

# Instrumentation Technology (Bachelor)

Saint Petersburg Electrotechnical University "LETI"

Degree or qualification is awarded: **Bachelor**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **190 000 - 199 000 rubles per year**

Programme webpage at the university website: <https://etu.ru/en/study/bachelors-degree/instrumentation-technology>

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The sphere of professional activity of Bachelors in the direction 12.03.01 "Instrumentation technology" includes: research, developments and technologies aimed at the creation and operation of devices meant for obtaining, registration and processing of information about the environment, technical and biological objects.

Depending on the content of the educational program of the training direction the objects of professional activity are the following:

- electronic-mechanical, magnetic, electromagnetic, optical, thermalphysic, acoustic and acoustooptical methods;
- devices, complexes and circuitry of instrumentation technology;
- manufacture technology of materials, elements, devices and systems as well as software and information-measuring technologies in instrumentation technology.

## Specializations within this programme

### Your future career may include work with

- Information-measuring systems and devices for receiving, recording and processing information about technical objects and environment;
- Devices and systems for scientific research;
- Resources of navigation, orientation and stabilization for various purposes from objects of individual application to space systems;
- Laser systems and technologies of various application;
- Devices for quality control and diagnostics;
- Acoustic devices and systems;
- Acoustic methods of material quality control in various fields;
- Geoinformation systems;
- Biotechnical methods and technologies for environmental protection;
- Special technical resources of monitoring and protecting the environment.