

## **TOPIC 2 - STUDY PROGRAMMES**

Higher education institution: College of Occupational Safety and Health (257)

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## TABLE WITHIN THE TOPIC 2 - STUDY PROGRAMMES

**Table 2.1. Learning outcomes at the level of the study programme for the evaluated academic year**

Safety; specialisations in: Workplace safety, Fire safety (1791), professional undergraduate study programme, Zagreb

Learning outcomes* of study programme	PIU1	PIU2	PIU3	PIU4	PIU5	PIU6	PIU7	PIU8	PIU9	PIU10	PIU11	PIU12	PIU13	PIU14	PIU15	PIU16	PIU17
Courses																	
Computer Science (68)	+	+		+				+						+			
Mathematics (1)	+							+									
Quality Management Systems (85)		+	+				+		+	+		+	+	+			
Introduction to Security Studies (86)	+			+				+	+			+	+		+		+
English Language (84)		+						+									
Risk Management (87)	+	+		+			+		+		+	+	+		+		+
Organizational Behavior (95)		+	+		+						+						
Introduction to Security Project Management (88)	+				+			+									
Technical Mechanics (64)		+						+		+							+
Protection and Rescue (67)							+		+			+	+		+	+	+
Introduction to Crisis Communication (96)			+					+			+				+		
<b>Total number of courses per LO</b>	5	6	3	3	2	0	3	7	4	2	3	4	4	2	4	1	4

**Table 2.1.a Learning outcomes - explanation**

Safety; specialisations in: Workplace safety, Fire safety (1791), professional undergraduate study programme, Zagreb

LO label	Learning outcomes description
PIU1	Propose information communication tools and technology and mathematical methods for analysis, calculation, and prevention of economic and security threats in the business environment
PIU2	Build effective control and management of quality and finances with application of relevant tools and methods on the example of a business process
PIU3	Critically assess the characteristics of modern business leadership models that contribute to more successful employee motivation, better management of organizational changes, time and costs, and efficiency of individual and teamwork
PIU4	Evaluate security risks in the context of information and cyber security, electricity, fire, explosion, chemical and physical hazards, hazardous substances, and human health on the example of a business entity
PIU5	Anticipate difficulties when planning and implementing business projects in the context of environmental protection, improving the health of employees and control of occupational diseases
PIU6	Assess the impact of the business environment on people, sustainable development, and the environment
PIU7	Assess the justification, efficiency, and application of the business security management system according to international norms in the business environment
PIU8	Integrate theoretical, professional, and administrative knowledge, as well as various methods, instruments, and tools for collecting, analyzing, and interpreting data and information in internship and creation of final papers in Croatian and English language
PIU9	Plan the selection of building materials, elements, and constructions regarding their resistance to fire and explosion, and the application of general principles of prevention prescribed by the Occupational Health and Safety Act
PIU10	Critically assess terms related to technical mechanics and their application in practice
PIU11	Connect the concepts of crisis, crisis management, and crisis communication in the crisis management system in the business environment
PIU12	Develop a management system of integral and corporate security (occupational health and safety, prevention of fire and explosion, protection of environment, property, persons, protection against chemical and physical harms and hazardous work substances on the example of a business entity
PIU13	Integrate measures of surveillance, occupational health and safety, and protection against fire and explosion in the security management system with the intention of preventing damage, injuries at work, occupational diseases, and improvement of working conditions
PIU14	Evaluate ways of cost-effective management of industrial and energy infrastructure systems
PIU15	Assess potential natural disasters, their impact on business and social life and protection and rescue measures.
PIU16	Critically evaluate jurisdictions in accordance with the Private Protection Act
PIU17	Evaluate organizational and technical concepts of anti-explosion protection and technical mechanics with a focus on safety in industrial facilities with explosive atmosphere

**Table 2.1. Learning outcomes at the level of the study programme for the evaluated academic year**

Safety; specialisations in: Safety at Work, Fire Safety, Protection of Persons and Property, Environmental Safety (1796), specialist graduate professional study programme, Zagreb

