Division: *School of Electronic Engineering and Computer Science*

Academic programme: *12.04.01 Instrumentation Engineering, Information and Measuring Systems*

Mode of study: *full-time*

Programme length: *2 years*

Programme level: *Master's degree*

Language of instruction: *Russian*

Programme description:

Graduates will receive fundamental knowledge in the following fields:

- *Using information, computing, and network technologies; collection and analysis of input data to calculate and design automation and control systems and facilities;*
- *Installation, tuning, adjustment, verification, and commissioning of prototypes of software, hardware, and measurement systems, automation and control complexes, preparation of design and technological documentation*
- *Research and science*

Main programme-specific classes:

- *Neural Network Technologies*
- *Intelligent Distributed Computer-Aided Process Control Systems*
- *Supercomputer Modelling of Technical Devices and Processes*
- *Wireless Technologies for Transmitting Measurements and Data*
- *Digital Signal Processing*
- *Statistical Quality Control Methods*
- *Project Management*

Programme manager: *Marina N. Samodurova, Doctor of Sciences (Engineering), Professor of the Department of Informational and Measuring Technology*