



Basic Educational Program

"Inorganic chemistry"

is designed to train highly qualified specialists who know the current state of inorganic chemistry, its role in modern natural science and materials science, the fundamental foundations of methods for obtaining objects of research of inorganic chemistry and materials based on them, fundamental approaches to the design and synthesis of new inorganic compounds, methods for describing the chemical bond and structure of inorganic compounds, fundamental principles of modern experimental methods of substance research; able to interpret their own and published in the literature results in the field of inorganic chemistry on the basis of modern ideas about the chemical bond and reactivity of inorganic compounds, plan the experiment, choosing the most informative research methods to solve specific problems, apply modern software for processing experimental data and conducting theoretical calculations, use databases and Internet resources; own methods of synthesis of inorganic compounds with specified properties, modern instrumental methods for studying the composition, structure and properties of inorganic compounds, skills in conducting experiments and processing experimental data, methods of numerical modeling and theoretical prediction of the reactivity of inorganic compounds.