Recommended study plan

Degree of higher education	**I. (Bachelor's study)**		
Name of the study program	**Management of security systems**		
Number and name of the field of study	**2 Safety and Security Sciences**		
Awarded academic title	**Bachelor (Bc.)**		
Study form	**full-time**	**3 years**	**6 semesters**
The person responsible for the implementation, development and quality of the study program	**Dr.h.c. prof. Ing. Josef Reitšpís, CSc., DBA, MSc.**		

I. year

Winter semester

Code	*Compulsory subjects*	*Number of credits*	*Range, evaluation*	*The person securing the subject*
83112130	**Theory of Security**	5	2-1, c, e	Ing. Peter Havaj, PhD., univ. assoc. prof.
83112010	**Fundamentals of Legal Theory and Constitutional Law**	5	2-1, c, e	Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS
83112301	Informatics	5	1-2, c, e	Ing. Pavol Lehotský
83112051	Management Statistics	5	1-2, c, e	Assoc. Prof. RNDr. František Olejník, CSc.
8311228	Introduction to Economy and Economics	4	1-2, c	Assoc. Prof. Ing. Martin Mašľan, PhD.
83112070	Fundamentals of Mechanical Engineering	4	1-2, c	Assoc. Prof. Ing. Karol Semrád, PhD.
8311239	History of Statehood	5	2-1, c, e	Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS
	In sum	**33**		

Code	*Compulsory elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
8311232	Foreign Language I.	2	0-2, c	Ing. Mária Kočiová
	In sum	**2**		

Code	*Elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
8311257	Fundamentals of Healthcare	4	2-1, c, e	Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD.
8311237	Physical Education I.	0	0-2, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
	In sum	**4**		

Summer semester

Code	*Compulsory subjects*	*Number of credits*	*Range*	*The person securing the subject*
8311231	Data Processing	5	1-2, c, e	Ing. Pavol Lehotský
83112091	Fundamentals of Civil Engineering	4	2-1, c	Prof. Ing. Vladimír Klimo, CSc.
8311224	Sociology and Psychology	5	2-1, c, e	PaedDr. Ivana Fedurcová, PhD.
83112060	Physics	5	1-2, c, e	Assoc. Prof. RNDr. František Olejník, CSc.
83112361	**Weapons and Explosives**	4	2-1, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
8311129	Basics of Business	4	0-2, c	Ing. Matúš Murajda, PhD.
8311208	Graphical Projection Methods	3	0-2, c	Assoc. Prof. Ing. Karol Semrád, PhD.
	In sum	**30**		

Code	*Compulsory elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
83112331	Foreign Language II.	2	0-2, c	Ing. Mária Kočiová
	In sum	**2**		

Code	*Elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
8311258	Prevention of Selected Diseases	4	2-1, c, e	Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD.
8311259	Health Risk Assessment	4	2-1, c, e	Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD.
83112374	Physical Education II.	0	0-2, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
	In sum	**8**		

II. year

Winter semester

Code	*Compulsory subjects*	*Number of credits*	*Range*	*The person securing the subject*
8311240	**Economic Interests Protection**	5	1-2, c, e	Assoc. Prof. Ing. Martin Mašľan, PhD.
83112021	**The Security of Work, Production and Life**	5	2-1, c, e	Assoc. Prof. Ing. Jozefína Palaiová, PhD.
8311218	**Theory of Risks**	5	2-1, c, e	Assoc. Prof. Ing. Karol Semrád, PhD.
83112201	**Integrated Security System**	5	2-1, c, e	Assoc. Prof. Ing. Jozefína Palaiová, PhD.
8311221	**Protection of Critical Infrastructure**	4	2-1, c	Prof. Ing. Josef Reitšpís, CSc.
83112101	Basics of Electrical Engineering	4	2-1, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
	In sum	**28**		

Code	*Elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
83112341	Foreign Language III.	2	0-2, c	Ing. Mária Kočiová
83112371	Physical Education III.	0	0-2, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
	In sum	**2**		

