

6B07203 – Metallurgy and mineral processing

Uniqueness of the program:

The program combines in-depth training in the field of metallurgical processes and modern technologies of mineral processing, which provides graduates with comprehensive knowledge along the entire technological chain - from processing raw materials to obtaining finished metal. The focus is on sustainable development, energy efficiency and the introduction of digital solutions into production.

6B07212 – Recycling in metallurgy

The uniqueness of the program:

The program is aimed at training new generation specialists who are able to introduce and develop technologies for processing industrial and household waste in the metallurgical industry. The curriculum focuses on the concept of "green" metallurgy, sustainable production, closed-loop and resource conservation, which makes graduates particularly in demand in the context of the transition to a low-carbon economy.

6B07213 – Mineral processing

The uniqueness of the program:

The program focuses on modern technologies for processing mineral raw materials. Students receive practice-oriented knowledge with an emphasis on process automation, modeling, and the application of OT solutions in enrichment. The training of specialists is conducted taking into account global standards, which opens up wide employment opportunities abroad.

6B07218 – Foundry technology

The uniqueness of the program:

The program trains highly specialized specialists in the field of metal casting, focused on high-precision and innovative methods of foundry production. Attention is being paid to the introduction of 3D printing, digital mold design and the use of new generation alloys. This approach allows graduates to be leaders in the development of complex engineering solutions for mechanical engineering and other industries.

6B07219 – Metallurgy of non-ferrous metals

The uniqueness of the program:

The program covers all stages of obtaining non-ferrous metals from processing of raw materials to refining and alloying. Special attention is paid to the environmental aspects of production, the use of highly efficient and low-toxic reagents, as well as modern methods of product quality analysis. The training of specialists is conducted taking into account global trends in the expansion of the use of non-ferrous metals in electronics, energy and transport.