<b>Learning outcomes* of study programme</b>	<b>DIU1</b>	<b>DIU2</b>	<b>DIU3</b>	<b>DIU4</b>	<b>DIU5</b>	<b>DIU6</b>	<b>DIU7</b>	<b>DIU8</b>	<b>DIU9</b>	<b>DIU10</b>	<b>DIU11</b>	<b>DIU12</b>	<b>DIU13</b>	<b>DIU14</b>	<b>DIU15</b>	<b>DIU16</b>	<b>DIU17</b>
<b>Courses</b>																	
Administrative Procedure (39)		+	+		+								+				+
International and European Security Law (76)		+	+		+								+				
Modern Concepts and Protection Devices (56)	+			+					+	+							+
Kiberneti ka sigurnost (77)	+			+				+	+								+
Standards and Quality Assurance (79)	+				+	+	+	+			+		+		+		+
Environmental Protection (90)	+				+	+	+	+			+	+	+				+
Testing the Working Environment (34)	+			+				+			+						+
Risk Assessment and Planning (3)	+			+		+		+		+	+			+	+		
Machinery and Equipment Safety (30)				+						+				+	+		
Society and Risks (70)	+			+		+		+	+					+	+		+
Waste Management (37)					+		+		+		+	+	+				
Environmental Protection System (57)	+				+		+		+		+	+	+				
Sustainable Development (82)	+				+		+		+		+	+	+				
Fire Risk Assessment (5)	+					+		+	+	+	+			+	+		+
Fire Fighting Techniques (31)	+					+		+	+	+	+			+	+		
Fire Brigade (36)	+					+		+	+	+	+			+	+		
Disaster Prevention and Management (80)	+				+			+	+		+						
<b>Total number of courses per LO</b>	13	2	2	6	8	7	5	10	10	6	11	4	7	6	7	0	8

**Table 2.1.a Learning outcomes - explanation**

Safety; specialisations in: Safety at Work, Fire Safety, Protection of Persons and Property, Environmental Safety (1796), specialist graduate professional study programme, Zagreb

LO label	Learning outcomes description
DIU1	Select an appropriate tool for evaluating risk assessment methods in business and social environments
DIU2	Critically assess the differences between international, European, and internal national law
DIU3	Evaluate parties of administrative procedure, principles of administrative procedure, types of jurisdictions, ways of representing parties, ways of initiating administrative procedure, means of proof, actions, and deadlines
DIU4	Recommend models of industrial logistics, establishment of business intelligence, corporate security system and measures for cyber, information, and technical protection in the business and social environment in accordance with modern trends in the field of security
DIU5	Combine processes, procedures, and responsibilities with quality assurance policies and objectives
DIU6	Plan the protection and rescue measures against disasters.
DIU7	Integrate the principles of environmental protection into the business strategies of the business entity
DIU8	Recommend necessary tests and measurements in the field of the working environment
DIU9	Plan risk assessment and planning processes in the business and social environment
DIU10	Create a list of machines and equipment posing heightened risks for the safety and health of workers on the example of a business entity
DIU11	Integrate waste storage procedures by category, properties, and aggregate state into the waste management system (recycling)
DIU12	Combine economic development with the model of continuous development of the environmental protection system on the example of a business entity
DIU13	Evaluate the success of business processes of sustainable development based on legal regulations and ESG criteria (environmental, social, and governance).
DIU14	Assess the level of fire risk on the example of a business entity
DIU15	Recommend special measures of operational, technical, and tactical readiness for protection against fire
DIU16	Evaluate forms, causes, factors and methods of protection against terrorism and protection of persons and property
DIU17	Integrate theoretical, professional, and administrative knowledge in the field of occupational health and safety, protection against fire, environmental protection, protection of persons and property as well as various methods, instruments, and tools for collecting, analyzing, and interpreting data and information in performing professional practice and crea