Summer semester

Code	*Compulsory subjects*	*Number of credits*	*Range*	*The person securing the subject*
83112141	**Safety Resources of Building Protection**	5	2-2, c, e	Ing. Peter Havaj, PhD., univ. assoc. prof.
83112111	**Environmentalism**	5	2-1, c, e	Assoc. Prof. Ing. Jozefína Palaiová, PhD.
8311227	**Project Management**	5	2-1, c, e	Prof. Ing. Josef Reitšpís, CSc.
8311216	**Semestral Project** • without profiling • **ISiAT** • **SoFOaC** • **ES** • **CS** • **SiTaTI** • **SiHaSW** • **SPfSS**	5	0-2, cc,	Prof. Ing. Josef Reitšpís, CSc. Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS Assoc. Prof. Ing. Martin Mašľan, PhD. JUDr. Mgr. Miloš Svrček, PhD. Prof. Ing. Peter Lošonczi, PhD. Ing. mult. Bohumil Šejnoha, PhD. Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD.

				PhDr. Tomáš Doležal, PhD.
83112121	**Security of Transport and Transport Infrastructure**	4	1-1, c, e	Assoc. Prof. Ing. Karol Semrád, PhD.
8311222	**Fire Protection**	4	1-1, c	Assoc. Prof. Ing. Jozefína Palaiová, PhD.
	In sum	**28**		

Code	*Elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
8311238	Survival in Heavy-Duty Conditions	2	60 hours, c	Ing. Peter Palko, PhD.
83112370	Physical Education IV.	0	0-2, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
83112350	Foreign Language IV.	2	0-2, c	Ing. Mária Kočiová
83112505	Integral Safety in Air Transport	3	1-1, c	Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS
8311250	Cyber Security	3	1-1, c	Prof. Ing. Peter Lošonczi, PhD.
83112502	Security of Financial Operations and Corruption	3	1-1, c	Assoc. Prof. Ing. Martin Mašľan, PhD.
83112503	Environmental Security	3	1-1, c	JUDr. Mgr. Miloš Svrček, PhD.
83112501	Security in Transport and Transport Infrastructure	3	1-1, c	Ing. mult. Bohumil Šejnoha, PhD.
83112506	Safety in Health and Social Work	3	1-1, c	Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD.
83112504	Special Pedagogy for Security Sciences	3	1-1, c	PhDr. Tomáš Doležal, PhD.
	In sum	**25**		

III. year

Winter semester

Code	*Compulsory subjects*	*Number of credits*	*Range*	*The person securing the subject*
83112031	**Criminal and Administrative Law**	5	2-1, c, e	Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS
83112151	**Private Security**	5	2-1, c, e	Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS
83112231	**Crime Prevention**	5	2-1, c, e	Prof. Ing. Peter Lošonczi, PhD.
8311225	Ethics of Security Services	4	1-1, c	PaedDr. Ivana Fedurcová, PhD.
8311226	**Practical Training Experience** • without profiling • **ISiAT** • **SoFOaC** • **ES** • **CS** • **SiTaTI** • **SiHaSW** • **SPfSS**	4	2 weeks / c	Prof. Ing. Josef Reitšpís, CSc. Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS Assoc. Prof. Ing. Martin Mašľan, PhD. JUDr. Mgr. Miloš Svrček, PhD. Prof. Ing. Peter Lošonczi, PhD. Ing. mult. Bohumil Šejnoha, PhD. Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD. PhDr. Tomáš Doležal, PhD.
8311219	**Computer and Communication Security**	5	1-2, c, e	Prof. Ing. Peter Lošonczi, PhD.
	In sum	**28**		

Code	*Elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
83112372	Physical Education V.	0	0-2, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
	In sum	**0**		

Summer semester

Code	*Compulsory subjects*	*Number of credits*	*Range*	*The person securing the subject*
8311217	**Management of Security Systems**	5	2-1, c, e	Prof. Ing. Josef Reitšpís, CSc.
8311241	**Bachelor's Thesis** • without profiling • **ISiAT** • **SoFOaC** • **ES** • **CS** • **SiTaTI** • **SiHaSW** • **SPfSS**	7	0-2, c	Prof. Ing. Josef Reitšpís, CSc. Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS Assoc. Prof. Ing. Martin Mašľan, PhD. JUDr. Mgr. Miloš Svrček, PhD. Prof. Ing. Peter Lošonczi, PhD. Ing. mult. Bohumil Šejnoha, PhD. Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD. PhDr. Tomáš Doležal, PhD. Supervisor of BT
83112041	**European Security**	4	2-0, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
	In sum	**16**		

