

## Recommended study plan

Degree of higher education	<b>I. (Bachelor's study)</b>		
Name of the study program	<b>Management of security systems</b>		
Number and name of the field of study	<b>2 Safety and Security Sciences</b>		
Awarded academic title	<b>Bachelor (Bc.)</b>		
Study form	<b>part-time</b>	<b>3 years</b>	<b>6 semesters</b>
The person responsible for the implementation, development and quality of the study program	<b>Prof. Ing. Josef Reitšpís, PhD.</b>		

### *I. year*

#### **Winter semester**

<i>Code</i>	<i>Compulsory subjects</i>	<i>Number of credits</i>	<i>Range, evaluation</i>	<i>The person securing the subject</i>
831 1 2 05	Mathematics	5	1-2, c, e	Assoc. Prof. RNDr. František Olejník, PhD.
831 1 2 010	Fundamentals of Legal Theory and Constitutional Law	5	2-1, c, e	JUDr. Štefan Jakabovič, PhD.
831 1 2 24	Sociology and Psychology	5	2-1, c, e	PaedDr. Ivana Fedurcová, PhD.
831 1 2 130	<b>Theory of Security</b>	5	2-1, c, e	Assoc. Prof. JUDr. Štefan Kočan, PhD.
831 1 2 28	<b>Introduction to Economy and Economics</b>	4	1-2, c	Assoc. Prof. Ing. Martin Mašľan, PhD.
831 1 2 070	Fundamentals of Mechanical Engineering	4	1-2, c	Prof. Ing. Vladimír Klimo, PhD.
831 1 2 39	History of Statehood	2	2-0, c	Prof. Ing. Vladimír Klimo, PhD.
	<b>In sum</b>	<b>30</b>		

<i>Code</i>	<i>Compulsory elective subjects</i>	<i>Number of credits</i>	<i>Range</i>	<i>The person securing the item</i>
831 1 2 32	Foreign Language I.	2	0-2, c	Mgr. Natália Töröková
	<b>In sum</b>	<b>2</b>		

<i>Code</i>	<i>Elective subjects</i>	<i>Number of credits</i>	<i>Range</i>	<i>The person securing the item</i>
831 1 2 37	Physical Education I.	0	0-2, c	Ing. Peter Havaj, PhD.
	<b>In sum</b>	<b>0</b>		

#### **Summer semester**

<i>Code</i>	<i>Compulsory subjects</i>	<i>Number of credits</i>	<i>Range</i>	<i>The person securing the item</i>
831 1 2 31	<b>Data Processing</b>	5	1-2, c, e	Ing. Radoslav Šulej, PhD.
831 1 2 091	Fundamentals of Civil Engineering	4	2-1, c	Prof. Ing. Vladimír Klimo, PhD..
831 1 2 301	<b>Informatics</b>	5	1-2, c, e	Ing. Radoslav Šulej, PhD.
831 1 2 060	Physics	5	1-2, c, e	Assoc. Prof. RNDr. František Olejník, PhD.
831 1 2 361	Weapons and Explosives	4	2-1, c	Ing. Peter Palko, PhD.
831 1 1 29	<b>Basics of Business</b>	4	0-2, c	Assoc. Prof. Ing. Martin Mašľan, PhD.
831 1 2 08	Graphical Projection Methods	3	0-2, c	Prof. Ing. Vladimír Klimo, PhD.
	<b>In sum</b>	<b>30</b>		

Code	Compulsory elective subjects	Number of credits	Range	The person securing the item
831 1 2 331	Foreign Language II.	2	0-2, c	Mgr. Natália Töröková
	<b>In sum</b>	<b>2</b>		

Code	Elective subjects	Number of credits	Range	The person securing the item
831 1 2 374	Physical Education II.	0	0-2, c	Ing. Peter Havaj, PhD.
	<b>In sum</b>	<b>0</b>		

