology, etc.