

MSc in

UNIVERSITY OF MISKOLC
Faculty of Earth and Environmental Sciences and Engineering

PETROLEUM GEOENGINEERING

PROGRAM



UNIVERSITY OF MISKOLC

FACULTY OF
EARTH AND ENVIRONMENTAL
SCIENCES AND ENGINEERING

The University of Miskolc (Hungary) is one of the few higher education institutes in Central Europe where engineering training related to geology, geophysics, hydrology, environment, mining and hydrocarbon industries takes place.

The Faculty has a nearly 280-year old tradition in mining education, being a legal successor of the Mining School founded in 1735 in Selmecbánya (now Banská Štiavnica).

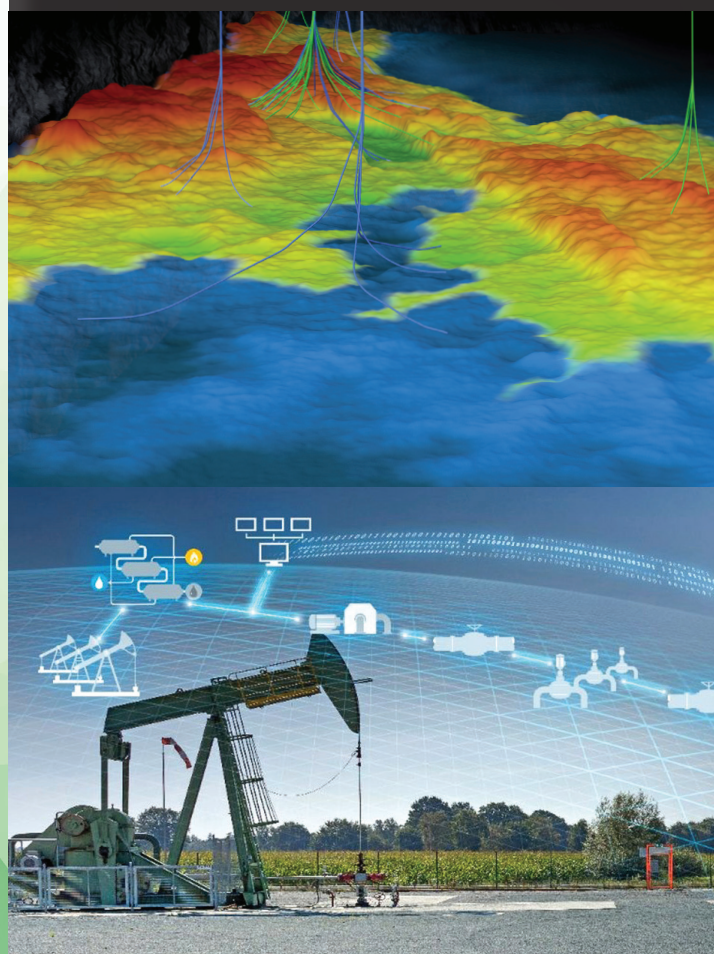
The Petroleum Geoscience Engineering Masters program builds up on strong earth sciences and petroleum engineering basis. It focuses on competencies, skills and methods applied in geology, geophysics, petrophysics and geochemistry as demanded by exploration, field development and production projects. Special attention is paid to the grey area between geology and petroleum engineering including but not limited to estimation, categorization and classification of resources and reserves as well as management of petroleum E&P projects.

Crude oil and natural gas remain the most important, hardly replaceable energy resource for our century. On the other hand new frontier oil and gas provinces will require large number of well trained professionals. Thus the demand for earth science engineers playing key roles in exploration development and production of the hydrocarbon fields will not decline at all for a long time to come.

PG Engineers should have strong and integrated background in earth science (geology, geophysics, geoinformatics, hydrogeology) disciplines and also basic skills in petroleum engineering segment of development, production, of hydrocarbons. In this sense petroleum geoscience engineers have an overview of the whole upstream part of the petroleum industry. All of the courses of the curricula will be given English language. As the petroleum industry is a heavily globalized it gives a competitive edge if the graduates learn and practice the subjects in English.

