

OCCUPATIONAL SAFETY AND HEALTH

(name of the discipline)

ANNOTATION

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 6-05-0612-03 Information processing systems

Specialization Automated information processing systems

	Form of higher education
	Full-time (daytime)
Course	1
Semester	2
Lectures, hours	16
Laboratory classes, hours	16
Credit, semester	2
Classroom hours in the academic discipline	32
Independent work, hours	76
Total academic hours/credits	108/3

1 Purpose of the academic discipline

The purpose of the academic discipline is the acquisition by students of knowledge and practical skills on labor legislation, industrial sanitation, safety and fire safety for further use in their professional activities.

2 Tasks of the academic discipline

The objectives of the discipline are:

- obtaining students' understanding of the current laws, rules and regulations on labor protection and the skills of using them;
- acquisition of knowledge and rules of conduct aimed at forming the ability to prevent the impact of harmful and (or) dangerous production factors or minimize their consequences for the preservation of life and health and ensuring normal working conditions;

As a result of the development of the academic discipline, the student must

To know:

- theoretical foundations of industrial safety, industrial sanitation and occupational health, personnel in the system "man - habitat";
- potential dangers and harmfulness of the production environment that forms working conditions, the causes of their occurrence;
- features of their impact on human health; principles of hygienic rationing and assessment of man-made factors;
- principles, methods and means of human protection.

can:

- assess the level of risk of injury and morbidity of workers associated with working conditions;
- carry out the selection, design and calculation of engineering-technical, ergonomic, sanitary-hygienic, socio-economic, legal and other methods and means to reduce the risk of negative consequences caused by an unfavorable production environment

must have the skills to:

- a methodology for instructing employees to ensure the safety of their work.

3 The place of the academic discipline in the system of training in the system of training a specialist with higher education

The discipline "Occupational safety" is included in the module of disciplines "Life safety", the state component.

The list of academic disciplines / modules studied earlier, the assimilation of which is necessary for the study of this discipline:

- Chemistry.

The list of academic disciplines (modules) that will be based on this discipline:

- Devices and methods of radiation control;
- Protection of the population and objects from emergency situations. Radiation safety;
- Fundamentals of environmental and energy sustainability of production.

In addition, the results of studying the discipline are used in the course of practice and in the preparation of a graduation project.

4. Competencies to be formed:

БПК-10 – Assess the environmental and energy sustainability of materials, technologies and industries, formulate measures to protect the population in emergency situations, ensure radiation safety, develop labor protection measures, methods and methods for safe work performance, protection of people's life and health

5. Requirements and forms of current and intermediate certification.

As a form of control of intermediate progress, the defense of the abstract and individual assignment, control work, and intermediate certification in the form of a test are used.