Code	*Elective subjects*	*Number of credits*	*Range*	*The person securing the subject*
83112373	Physical Education VI.	0	0-2, c	Ing. Peter Havaj, PhD., univ. assoc. prof.
	In sum	**0**		

Profile subjects of the study program are highlighted in bold

Paths in education:

The student has the opportunity (not the obligation) to choose a path/trajectory in education - profiling when creating study plans. Using knowledge from compulsory and compulsory elective subjects, he develops his creative and practical skills in selected subjects:

- Integral Safety in air transport – the student's profiling focuses on the following areas of knowledge:
  - basic knowledge of operational procedures and standards in international aviation,
  - basic knowledge of air transport technologies,
  - knowledge of object and perimeter security systems used in airport operations,
  - regime and management procedures for the safe operation of airports,
  - security technologies for the inspection of persons and objects,
  - knowledge of the operation of border crossings in the Schengen area.

- Security of financial operations and corruption – the student's profiling focuses on the following areas of knowledge:
  - business basics,
  - basics of economics and economy,
  - ways of protecting economic interests,
  - economic security risks,
  - revealing and clarifying illegal economic activity,
  - offensive and defensive competitive intelligence,
  - fight against corruption.

- Environmental security – the student's profiling focuses on the following areas of knowledge and skills:
  - basic knowledge and overview of legislation related to the environment,
  - theoretical knowledge of environmental issues and related concepts,
  - knowledge in the field of pollution, degradation and protection of individual components of the environment,
  - knowledge in the field of environmental safety and environmental crimes,
  - knowledge in the field of environmental management - voluntary instruments (environmental policy, environmental management systems), environmental impact assessment, environmental labeling of products, organizations' approaches to the environment, etc.
  - basic knowledge of environmental risks, industrial accidents, natural disasters, hazardous substances,
  - basics of fire protection.

- Cyber security – the student's profiling focuses on the following areas of knowledge:
  - basic knowledge and overview of standards in the field of IT security (e.g. ISO 27001 – Information Security Management Systems, Data Security Standard),
  - basic overview of legislation (GDPR, Act on the Protection of Classified Information, Act on Information Technologies in Public Administration, Act on Electronic Signature, Act on Cybersecurity),
  - technical knowledge in the field of ICT and networking,
  - technical knowledge in the field of security (basics of cryptography, basic knowledge of attack techniques, virus protection and content filtering, basics of vulnerability management).

- Security in transport and transport infrastructure – the student's profiling focuses on the following areas of knowledge:
  - transport and transport infrastructure,
  - transport and transport protection,
  - revealing and clarifying illegal activity in transport,
  - traffic-engineering activities in the area of police activity,
  - critical infrastructure of the state – transport sector,
  - safety technologies for the protection of people and property in transport.

- Safety in health and social work – the student's profiling focuses on the following areas of knowledge:
  - basic knowledge and overview of healthcare and social work,
  - overview of the prevention of selected diseases from a safety perspective,
  - knowledge of safety risks in the social and healthcare field, including their assessment,
  - sociological and psychological knowledge applicable in healthcare and social work.

- Special pedagogy for security sciences – the student's profiling focuses on the following areas of knowledge:
  - tools of special pedagogy applicable in security forces,
  - approach and procedures in resocialization processes (ZVJS),
  - sociology and psychology in security processes,
  - training of security workers in the field of soft skills,
  - ethics of security services.

Study in profiling is mostly oriented towards thematic creative activity of the student, while it includes:

- work in small groups under the guidance of the head of profiling in selected subjects (semester project, professional practice, final thesis),
- according to the profile, a themed final thesis corresponding to the study program, field of study and degree of study,
- thematically related compulsory elective subject of the state exam.

For profiled studies, the student uses:

1. knowledge from compulsory subjects, the content and focus of which are directly related to the chosen profile and develops them in creative activity,

2. transferable knowledge, skills and competences acquired in the compulsory subjects of the bachelor's study program,
3. other training, certifications and qualifications that are related to profiling and are offered by the school or its partners as further education in the field of study. Learning outcomes achieved outside the university in domestic and foreign institutions are recognized by the university if their content is directly related to the educational activity in the subject of profiling and valid certification is generally accepted as the fulfillment of one of the learning outcomes (up to the credit level). The rules for this procedure are defined in the information sheet of a specific subject in the section "Conditions for completing the subject and method of assessment".

