

20.03.01 TECHNOSPHERIC SAFETY

The field of activity of bachelors in the direction of "Technosphere Safety" involves ensuring human safety in the modern world, the formation of a safe technosphere, reducing the impact of man-made impacts on the natural environment, preserving life and health through the use of modern means of protection, control and forecasting methods.

Where will they teach?

Technosphere safety is one of the areas of training of the technological faculty of USTU, carried out by the department of chemistry, chemical technology, ecology and technosphere safety.

Duration of full-time study is 4 years.

The duration of study in full-time and part-time forms is 5 years.

The duration of study in the correspondence course is 5 years.

Number of places at USTU:

30 budget places for full-time education,

30 places under the agreement on the provision of paid educational services in full-time and part-time education.

Number of places in the Vorkuta branch of USTU:

40 places under the agreement on the provision of paid educational services in correspondence courses.

What will they teach?

- participate in design work to create means of ensuring safety from man-made and anthropogenic impacts;
- identify sources of hazards at the enterprise, as well as determine their level;
- identify areas of increased man-made risk;
- develop safety requirements when preparing projects;
- operate safety protection and control equipment;
- engage in the selection of methods and systems for protecting humans and the environment;
- draw up safety instructions;
- conduct training on safety requirements;
- implement activities of occupational health and safety, industrial and fire safety management systems at the enterprise level;
- develop regulatory legal acts on issues of ensuring security at the enterprise level;
- monitor the condition of protective equipment;
- monitor fields and sources of danger in the technosphere ;
- conduct a safety assessment;
- participate in scientific research in the field of security.

Future Professions

- Occupational safety specialist
- Production Control Specialist
- Specialist in ensuring industrial safety requirements
- Industrial Safety Engineer
- A specialist responsible for implementing production control during the operation of a hazardous production facility
- Inspector of state supervision and control
- Fire prevention specialist
- Fire safety specialist