Division: *School of Electronic Engineering and Computer Science*

Academic programme: *09.04.01 Informatics and Computer Engineering, Information and Control Systems*

Mode of study: *part-time*

Programme length: *2.5 years*

Programme level: *Master's degree*

Language of instruction: *Russian*

Programme description:

The Information Control Systems academic programme offers training in the fields of mathematics, natural sciences, engineering, and computers. Using modern methods and information technologies, graduates can solve tasks in both designing of information and control systems and in developing of the mathematical, algorithmic support and software for the systems. The studies focus on training highly qualified personnel for enterprises, where information and control systems are widely applied.

Main programme-specific classes:

- *Seminar on the Modern Problems in the Field of Information and Control Systems*
- *Automated Information and Control Systems*
- *Software and Hardware Means of Information and Control Systems*
- *Models and Methods of Design of Information and Control Systems*
- *Elements of the Theory of Filtering and Identification in Information and Control Systems*
- *Methods of Artificial Intelligence and Neural Networks*
- *Intelligent Systems*
- *Software and Hardware for the Internet of Things*
- *Programming and Development of Applications in Python Language*
- *Mathematical Modelling of Complex Processes and Systems*
- *Control and Diagnostics of Information Failures and Violations in Information and Control Systems*

Programme manager:

Vladimir I. Shiriaev, Doctor of Sciences (Engineering), Professor, Head of the Department of Automated Control Systems