

Geology, exploration and exploitation of minerals

Peoples' Friendship University of Russia

Degree or qualification is awarded:

Postgraduate Course

Language of study: **Russian**

Mode of study: **full-time, distance learning**

Duration: **3 years**

Availability of free education: **no**

Price: **319 200 RUB per year for CIS students, 4 200 US \$ per year for Int. students**

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Programme Focus

- Mine Development and Development geology, geophysics, Surveying
- Development and exploitation of Oil field
- Geotechnology (sub-surface , Shafts and Construction)
- Geological and facilities development of mineral resources; geo-technology development of mineral resources, equipment and technical systems.
- Methods, equipment and technology to ensure safe and environmentally friendly development of reserves of mineral deposits.
- Methods and system design geo-technologies exploration and development of mineral resources.
- Software for studying the geological structure of the subsoil , modeling the processes of search , exploration , extraction and processing (enrichment) , transportation and storage of mineral resources , construction equipment and engineering systems , processing and analysis of the research results.

Students receive professional training in such companies as:

RGGRU – MGRI,PAO « Tatneft»,IPKOM RAN,MOSINZHPROEKT

Emal CPG,OAD « Novatek »,OAD « Gazprom »,NGDU " LeninogorskNeft ",Atirau State University named after Dosmuhamedov H.

Programme advantages

The educational programme helps the students to develop the following professional abilities:

- To carry out a comprehensive justification of the choice of the technology and mechanization of deposits is for mineral resources;
- Apply the quality management of products for mining enterprises to solve specific professional problems ;
- Solve problems arising in the course of research and teaching activities and demanding of in-depth professional knowledge in the field of mining and field development geology , geophysics , mine surveying and subsurface geometry ; develop technological schemes of mining operations related to mining and transportation ; to explore and optimize the parameters used in the oil fields of technology; evaluate the effectiveness of the investments made into production

Graduates' expertise and career opportunities:

- Research activities in the field of research geo-resource of potential mineral deposits, study areas of its safe and effective industrial implementation, equipment design and creation of technologies for the geological study, prospecting (or identify), exploration, extraction and processing (enrichment), transportation and storage of minerals, civil engineering (surface and underground) structures, the development of complex subsurface and environmental protection measures;
- Teaching activities on educational programs of higher education.

Specializations within this programme