The new study program
"Economic Geology"
(taught in English)
Economic geology – educational and scientific discipline concerned with the distribution of mineral deposits, the economic considerations involved in their recovery, and an assessment of the reserves available.

Employment Opportunities:

• State and private exploration enterprises
• Mining companies (geological survey)
• Petroleum companies
• Evaluation of decorative and gemstones
• Geoinformation companies
• Scientific geological institutions

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International and domestic demand for our specialists

About 20,000 mineral deposits are located in Ukraine, 2,868 deposits are involved in industrial exploitation, and on the basis more than two thousand mining and processing enterprises operate. According to current subsoil legislation these enterprises are required to audit and reassess reserves and mineral resources every 5 years.

At the same time Ukraine harmonizes domestic standards for mineral resources assessment with international, making it easier to attract foreign investment in the mining industry. Together, this creates a significant demand for specialists in the assessment of mineral deposits and resource management. Specialists have skills in modern international standards of assessment, knowledge in a specific field (ore geology, petroleum geology, hydrogeology, etc.), practical skills in geostatistics, geoinformation systems, computer simulation of mineral deposits and reserves and resource estimation.

Acquired competences can be useful both for employment in Ukraine and in other countries of the World.
Basic information about the study program "Economic Geology":

Main goal of the study program is to prepare a highly qualified, competitive, integrated in the European and international scientific and educational space specialist in economic geology.

14 specialists with a degree in geological sciences are involved in the program.

Educational and Scientific Institute «Institute of Geology» provides an opportunity not only to study, but also to take a part in scientific research in the following structural units:

- 7 academic departments that have specialization of most of geological sciences and related Earth sciences;
- 6 training laboratories;
- 3 research units;
- 2 laboratory complexes;
- geological museum.
Additional opportunities available to students:
• annually 1-2 international scientific conference;
• support international scientific professional associations (Society of Economic Geologists, American Association of Petroleum Geologists, European Association Geoscientists & Engineers, Society of Exploration Geophysicists and others);
• working with software of the world leading professional companies;
• academic Mobility with European Universities (Erasmus + and others);
• communication with specialists of institutes of the National Academy of Sciences of Ukraine;
• Campus with over 20,000 students of various specialties, creating opportunities for friends searching and related interests;
• Kyiv is a significant European cultural center with a large number of museums, theaters and galleries, and significant cultural and sporting events.
Skills of economic geologists:

Geological and mining modeling of minerals deposits
• statistical and probabilistic models for reserves evaluation;
• geological and genetic models;

Geological and economic evaluation of mineral resources and reserves:
• mineral resource and reserves assessment;
• selection and justification cut-off parameters;
• feasibility study, preliminary feasibility study and scoping study;
• Value assessment of minerals deposits
Gained knowledge and skills allow to assess mineral deposits in accordance with national and international classification systems:

- Classification of mineral reserves and resources of the State Fund of Subsoil;
- United Nations Framework Classification for Fossil Energy and Mineral Reserves and Resources;
- Committee for Mineral Reserves International Reporting Standards (CRIRSCO) Template;
- Society of Petroleum Evaluation Engineers (SPEE) - Petroleum Resource Management System (PRMS)

Graduates of the Institute of Geology, after successful completion, receive an international standard diploma and can continue their studies under the program of the Doctor of Philosophy.
Conditions for assignment of professional qualifications:
1. Enrollment of more than 30 credits from disciplines of student free choice on a specialty "Economic geology".
2. The average mark of study results (appendix to the diploma) is not less than 70 points (on 100th scale).
3. Mark of final certification for an educational program (examination) not less than 75 points (on a 100th scale).
4. Mark for defense of the master's thesis is not less than 70 points (on 100th scale).