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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	46862
Level and type	Professional Postgraduate Higher (Engineer) Education
Higher education study field	Internal Security and Civil Protection
Head of the study field	Aivars Vilnis Krastiņš
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
Language	Latvian
Accreditation	05.06.2013 - 31.12.2023; Accreditation certificate No 24
Volume (credit points)	60.0
Duration of studies (years)	Full time studies - 1,5
Degree or/and qualification to be obtained	Qualification of Engineer in Fire Safety and Civil Defence
Qualification level to be obtained	The 5th level of Latvian Professional Qualifications
Programme prerequisites	First Level Professional Higher Education (applicants, who have graduated from 80 CP programme, have to fulfil additional requirements in the volume of at least 20 CP) – 4th Level Professional Qualification in Fire Safety and Civil Defence

#### Description

Abstract	<p>The second level professional higher education study programme “Fire Safety and Civil Defence” has been elaborated according to the Cabinet regulations No. 481 “Regulations regarding the State Standard for the Second Level Professional Higher Education”. This study programme is unique in the Baltic region. Specialists in fire safety and civil defence can work at rescue and civil defence services and formations, as well as volunteer fire organizations of state enterprises, municipalities, institutions, organizations and commercial enterprises.</p> <p>These specialists are required by the State Fire and Rescue Service (SFRS) according to a special cooperation agreement concluded between RTU and SFRS, and it is necessary to train 15–20 engineers in fire safety and civil defence every year. Professional study programme is implemented by the Institute of Occupational Safety and Civil Defence of the Faculty of Engineering Economics and Management at Riga Technical University. The graduates of the study programme are granted the qualification in the field of fire safety and civil defence.</p>
Aim	The aim of the second level professional higher education study programme "Fire Safety and Civil Defence" is to provide professional higher education in fire safety and civil defence in order to ensure the acquisition of theoretical knowledge and practical skills in accordance with the second-level professional higher education requirements, which allow commencing professional activities in the field of fire safety and civil defence.
Tasks	<p>Principal tasks of the study programme are the following:</p> <ul style="list-style-type: none"> <li>- to provide the students with professional knowledge of fire security and civil defence;</li> <li>- to ensure disaster management and operational activities in case of an accident;</li> <li>- to manage the fire-fighting and rescue work;</li> <li>- to perform fire security monitoring and construction documentation analysis and expertise;</li> <li>- to organize civil defence activities;</li> <li>- to investigate the cause and circumstances of fire;</li> <li>- to train staff.</li> </ul>

Learning outcomes	<p>Upon successful completion of the study programme, the graduates are able:</p> <ul style="list-style-type: none"> <li>- to plan activities in the sphere of fire security and civil defence;</li> <li>- to analyse and fulfil requirements of the existing normative regulations;</li> <li>- to organize and carry out practical training in fire-fighting and civil defence;</li> <li>- to act and organize situation management activities in an emergency situation;</li> <li>- to monitor activities related to fire safety and civil defence ensuring compliance with fire-fighting and civil defence requirements;</li> <li>- to solve economic, psychosocial and organizational problems related to fire-fighting and civil defence;</li> <li>- to analyse and evaluate the results of monitoring and controlling in compliance with regulatory requirements;</li> <li>- to create, analyse and use databases, to substantiate planned priorities and their usefulness;</li> <li>- to take responsibility for their own work results;</li> <li>- to plan and manage team work;</li> <li>- to implement requirements of environmental protection and occupational safety regulations;</li> <li>- to demonstrate their understanding of the rules of professional conduct;</li> <li>- to analyse the work results.</li> </ul>
Final/state examination procedure, assessment	<p>Defence of the diploma project serves as the state examination, which is organized according to the regulation. Diploma project deals with topical issues in fire safety and civil defence. Within the framework of the diploma project, problems related to fire safety, fire-fighting, rescue and civil defence are solved using professional knowledge, skills and competences. Diploma project is defended at an open meeting of the State Examination Commission, which consists of highly skilled SFRS specialists according to the requirements.</p>
Description of the future employment	<p>Graduates have opportunities to continue working in the acquired specialty at the State Fire and Rescue Service. According to the contracts concluded between RTU and SFSR, all graduates work at the SFRS. The graduates can work as specialists in fire safety and civil defence and as heads of units at fire safety, fire-fighting, rescue and civil defence services and formations of municipalities, institutions, organizations and commercial enterprises.</p>
Special enrollment requirements	<p>Students are admitted only after completion of an accredited study programme at the Fire Safety and Civil Defence College. Admission procedure is governed by the admission requirements of RTU. Admission criteria – an official transcript from the above-mentioned college. Thus, students' knowledge upon beginning of studies at the programme and RTU specified admission criteria are sufficient to achieve the expected learning outcomes in a timely and qualitative manner.</p>
Opportunity to continue studies	<p>Graduates have an opportunity to continue their education at professional master study programme “Occupational Safety” and, upon completing Master studies, continue studies at the doctoral programme.</p>

**Courses**

No	Code	Name	Credit points
<b>A</b>		<b>Compulsory study courses</b>	<b>24.0</b>
1	ICA401	Fundamentals of Fire Security and Civil Defence Law	3.0
2	IDA715	Fundamentals of the Activities of Technogenic Environment Safety Organizations	2.0
3	IDA401	Labour Protection and Occupational Safety	2.0
4	ICA406	Object Risk Assessment	3.0
5	ICA405	Management and Simulation of Emergency Situations	3.0
6	ICA410	Fire Security of Construction and Design	2.0
7	ICA404	Fire Security Supervision and Control	2.0
8	ICA403	Fire Investigation	2.0
9	IDA408	Safety in the Use of Hazardous Substances	3.0
10	ICA411	Fire Security of Construction and Design (study project)	2.0
<b>D</b>		<b>Practical Placement</b>	<b>26.0</b>
1	ICA010	Practical Placement	26.0
<b>E</b>		<b>Final examination</b>	<b>10.0</b>
1	IDA006	Diploma Project	10.0