

**20.03.01 Technosphere  
Safety**

Degree: bachelor  
Program length and study mode: 4 years (intramural)  
Language: Russian  
Credits: 240  
Start date: 1.09.2020  
Location: Taganrog, Institute of Nanotechnologies, Electronics and Equipment Engineering

Entry requirements:  
- secondary general or secondary vocational education;  
- successful passing of entrance tests.

**Program overview:**

The educational program trains qualified experts who meet the requirements of the state educational standard and professional standards and in demand in the labor market in the field of environmental, fire, industrial safety and security in emergencies.

**Program structure:**

Unit 1 Courses - 201 credits  
Unit 2 Practical training - 33 credits  
Unit 3 State final certification – 6 credits

**Typical units of study may include:**

Foreign language; History; Philosophy;  
Computer Science; Mathematics; Physics; Chemistry;  
Health and safety; Physical culture

**Special courses:**

Reliability of technical systems and technology-related risk; Management, supervision and control in the field of safety; Labor Protection; Declaration of hazardous industries; Production and consumption waste management; Medical and biological basics of safety; Industrial ecology; Engineering protection in emergency situations; Psychophysiology of extreme situations and disaster medicine

**Research areas:**

- natural and man-made environments monitoring methods and instruments;
- emergency forecasting and risk calculation;
- fire detection systems;
- water cleanup systems

**Careers:**

Experts in labor protection and environmental safety, designers in the field of ecology, analysts in monitoring centers, specialists in fire prevention, employees of the Ministry for Emergency Situations.

**Get in touch:**

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