



Field of Study: **Standardization and Metrology**

Major: **Metrology, Standardization and Certification**

Ivanovo State University of Chemistry and Technology, Russia  
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<b>Awarded degree or qualification:</b>	Bachelor
<b>Language of instruction:</b>	Russian (Preparatory Department for studying Russian language is available)
<b>Form of training:</b>	Full-time
<b>Duration:</b>	4 years
<b>Possibility of free training:</b>	Yes (see more)
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## 1. Programme description

Currently, it is of great importance to assess the quality of products, works or services. Today there is an international system of standards and certification of products, technologies and production, operating in most countries of the world. Hence, there was a need to train specialists of the corresponding profile, the demand for which is steadily growing. The educational programme allows us to train specialists in the field of Metrology, standardization and certification. The training programme provides knowledge in various fields, in particular, in the field of metrology, statistics, quality management, economic development, energy and resource - saving technologies, and ecology.

## 2. Programme objectives

A graduate will be able to perform the following tasks:

- ensure the implementation of measures to improve product quality;
- assess the level of waste and analyse the causes of its occurrence;
- carry out the development of technical, technological and organizational-economic measures for prevention and elimination of waste;
- establish optimal standards for measurement accuracy and reliability of control;
- take part in the development of plans, programmes and methods for performing measurements, tests and control;
- take part in the accreditation of metrological and test production, research and inspection units.

**3. The field of professional activity of graduates includes:** implementation of modern methods of management and quality control of products, processes, taking into



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account environmental and industrial safety requirements. This area also includes the development, implementation and application of modern methods of control, measurement and testing. A graduate will be able to carry out professional activities at industrial enterprises, design organizations, and research organizations involved in certification of various products and implementing quality management systems.

#### **4. The educational programme trains**

- quality specialists in the departments of standardization, technical control and quality management,
- quality management engineers in departments and laboratories at industrial enterprises,
- specialists in standardization and certification.

Students under this program will become elite graduates for the chemical, petrochemical and related industries, in which a variety of high-tech technologies are implemented, which are the basis of technological progress.

#### **5. Major disciplines:**

"Metrology"

"Standardization and Certification"

"Quality Control"

"Methods and Means of Measurement and Control"

"Statistical Methods in Quality Management"

"Audit and Legal Quality Assurance"