

State Final Examinations	Academic Year: 2018/2019
Master's Degree Studies Program:	Engineering Informatics
Study Branch:	Security Technologies, Systems and Management
Study Focus:	Technical, Management

## **Commercial Security Technologies**

### Compulsory Optional Subject

1. Integrated Alarm Systems - Characteristics, applications, types of configurations, alarm and non-alarm applications, normative integration requirements.
2. Alarm and Non-alarm Hardware Integration Applications - Integration IN / OUT, integration of alarm applications components as integration elements, principles, general schematics, technologies used, interface types.
3. Alarm and Non-alarm Hardware Integration Applications - Integration using automation systems as integration elements, principles, general schematics, technologies used, activation and reaction events.
4. Fire Detection and Alarm System Proposal and Design Principles - Legislative framework, FDAS functions scheme, fire safety solutions, FDAS project content and composition documentation.
5. Information Security Management Systems - Information security analysis and risk management, laws, standards and regulations related to the security of information systems and cyber security.
6. Hash functions, MD and SHA functions properties, use of hash functions in industry and public administration, using hash algorithms in SMART technologies possibilities.
7. Identity and Access Management (IAM) - Access control, directory systems, provisioning, IAM solution architecture, advanced identity management technologies, managing internet identities and approaches, the future of digital identities.
8. Ensuring Classified Information Protection - In the context of Act No. 412/2005 Coll., On the Protection of Classified Information and on Security Capability, classification sequences, types of protection measures and their definition.
9. Definition of Disaster Recovery - Its basic components, (readiness, protection, crisis management, recovery) and its use in relation to the protection of persons and property.
10. Surveillance and Alarm Receiving Centres - advantages and disadvantages of individual ways of connecting objects, basic surveillance and alarm reception centres requirement logistics and security, (connection possibilities, operational procedures, etc.).
11. Weapons, Defence and Protective Devices Systematisation - The terms of their type, purpose, principle of operation and principles of use by commercial security industry staff.
12. Commercial Security Industry Professional Defence - Commercial security industry conditions, laws, characteristics and forms of solution of professional defence solution forms, their relationship to the contemporary social and legal environment.
13. The OHSAS18001 Occupational Health and Safety Management System - principles, basic elements, OSH management requirements, OSH legislation, employers 'and employees' rights and obligations under the Labour Code.
14. OSH Management at the Enterprise Level - Management of organisations and health and safety in the workplace, basic approaches to risk assessment, risk analysis in the enterprise, legal requirements, professional competence and risk analysis, risk prevention.

15. Injuries and Occupational Diseases, Accidents at Work and Employers' Obligations - In terms of the accounting and reporting of occupational accidents, occupational diseases, their recognition, the publication of reports and records of employees with occupational diseases, transfers to other jobs.
16. Occupational Health and Safety Inspections - Company-level control, occupational health and safety, external control - state supervision, institutions, duties, sanctions.
17. International Law as the basis of International Security - Sources and subjects of international law, international relations theory, state security strategy types.
18. Basic International Security System Elements and Links - Security system tools, the main actors of international politics and security, international organisations.
19. Basic State, Public Administration Attributes and Functions - State public administration and self-government, the nature of decentralisation and delegated public administration powers.
20. State Administration in the Czech Republic - Its structure and function, self-government, regional, municipality, municipality with extended competence, municipality with authorised municipal offices administrative orders, e-government, purpose and systems.