Division: *School of Electronic Engineering and Computer Science*

Academic programme: *09.03.01 Informatics and Computer Engineering, Computer Engineering, Complexes, Systems and Networks*

Mode of study: *full-time*

Programme length: *4 years*

Programme level: *Bachelor's degree*

Language of instruction: *Russian*

Programme description:

This academic programme aims at training professionals in the field of information technologies and computers, in particular, specialists in the Internet of things. Training is held at unique laboratories created jointly with the leading regional and international IT companies, including:

- *Samsung Internet of Things Laboratory, fitted with unique software and hardware Samsung ARTIC solutions, using which students fulfil their own Internet of things projects;*
- *Smart Home Technology Laboratory, which includes the most popular components of modern home automation (smart socket-outlets, switches, household appliances, safety and access control devices), as well as instructional replicas of radioelectronic platforms, such as Raspberry PI, STM32 microcontrollers, FPGA system, etc.*

Main programme-specific classes:

- *Software Engineering (Methodology of Software Design, Patterns);*
- *Unix/Linux Operating Systems;*
- *Computer Circuitry Engineering and Personal Computer Equipment;*
- *Microprocessor Systems;*
- *Computer-oriented Languages;*
- *Intelligent Technologies of Information Processing;*
- *Databases and Data Warehouses;*
- *Computer Networks and Telecommunications;*
- *Computers and Peripheral Equipment.*

Programme manager: *Dmitriy V. Topolskiy, Candidate of Sciences (Engineering), Associate Professor, Head of the Department of Computers*