



RĪGAS TEHNISKĀ UNIVERSITĀTE

Reģ.Nr.9000068977, Kipsalas iela 6A, Rīga, LV-1048, Latvija
Tālr.:67089999; Fakss:67089710, e-pasts:rtu@rtu.lv, www.rtu.lvwww.rtu.lv

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Study programme "Occupational Safety"

Main attributes

Title	Occupational Safety
Identification code	IGA0
Education classification code	47862
Level and type	Professional Master (Second Cycle) Studies
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	Tatjana Tambovceva
Professional classification code	2263-01
The type of study programme	Extramural
Language	Latvian
Accreditation	19.06.2024 - 20.06.2030; Accreditation certificate No 2024/18-A
Variant 1	
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	Professional master degree in occupational safety and qualification of chief specialist in occupational safety
Qualification level to be obtained	The 7th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF); the 7th level of professional qualification
Programme prerequisites	Professional bachelor degree in occupational protection and safety or comparable education; or Professional bachelor degree in environmental sciences, engineering and technology, public health, management science, legal science, physical sciences, life sciences, or comparable education, and at least one year of professional experience in an occupational safety-related field
Variant 2	
Volume (credit points)	120.0
Duration of studies (years)	Full time studies - 2,0; Extramural - 2,5
Degree or/and qualification to be obtained	Professional master degree in occupational safety and qualification of chief specialist in occupational safety
Qualification level to be obtained	The 7th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF); the 7th level of professional qualification
Programme prerequisites	Academic bachelor degree in environmental sciences, engineering sciences and technologies, public health, management, legal science, physical sciences, life sciences, or comparable education, and at least two years of professional experience in an occupational safety-related field

Description

Abstract	<p>The study programme was established in 2004 as the first study programme of this level in Latvia to provide state, municipal and private companies and organisations with highly qualified labour protection specialists. Labour protection is part of the management process in any modern organisation. Implementation of the labour protection system ensures a healthy working environment, promotes employee satisfaction and ensures the long-term success, efficiency and effectiveness of the organisation. The organisation creates a working environment where processes, work equipment and raw materials are safe to use and create value for society and the environment.</p> <p>Graduates of the study programme are able to identify the multiple interests of an organisation's management, employees, owners and society; they are able to analyse, evaluate, develop, disseminate and implement safe work process management and improvement methods in order to promote continuous improvement of the organisation's safety and efficiency.</p> <p>Graduates of the study programme work as senior specialists in labour protection, heads of labour protection departments in organisations in various sectors of the economy, including competent institutions for labour protection. Graduates can also work as self-employed persons or individual merchants, providing consultancy and auditing services related to labour protection.</p>
Aim	<p>To prepare a specialist who has knowledge and skills in the areas of management, organisation and supervision of the labour protection system, risks of the working environment, analysis, forecasting and who would be able to set a project goal, participate in its development and implementation, make calculations, take decisions on improving the labour protection system and implement them in accordance with the requirements of the profession of Senior Labour Protection Specialist, as well as to continue studies in the doctoral programme.</p>

