



RĪGAS TEHNISKĀ UNIVERSITĀTE

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Study programme "Fire Safety and Civil Protection"

Main attributes

Title	Fire Safety and Civil Protection
Identification code	IID0
Education classification code	44861
Level and type	Professional Postgraduate Higher (Engineer) Education
Higher education study field	Internal Security and Civil Protection
Head of the study field	Māris Jurušs
Department responsible	Faculty of Engineering Economics and Management
Head of the study programme	Vladimirs Jemeljanovs
Professional classification code	2149 40
The type of study programme	Full time, Part time
Language	Latvian
Accreditation	19.06.2024 - 20.06.2030; Accreditation certificate No 2024/18-A
Volume (credit points)	90.0
Duration of studies (years)	Full time studies - 1,5; Part time studies - 2,0
Degree or/and qualification to be obtained	qualification of fire safety and civil protection engineer
Qualification level to be obtained	The 6th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF)
Programme prerequisites	Short-cycle professional higher education and fifth-level professional qualification "Technician of fire safety and civil protection" or comparable education

Description

Abstract	A fire safety and civil protection specialist can work in fire safety, fire-fighting, rescue and civil protection services and formations of the State, municipalities, institutions, organisations and commercial companies, as well as in voluntary fire-fighting organisations. Graduates of the study programme obtain the first level professional higher education and the sixth level professional qualification "Fire Safety and Civil Protection Engineer".
Aim	To provide first level professional higher education in fire safety and civil protection in order to provide a set of theoretical knowledge and practical skills corresponding to the professional standard and requirements of the first level of professional higher education, allowing to start professional activity as a fire safety and civil protection engineer.
Tasks	The objectives of the study programme are to provide students with the knowledge required for the professional qualification of Fire Safety and Civil Protection Engineer: <ul style="list-style-type: none">- to provide knowledge of the organisation of fire safety and civil protection systems, the monitoring of fire safety and civil protection measures and risk assessment;- to provide knowledge of fire safety and civil protection systems and the development of packages of measures for the successful elimination of fires and accidents, rescue of people and protection of the environment;- to provide knowledge of disaster management and civil protection training, monitoring compliance with fire safety and civil protection requirements laid down in legislation;- to provide knowledge on the assessment and management of fire and technogenic emergency risks, applying general principles of fire safety and civil protection and engineering solutions.

Learning outcomes	<p>The graduate of the study programme is:</p> <ul style="list-style-type: none"> - able to develop fire safety measures and civil protection plan, analyse compliance with fire safety and civil protection requirements in objects and develop measures for their improvement, analyse civil protection systems in the object, threats and their management, develop action plans and organise their implementation in fire and civil protection response measures in objects, identify factors affecting the quality of operation of building engineering systems (in the field of ventilation, heat, gas and water technology) and risks affecting fire safety in the facility, to determine preventive measures corresponding to quality risks; - able to perform control of the requirements of fire safety and civil protection laid down in regulatory acts, carry out compliance checks on construction sites, ensure the requirements laid down in fire safety and civil protection regulatory acts and control their implementation, evaluate and argue criminal liability, administrative violations of legal norms in the fields of fire safety, management and labour protection, perform administrative and the administrative violation process, perform procedural actions in case of challenge and appeal, analyse the state of fire safety and civil protection, and, based on this analysis, plan and organise fire safety prevention and disaster management measures, make proposals in the development of drafts of regulatory acts regulating firefighting, fire safety and civil protection; - able to perform off-site disaster management, assess and improve the organisation of the site's integrated safety system, cooperate with fire and rescue service organisations, perform risk analysis and assessment, perform off-site disaster management, assess and improve the organisation of the site's integrated safety system, cooperate with fire and rescue service organisations, perform risk analysis and assessment; - able to conduct training in the field of civil defence, prepare and conduct fire safety and civil defence exercises according to levels, types of events and objectives; - able to apply professional activities in the implementation and compliance with legal, communication, labour and environmental protection measures, communicate in the national language and foreign languages, including using professional terminology, know and apply labour and environmental protection requirements, comply with information data security principles, engage in research processes.
Final/state examination procedure, assessment	<p>The study programme is completed by a state examination, which includes the elaboration and public defence of a diploma project at an open meeting of the State Examination Committee (SEC), which, according to the requirements, includes highly qualified SFRS specialists. The topics of the diploma project shall be related to current problems in civil protection and fire safety. The diploma project solves problems of fire safety, firefighting, rescue and civil protection, professionally using the knowledge, skills and abilities acquired during studies.</p>
Description of the future employment	<p>Graduates can work as fire and civil protection engineers in the State Fire and Rescue Service, as well as fire and civil protection specialists in fire protection, firefighting, rescue and civil protection services and formations of municipalities, institutions, organisations and commercial companies as unit managers.</p>
Special enrollment requirements	
Opportunity to continue studies	<p>Graduates can continue their studies in the professional master study programme "Occupational Safety" and, after completing their master's studies, pursue doctoral studies.</p>

Courses

No	Code	Name	Credit points
A		Compulsory Study Courses	36.0
1	IV0479	Fire Security of Construction and Design	3.0
2	IV0478	Fire Security of Construction and Design (study project)	3.0
3	SD0003	Innovative Product Development and Entrepreneurship	6.0
4	IV0485	Safety of Technological Processes	3.0
5	IV0487	Fire Safety Monitoring and Fire Assessment	6.0
6	IV0482	Facility Risk Assessment and Disaster Modelling and Management	6.0
7	IV0477	Object Risk Assessment and Disaster Modelling (study project)	3.0
8	IV0441	Introduction to research	6.0
B		Compulsory Elective Study Courses	6.0
0	IV0480	Civil Protection System Planning	6.0
1	IV0484	Fire Safety and Civil Protection Legislation	6.0
C		Free Elective Study Courses	3.0
D		Practical Placement	30.0
1	IV0483	Internship	30.0
E		Final Examination	15.0
1	IV0486	Diploma Project	15.0