About the program

The current level of industrial development requires deep knowledge in the sphere of assisted design of control systems for technological processes and equipment, the ability to develop up-to-date software and hardware facilities using CAD tools.

The goal of this Master’s degree program is to provide post-graduate students with knowledge for determining the optimal level and scope of automation of a technological facility when developing a new control system or upgrading an existing control system for technological processes and equipment.

Learning Outcome

- Deep knowledge and skills in working with CAD, logical and programmed control, optimal and intelligent control, modeling and forecasting.

- Ability to use the means of data, metrological, diagnostic and management support of technological systems for the design of control systems for technological processes and equipment.

Career opportunities

Graduates are in demand and work successfully in various enterprises of energy, petrochemical, machine-building, food, processing industries, in research and design institutes.

High professional training allows graduates to successfully struggle in a competitive work market as well as to participate in research projects and to implement the work on the creation and modernization of automated control systems for industrial facilities.

There is an opportunity to continue education and gain fundamental knowledge in doctoral degree course.