09.05.01 Automated systems application and operation for special purposes "Automated systems for information processing and control of special purposes"

The purpose of the program is to train highly qualified specialists in the field of design, creation, application and operation of automated information processing and control systems that meet modern requirements for ensuring the security and protection of information.

High attention in the program is paid to the study of the theory and practice of development and management of projects to create systems. The curriculum includes both fundamental disciplines of the physical and mathematical cycle, as well as blocks of special disciplines in programming, operating systems, network technologies, database management systems, circuit engineering disciplines, information security, design and operation of automated systems.

Unique disciplines:

- Design and operation of special purpose systems
- Automated systems for special purposes
- Risk management in complex systems
- Systems Integration Technologies and Standards
- Application of information technologies in the creation of specialized systems
- Technologies for creating circuit designs
- Fundamentals of the theory and application of digital data processing
- Fundamentals of information theory and coding
- Cross-platform applications
- Technologies for analytical data processing

Professional opportunities:

- MCST
- Hewlett-Packard
- NVidia
- Xilinx