

Division: *School of Electronic Engineering and Computer Science*

Academic programme: *12.03.01 Instrumentation Engineering, Information and Measuring Technology*

Mode of study: *full-time*

Programme length: *4 years*

Programme level: *Bachelor's degree*

Language of instruction: *Russian*

Programme description:

Graduates know how to develop and operate digital intelligent measurement information devices and systems as applied to various sectors of economy.

Students obtain deep knowledge of:

- *Electrical Engineering, Electronics, Digital Circuitry Engineering;*
- *Measuring Equipment (Digital Measuring Equipment, Physical Values Sensors and Intelligent Measuring Systems);*
- *Microprocessor Equipment and Computer Networks for Information Transmission, including for Measurement Data*

Main programme-specific classes:

- *Probability Theory and Mathematical Statistics*
- *Electronics and Microprocessor Engineering*
- *Numerical Methods in Engineering Calculations*
- *Physical Fundamentals of Information Acquisition*
- *Databases*
- *Computer Networks (Data Transmission Technology and Equipment)*
- *Microprocessor Engineering and Computers in Instrumentation Engineering*
- *Software of Measurement Processes*
- *Digital Measurement Instruments*
- *Measurement and Accounting of Energy Carriers*
- *Errors of Means of Measurement*
- *Intelligent Measurement Systems*

Programme manager: *Andrey S. Volosnikov, Candidate of Sciences (Engineering)*