Miskolc is a well-known centre of education for extractive industries and lies in the heart of traditional mining regions, also close to several gas- and oil-fields. It has a central position for all neighbouring countries in the north eastern segment of the Carpathians, i.e. Poland, Slovakia, Ukraine, Romania. This gives her unique opportunity to provide ample choice of field practices, partly in the nearby occurrences, partly at the cooperating industrial and institutional partners both in Hungary and in other countries.

- **Program title:** MSc in Petroleum Geoscience Engineering
- **Degree awarded:** Petroleum Geoscience Engineer (Msc)
- **Number of semesters:** 4;
required number of credits to be completed: 120
- **Tuition fee (non-EU citizens):** 3500 € per semester
(reduced fee may be applied depending on academic achievement from the third semester)
- **Application deadline:** 1st of June each year
(please check at mfk.uni-miskolc.hu)
- **Scholarship offers:**
Stipendium Hungaricum (<http://www.tka.hu/international-programmes/2966/stipendium-hungaricum/>)
Visegrad Scholarship Program (<http://visegradfund.org/scholarships/visegrad-scholarship-program/>)





UNIVERSITY OF MISKOLC Faculty of Earth and Environmental Sciences and Engineering

About the University of Miskolc

The university in the heart of the North-eastern industrial zone of Hungary has a nearly 280-yearold history. The legal predecessor of the current Faculty of Earth and Environmental Sciences and Engineering as well as Faculty of Materials and Metallurgical Engineering was the first HEI in the field of technology in the world, operated in Selmecbánya until 1919, then in Sopron until 1949. In 1949 the two faculties moved to Miskolc and were complemented by the newly established Faculty of Mechanical Engineering. Since that time new faculties have emerged (Law, Economics, Arts, Music, Health Care), making the university a real universitas which embraces a wide-range of sciences and specializations. The Faculty of Earth and Environmental Sciences and Engineering is the leading institution in education of earth and environmental sciences, mining, hydrocarbon industry and technological processing. Over 10,000 students and appr. 2,000 lecturers and staff live and work together at the University of Miskolc on a self-contained campus. The university also builds strong intellectual and cultural links with the city of Miskolc in order to play a crucial role in the blood circulation of the town and the region and to form an integral part of the social and economic framework of the city, the region and the country. The university has been an active participant, either as coordinator or partner, in European educational and research projects.

Campus

Settled in a modern campus environment the University of Miskolc offers a friendly atmosphere for studies. The 99 acres park makes the university the largest campus in the country. The Uni Hotel gives quality accommodation services, where the double room apartments are equipped with a kitchenette, an en suite bathroom with shower, toilet, refrigerator, telephone and internet access. On the Uni Hotel's ground floor you can find a supermarket, a stationery, an IT shop, solarium, sauna, infra sauna, massage, gym, hairdresser, snack-bar. The campus offers outdoor tennis, basket ball, football and running courts for students. The Miskolc University Campus is close to Miskolc-Tapolca, a famous resort area of Miskolc near the foots of the Bükk Mts. In the city architectural monuments, museums, shops are easy to reach from the campus by public transport.

Visa

For EU, USA and Canadian citizens a valid passport is sufficient to enter Hungary. As Hungary is a part of the Schengen treaty, for citizens from other, non-EU countries a Schengen visa is necessary to enter. Students should be registered at the Office of Immigration and Nationality.

ADMISSION REQUIREMENTS

- **Qualification:**
BSc in earth science or earth science engineering or Petroleum Engineering degree, CGPA 60% or higher
- **Language proficiency:**
C1 (advanced) level is preferred, but minimum B2 on the CEFR scale or IELTS (academic version) 6.0 minimum score or identical language exam.
BSc degree holders, if the language of instruction was English are exempt from language test requirement.

FURTHER INFORMATION

University of Miskolc, Faculty of Earth and Environmental Sciences and Engineering – Exploration Geosciences

+36 46 565-062

mfk@uni-miskolc.hu

<http://mfk.uni-miskolc.hu/wp/en/>