

Division: *Institute of Engineering and Technology*

Academic programme: *22.04.02 Modern Technologies in Ferrous Metallurgy and Foundry Production*

Mode of study: *part-time*

Programme length: *2.5 years*

Programme level: *Master's degree*

Language of instruction: *Russian*

Programme description: *Graduates of this programme are specialists for solving the technological tasks of production. The course disciplines also allow to form competences for other types of activity (organization and management, research, and design). Holders of this Master's degree are capable of quickly adapting to the production and technological conditions, develop advanced technological processes with consideration to the environmental requirements and cost efficiency, conduct applied research, as well as develop projects on the reconstruction of the functioning and construction of new metallurgic and foundry shops with the use of modern equipment and materials.*

Main programme-specific classes:

- *Resource-saving in the Processes of Forming and Special Casting Methods*
- *Resource- and Energy-saving in Ferrous Metallurgy*
- *Advanced Equipment in Technological Projects*
- *Using Digital Technologies for Resource- and Energy-saving in Ferrous Metallurgy*
- *Computer Technologies in Casting Processes*

Programme manager: *P.A. Gamov, Candidate of Sciences (Engineering), Head of the Department of Pyrometallurgical and Foundry Technologies*