State final exam

Code	*Compulsory subjects*	*Number of credits*	*Range*	*Subject teacher*
8311242	**Security Technologies**	6		Commission
8311243	**Bachelor's Thesis Defence** • without profiling • **ISiAT** • **SoFOaC** • **ES** • **CS** • **SiTaTI** • **SiHaSW** • **SPfSS**	6		Commission
	In sum	**12**		

Code	*Compulsory elective subjects*	*Number of credits*	*Range*	*Subject teacher*
8311244	**Protection of Information and Communication Systems**	4		Commission
8311245	**Transport Security Systems**	4		Commission
8311246	**Persons and Property Fire Protection**	4		Commission
8311247	**Economic Instruments of Persons and Property Protection**	4		Commission
	In sum	**16**		

Note: The student chooses only one of the compulsory elective subjects of the state exam.

State examination (1st degree of higher education):

- Defense of the bachelor's thesis (abstract in a world language) in the range of 40-50 A4 pages, in which the graduate must demonstrate the ability to apply the acquired theoretical knowledge, skills and competences in solving practical problems of a security nature and solve them independently.
- The ability to solve assignments based on the expected application of the graduate is verified.
- The colloquial exam is used to verify the fulfillment of educational goals by acquiring and understanding the required knowledge, skills and competencies of the graduate, which were individually mastered in the form of learning outcomes during the course of study.

Other requirements:

- **The learning outcomes** (also marked as "**LO**") **and the related criteria and rules for their assessment** are listed in the individual subject information sheets in the "Learning outcomes" section and in the "Conditions for completing the subject and method of assessment" section.
- **Pre-requisites** and **co-requisites** are listed in the subject information sheets.
- **The educational activities used**, suitable for achieving the learning outcomes, are listed in the subject information sheets in the section "Conditions for completing the subject and method of assessment" for each learning outcome separately.
- **The method of education** is:

- attendance,
- distance,
- combined.

Technical means for online teaching (MS Teams and Moodle) are also used for individual education methods.

- **Syllabi** are available in the Moodle system (https://moodle.vsbm.sk).
- **The student's workload** is defined in the so-called Subject plans for individual subjects separately. The workload depends on the number of credits and is budgeted for lectures, seminars, projects, and independent study in order to fulfill ECTS rules (EHEA).
- **Credits** are assigned to each subject separately. The share of profile subjects is as follows:

Profile subjects of the study program in total	134 credits
Other subjects of the study program in total	100 credits
In sum	234 credits
Coverage of the core of the field of study with profile subjects	57.26 %

- **Persons securing subjects with contact details**:

the person securing the subject	*subjects*	*Contact and link to CRZVŠ*
PhDr. Tomáš Doležal, PhD.	Special Pedagogy for Security Sciences Semestral Project – Profile Practical Training Experience – Profile	Tel.: 055 / 720 10 70 Košťova 1, room 212 e-mail: tomas.dolezal@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/72541
PaedDr. Ivana Fedurcová, PhD.	Sociology and Psychology Ethics of Security Services	Tel.: 055 / 720 10 76 Košťova 1, room 307 e-mail: ivana.fedurcova@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/6663
Ing. Peter Havaj, PhD., univ. assoc. prof.	Basics of Electrical Engineering Safety Resources of Building Protection Theory of Security Weapons and Explosives European Security Physical Education	Tel.: 055 / 720 10 70 Košťova 1, room 209 e-mail: peter.havaj@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/14206
Prof. MUDr. PhDr. Ing. Peter Kalanin, PhD.	Fundamentals of Healthcare Prevention of Selected Diseases Health Risk Assessment Safety in Health and Social Work Semestral Project – Profile Practical Training Experience – Profile	Tel.: 055 / 720 10 76 Košťova 1, room 205 e-mail: peter.kalanin@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/15135
Prof. Ing. Vladimír Klimo, CSc.	Fundamentals of Civil Engineering Fundamentals of Mechanical Engineering Graphical Projection Methods	Tel.: 055 / 720 10 76 Košťova 1, room 306 e-mail: vladimir.klimo@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/14171