Tasks	<ul style="list-style-type: none"> - to provide knowledge in setting up and managing a company's labour protection system; - in labour protection legislation, occupational risk management and assessment, occupational safety, fire safety, civil protection, business economics and management, occupational health and occupational medicine, environmental protection, education or psychology; - to develop practical work skills in the use of various decrees and regulations of the Cabinet of Ministers of the Republic of Latvia, regulations and instructions issued by the Ministries of Welfare and Economics and their structural units and to use the knowledge acquired during studies and practice in the elaboration of study works and projects, as well as Master theses; - to develop students' ability to understand the goal of problem solving, to participate professionally in the management and development of the project, carrying out the necessary procedures; - to ensure the development and changes of the study programme content, study process, scientific and research work in accordance with changes in international practice, scientific and didactic practice; - to stimulate students' interest in the processes taking place in society, including in a professional context, to stimulate students' development into modern, responsible and professionally capable personalities; - to develop cooperation between academic staff and students, to promote research and practical application of the results in quality management and conformity assessment in different organisations, to promote international mobility and participation in projects.
Learning outcomes	<p>Graduate of the study programme is:</p> <ul style="list-style-type: none"> - able to establish and manage the company's labour protection system, integrate into the company's labour protection system the requirements of appropriate regulatory acts and standards in the field of labour and environment protection, assess the effectiveness of the labour protection system in the business context; - able to manage and train human resources in labour and environmental protection matters, organise the participation of employees and their representatives in solving labour protection issues, control their knowledge and skills, develop labour protection instructions and educational training materials; - able to plan, implement and improve the internal monitoring of the working environment, organise measures necessary for the prevention of possible serious or direct dangers and accidents at work, organise occupational health measures for employees in the company; - able to assess and analyse work environment risks, develop work environment risk management procedures and apply appropriate methods, implement work environment risk management and monitoring, evaluate the effectiveness of work environment risk management and implemented measures, including introduction of new work equipment; - able to apply general skills, knowledge and competences in professional activity, implement social and civic skills for creating social dialogue in society and the company, use information and communication technologies, integrate knowledge from different fields, contributing to the creation of new knowledge, development of research or professional activity methods, develop reports, publications and presentations on research results in the relevant industry and professional field.
Final/state examination procedure, assessment	<p>The study programme is completed by a final examination, which is evaluated on a ten-point scale and includes the defence of the Master's thesis. The criteria for the defence of the Master's thesis are:</p> <ul style="list-style-type: none"> - systematising, consolidating and extending theoretical knowledge and experience; - independent study of literature and other information sources, including in foreign languages; - the theoretical framework and problem-solving skills of the tasks, including individual and complex summaries and novelty elements; - analysis of a current business problem; - developing and implementing practical solutions; - developing and strengthening independent applied research skills and the ability to defend the practical results obtained. <p>A student who has completed the programme and passed the final examination with a grade of at least 4 (almost average) receives a diploma for second level professional higher education.</p>
Description of the future employment	<p>Upon graduation, the graduate obtains the status of "Competent Labour Protection Specialist". Graduates can work in state and municipal institutions, as well as in commercial enterprises as occupational health and safety specialists, and are entitled to carry out pedagogical work in their specialty in accordance with the legislation of the Republic of Latvia.</p>
Special enrollment requirements	
Opportunity to continue studies	Doctoral studies

Courses

No	Code	Name	C.p. [1]	C.p. [2]
A		Compulsory Study Courses	30.0	30.0
1	IV0139	Labour Protection and Safety	8.0	8.0
2	IV0546	Environment Protection	3.0	3.0
3	IV0039	Topical Problems of Labour and Labour Safety Law	4.0	4.0
4	IV0057	Occupational Health and Ergonomics	7.0	7.0
5	IV0544	Safe Working Practice with Dangerous Substances	3.0	3.0
6	IV0138	Civil Defence and Fire Safety	5.0	5.0
B		Compulsory Elective Study Courses	18.0	18.0
B1		Field-Specific Study Courses	18.0	18.0
1	IV0545	Means of Personal and Collective Labour Protection	3.0	3.0
2	IV0135	Dangerous Equipment and Electrical Safety	5.0	5.0
3	IV0721	Safety of Manufacturing Technologies	3.0	3.0
4	IV0547	Principles of Computer Modelling and Data Processing	3.0	3.0
5	IV0548	Principles of Designing Labour Protection Equipment	3.0	3.0
6	IV0549	Business Management	3.0	3.0
7	IV0047	Scientific Seminars	4.0	4.0
C		Free Elective Study Courses	3.0	3.0
D		Practical Placement	9.0	39.0
1	IV0551	Practical Placement	9.0	9.0
2	IV0730	Internship		30.0
E		Final Examination	30.0	30.0
1	IV0550	Master Thesis	30.0	30.0
<i>K.p.[*] kredītpunkti studiju programmas variantā</i>				