

The M.Sc. in Petroleum Engineering of the University of Cyprus

The ongoing growth of the energy demand enables the industry of Hydrocarbons to expand continuously despite the economic climate. This challenging program, that combines subjects from geosciences and petroleum engineering, will educate and train students with the relevant knowledge and skills to be able to meet the increasing demand for highly educated candidates in the Oil and Gas Industry.

The University of Cyprus, through its leading M.Sc. in Petroleum Engineering program, offers the opportunity to successful candidates to further their studies in the hydrocarbon field, with a view to claiming a place in the Oil and Gas industry.

The program was established in 2013, is academically administrated by the Hydrocarbon Committee and the actual degree is awarded by the Engineering School of the University of Cyprus. The program admits candidates with a reputable background in Engineering and Sciences. The M.Sc. in Petroleum Engineering is designed to equip its graduates with the essential technical foundations/ knowledge for pursuing opportunities in the Oil and Gas Industry. M.Sc. Petroleum Engineering graduates will be suitable candidates for employment mainly within the up-stream sector of the Oil and Gas industry. The program admits up to 25 students every September. A full time student will be able to complete the relevant coursework and the final project in 12 months. The course is also currently offered to part-time students, with duration of 2 years.

The program comprises of core courses which are subject to changes in line with technological advancements, industry trends/ demands, as well as the requirements of regulatory and administrative bodies. Emphasis is given in every course to include instructors who are experts in their field, with long track-record/experience in the Oil & Gas industry. In addition, students benefit from a rich learning environment, inspired by motivated professionals working in the sector with extensive, diverse and practical experiences and knowledge.

Program Objectives

The main objective of the M.Sc. in Petroleum Engineering program is to respond to the needs of the growing local and international Hydrocarbon Industry by developing workforce with suitable candidates for recruitment by the local authorities, national subsidiaries and international operating companies in the upstream Oil and Gas industry.

The program will address in particular the growing needs of deep-water exploration and development that have raised the complexity of technical challenges in geosciences and petroleum engineering and have increased the level of difficulty of hydrocarbon

exploitation. Knowing that the development of competencies and key capabilities in Petroleum Engineering remains the biggest hurdle in workforce management in the Oil and Gas industry, this program provides the necessary knowledge base in the relevant subjects.

Program Structure

The program mainly focuses on the needs of the up-stream Oil and Gas industry and it will cover the following major areas of Geosciences and Petroleum Engineering:

1. Petroleum Geology, Applied Geophysics and Formation Evaluation
2. Drilling and Completion Engineering
3. Reservoir Characterization, Simulation and Production Management
4. Subsea Completions, Hydrocarbon transportation and Surface facilities

List of Courses

Introduction to Petroleum Engineering

Hydrocarbon Law & Economics

Health, Safety & Environmental assessment and control in petroleum operations

Petroleum Geology

Applied Geophysics

Formation Evaluation

Drilling operations

Petroleum Geomechanics

Well and subsea completions and production facilities

Reservoir Engineering

Natural Gas Production Engineering

Field Development Plan (FDP project)

For more information

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