

## ANNOTATION

Discipline "Analytical chemistry and physico-chemical methods of analysis" refers to the absolute value of natural science and mathematics and sciences

Discipline Objectives:

- Preparation of graduates for engineering and design activities in the development and implementation of means to ensure the safety and protection of man from man-made and man-made impacts;

- Preparation of graduates for self-training and continuous professional self-improvement

As a result of the development of the discipline (module "Chemistry 1.6") student the following results to be achieved

- To know: basic concepts and laws of chemistry, reactivity of substances; properties of the main classes of chemicals; the theoretical foundations of methods of chemical analysis;

- Apply chemical laws for calculating chemical processes, and determine the thermodynamic equilibrium characteristics of chemical reactions. To be able to predict the occurrence of possible chemical reactions and their kinetics;

- Identify changes in the concentration of solutions at chemical reactions; to be able to isolate and purify the substance;

- Apply methods of experimental research in chemistry for determination of properties of substances and their composition.