

**Don State Technical University
HIGHER EDUCATION SYLLABUS IN**

1.1.Name of the study programme (in the original language)	Пожарная безопасность
1.2.Name of the study programme in English	Fire safety
1.3.Qualification (degree)	specialist
1.4.Mode of education	full-time, part-time
1.5.Educational department	Don State Technical University, Faculty of Life Safety and Engineering Ecology, Department of Life Safety and Environmental Protection
1.6.Workload (ECTS)	300
1.7.Duration of education	5 years (full-time) 6 years (part-time)
1.8.Field	Fire safety
1.9.Profile	Fire safety
1.10.Code of the field	20.05.01
1.11.Teaching languages	Russian
1.12.Other necessary languages	
1.13.Approved by the educational department (date)	
1.14.Admission requirements	<ul style="list-style-type: none"> • Certificate of Secondary (full) or Secondary Vocational Education of nationally recognized standard; • Unified State Exams in: 1) Mathematics, 2) Russian language; 3) Physics, Chemistry or Informatics; • Enrollment is made in accordance with Don State Technical University admission rules

2.Aim of the programme

2.1 The purpose of the educational program:

Training of new formation specialists capable of practical implementation of the acquired knowledge in the field of fire safety, having the ability to use in the future activity the acquired set of general, professional, professional and specialized competencies for ensuring fire safety, prevention, prevention and suppression of fires with personal qualities and character of thinking, in which issues of preserving human life and health are considered as a priority.

2.2 features of the program:

Professional tasks to be solved by graduates are mainly focused on service and operational activities. The choice of features of the implementation of the program specialist program due to the needs of the regional labour market, research and logistical resources of the Department. After completing the training on the educational program, the specialist is prepared for specific

types of professional activities, including the operation of fire protection and fire control systems; operation of fire, rescue and adapted equipment, equipment, equipment and communication equipment; control of the current state of the fire protection equipment used, decision-making on their replacement (regeneration); carrying out protective measures and elimination of the consequences of accidents.

3.Characteristics of the programme

3.1.Main disciplines/modules:

Initial training of firefighters, Fire-drill, Legal support of professional activity, theory of combustion and explosion, Physical and chemical bases of development and fire extinguishing, Planning and organization of fire extinguishing, Organization and management in the field of fire safety, Fire water supply, Fire safety of electrical installations, Fire safety in construction, Buildings, structures and their stability in fire, Fire safety of technological processes, Automated control systems and communication, Production and fire automation, Fire tactics, Fire equipment, Prediction of fire hazards, State supervision in the field of civil defense, State fire supervision, Investigation of fires, Legal regulation in the field of fire safety, gas Protection service, organization of service and training, Fire-technical expertise and expertise of fires, State supervision in the field of protection of population and territory in emergency situations, Special fire and rescue equipment, Mathematical modeling of the development of fires and explosions, Organization and maintenance of a billing system, Information system, assessment and prediction of fires, Economy fire safety, Ensuring industrial and ecological safety, Physical culture and sport(the sports section)

3.2 Elective disciplines:

Protection of labor in the units of the State Fire Service, Organization of work with personnel in the Ministry of Emergency Situations, Fire-fighting training, Special fire and rescue equipment, Fundamentals of first aid.

4.Employment and further education opportunities

4.1 Job opportunities

As a priority kind of professional activity, service-operational activities are considered. However, if necessary, graduates can find jobs and work efficiently in design and engineering; industrial and technological; organizational and managerial; research;

expert, supervisory and inspection-audit activities.

4.2 Further studies

Graduates can continue their studies in the master programme 20.04.01 Occupational safety and safety in the technosphere or postgraduate programme 20.06.01 Labor protection.

5. Programme learning outcomes

- to be guided in the General principles of ensuring fire safety of objects of protection;
- identify environmental hazards associated with human activities;
- recognize environmental hazards associated with natural hazards;
- establish hazardous processes and production;
- choose methods of assessment and ways to reduce fire risks;
- focus on methods and means of protection of man and environment from the dangers;
- conduct management processes to achieve the goal of fire safety systems;
- be guided in the rules of regulation of hazards and their impact on the environment;
- to apply the methods, means and power of salvation of human and property during emergency situations (es);
- categorize system of fire safety of objects of protection;
- to predict the processes of technical regulation in the field of fire safety;
- apply means of information, metrological, diagnostic and management support of technological systems to achieve the quality of fire safety systems.

6. Education style (Teaching, learning, assessment)

6.1. Learning and teaching approaches

The process of forming competencies involves the use of a set of methodological, strategic and tactical educational technologies. The lecture course includes both traditional and classical presentation of the material, as well as dialogue, problem, practice-oriented, analytical lectures. Lectures are accompanied by presentations of illustrative, study, organize.

The practical classes use an active method of learning-advanced independent work-the study of students of the new material before its presentation by the teacher at the lecture. Interactive forms of practical training on the discipline include problem and game training, including elements of business and role-playing games, computer simulations and modeling.

Information and communication technologies are widely used in independent work of students. In the process of practical work, students participate in the discussions on-line, on the basis of the studied material are thematic crossword puzzles.

6.2. Assessment methods

Evaluation tools include sets of test tasks, including electronic ones; sets of control questions for oral interviews based on practical training materials; control questions for the exam and offset; subjects of coursework and projects; criteria for assessing the results of the discipline. The state final certification completes the training and includes the state examination and protection of the final qualifying work.

7. Contact information (responsible chair, head of the programme)

Department "Life safety and environmental protection", the head of the program, the head of the department, Doctor of Technical Sciences, professor Meskhi Besarion Chohoevich