

## **21.05.04 MINING**

We train specialists who will study, research and develop deposits and rocks. Depending on the profile, graduates will be able to work in open-pit mining, mining equipment or underground and mine construction and development of ore deposits. Students who choose this specialty study in depth the organization and technologies of mining production, the processes of implementation and development of technological complexes and modern mining equipment.

### **Where will they teach?**

Mining is one of the specialties implemented by the Vorkuta branch of USTU.

Duration of study: 6 years.

**The number of places under the agreement for the provision of paid educational services in correspondence courses is 20.**

### **What will they teach?**

- study and search for new deposits, natural resources and fields;
- design and preparation of field development systems;
- study of the structure, chemical and physical properties, and movements of the earth's crust;
- design of underground structures and their construction;
- opening and preparation of chessboard fields, selection of opening schemes and optimization of mining and technical parameters.

### **What job?**

The professional activity of young specialists with a diploma in "Mining" is connected with the choice of means and methods of extracting minerals, with the process of their direct extraction and primary processing. Graduates of the specialty will be able to find employment as drilling engineers, quarry section managers, mining foremen, engineers of mining and processing plants and mining plants. Such qualified specialists are also expected to work in construction companies, research and design institutes, military organizations, gas and oil companies, and government agencies.

### **Future Professions**

- Mining engineer
- Mine surveyor
- Geologist
- Geophysicist
- Geochemist
- Hydrologist
- Mining exploration engineer