Assoc. Prof. JUDr. Štefan Kočan, PhD.	Fundamentals of Legal Theory and Constitutional Law Criminal and Administrative Law Crime Prevention Theory of Security	Tel.: 055 / 720 10 71 Košťova 1, room 315 e-mail: stefan.kocan@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/4
Ing. Mária Kočiová	Foreign Language I. Foreign Language II. Foreign Language III. Foreign Language IV.	Tel.: 055 / 720 10 76 Košťova 1, room 303 e-mail: maria.kociova@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/61550
Ing. Pavol Lehotský	Informatics Data Processing Computer and Communication Security Cyber Security	Tel.: 055 / 720 10 70 Košťova 1, room 203 e-mail: pavol.lehotsky@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/85917
Prof. Ing. Peter Lošonczi, PhD.	Cyber Security Computer and Communication Security Crime Prevention Semestral Project – Profile Practical Training Experience – Profile Informatics Data Processing	Tel.: 055 / 720 10 75 Košťova 1, room 320b e-mail: peter.losonczi@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/14199
Assoc. Prof. Ing. Martin Mašľan, PhD.	Introduction to Economy and Economics Economic Interests Protection Security of Financial Operations and Corruption Semestral Project – Profile Practical Training Experience – Profile	Tel.: 055 / 720 10 70 Košťova 1, room 204 e-mail: martin.maslan@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/14174
Academician Prof. mult. Dr. mult. Ing. Marián Mesároš, DrSc., NS	Fundamentals of Legal Theory and Constitutional Law History of Statehood Private Security Integral Safety in Air Transport Semestral Project – Profile Practical Training Experience – Profile	Tel.: 055 / 720 10 71 Košťova 1, room 101 e-mail: vsbm@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/14168
Ing. Matúš Murajda, PhD.	Basics of Business Economic Interests Protection	Tel.: 055 / 720 10 70 Košťova 1, room 211 e-mail: matus.murajda@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/85918
Assoc. Prof. RNDr. František Olejník, CSc.	Management Statistics Physics Basics of Electrical Engineering	Tel.: 055 / 720 10 76 Košťova 1, room 305 e-mail: frantisek.olejnik@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/2805

Assoc. Prof. Ing. Jozefína Palaiová, PhD.	The Security of Work, Production and Life Integrated Security System Environmentalism Fire Protection	Tel.: 055 / 720 10 70 Košťova 1, room 220 e-mail: jozefina.palaiova@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/14155
Ing. Peter Palko, PhD.	Weapons and Explosives Survival in Heavy-Duty Conditions Physical Education	Tel.: 055 / 720 10 70 Košťova 1, room 210 e-mail: peter.palko@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/14172
Prof. Ing. Josef Reitšpís, CSc.	Protection of Critical Infrastructure Management of Security Systems Project Management Semestral Project Practical Training Experience	Tel.: 055 / 720 10 70 Košťova 1, room 312 e-mail: josef.reitspis@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/9562
Assoc. Prof. Ing. Karol Semrád, PhD.	Theory of Risks Security of Transport and Transport Infrastructure Fundamentals of Mechanical Engineering Graphical Projection Methods	Tel.: 055 / 720 10 76 Košťova 1, room 304 e-mail: karol.semrad@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/1913
JUDr. Mgr. Miloš Svrček, PhD.	Environmental Security Semestral Project – Profile Practical Training Experience – Profile	Tel.: 055 / 720 10 70 Košťova 1, room 206 e-mail: milos.svrcek@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/22209
Ing. mult. Bohumil Šejnoha, PhD.	Security in Transport and Transport Infrastructure Semestral Project – Profile Practical Training Experience – Profile	Tel.: 055 / 720 10 71 Košťova 1, room 104 e-mail: bohumil.sejnoha@vsbm.sk CRZVŠ: https://www.portalvs.sk/regzam/detail/42221

- **Subject teachers** (2 for each subject) are listed in the subject information sheets,
- **The place of study subjects** is at the headquarters of the college at the address Košťova 1, except for:
  - Subject *Practical Training Experience* – it is carried out in the relevant organization,
  - Subject *Survival in Heavy-Duty Conditions*