## II. year

### Winter semester

Code	Compulsory subjects	Number of credits	Range	The person securing the item
831 1 2 40	<b>Economic Interests Protection</b>	5	1-2, c, e	Prof. Igor Britchenko, DSc .
831 1 2 021	The Security of Work, Production and Life	5	2-1, c, e	Ing. Zuzana Gedeonová, PhD.
831 1 2 18	<b>Theory of Risks</b>	5	2-1, c, e	Prof. Ing. Josef Reitšpís, PhD.
831 1 2 201	<b>Integrated Security System</b>	5	2-1, c, e	Assoc. Prof. Ing. Jozefína Drotárová, PhD.
831 1 2 21	<b>Protection of Critical Infrastructure</b>	4	2-1, c	Prof. Ing. Josef Reitšpís, PhD.
831 1 2 101	Basics of Electrical Engineering	4	2-1, c	Ing. Peter Havaj, PhD.
	<b>In sum</b>	<b>28</b>		

Code	Selective subjects	Number of credits	Range	The person securing the item
831 1 2 341	Foreign Language III.	2	0-2, c	Mgr. Natália Töröková
831 1 2 371	Physical Education III.	0	0-2, c	Ing. Peter Havaj, PhD.
	<b>In sum</b>	<b>2</b>		

### Summer semester

Code	Compulsory subjects	Number of credits	Range	The person securing the item
831 1 2 141	<b>Safety Resources of Building Protection</b>	5	2-2, c, e	Assoc. Prof. Ing. Peter Lošonczi, PhD.
831 1 2 111	<b>Environmentalism</b>	5	2-1, c, e	Assoc. Prof. Ing. Jozefína Drotárová, PhD.
831 1 2 27	<b>Project Management</b>	5	2-1, c, e	Prof. Ing. Josef Reitšpís, PhD.
831 1 2 16	<b>Semestral Project</b> <ul style="list-style-type: none"> <li>• without profiling</li> <li>• <b>SFOaC</b> <ul style="list-style-type: none"> <li>• <b>ES</b></li> <li>• <b>CS</b></li> <li>• <b>STaTI</b></li> </ul> </li> </ul>	5	0-2, cc	Prof. Ing. Josef Reitšpís, PhD. Prof. Igor Britchenko, DSc. Assoc. Prof. Ing. Jozefína Drotárová, PhD. Assoc. Prof. Ing. Peter Lošonczi, PhD. Prof. Ing. Marián Mesároš, DrSc.
831 1 2 121	<b>Security of Transport and Transport Infrastructure</b>	4	1-1, c, e	Prof. Ing. Marián Mesároš, DrSc.
831 1 2 22	<b>Fire Protection</b>	4	1-1, z	Assoc. Prof. Ing. Jozefína Drotárová, PhD.
	<b>In sum</b>	<b>28</b>		

Code	Elective subjects	Number of credits	Range	The person securing the item
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831 1 2 38	Survival in Heavy-Duty Conditions	2	60 hours c,	Ing. Peter Palko, PhD.
831 1 2 370	Physical Education IV.	0	0-2, c	Ing. Peter Havaj, PhD.
831 1 2 350	Foreign Language IV.	2	0-2, c	Mgr. Natália Töröková
	<b>In sum</b>	<b>4</b>		

### III. year

#### Winter semester

Code	Compulsory subjects	Number of credits	Range	The person securing the item
831 1 2 031	<b>Criminal and Administrative Law</b>	5	2-1, c, e	Assoc. Prof. JUDr. Štefan Kočan, PhD.
831 1 2 151	<b>Private Security</b>	5	2-1, c, e	Prof. Ing. Marián Mesároš, DrSc.
831 1 2 231	<b>Crime Prevention</b>	5	2-1, c, e	Assoc. Prof. JUDr. Štefan Kočan, PhD.
831 1 2 25	Ethics of Security Services	4	1-1. c	PaedDr. Ivana Fedurcová, PhD.
831 1 2 26	<b>Practical training experience</b> <ul style="list-style-type: none"> <li>• without profiling</li> <li>• <b>SFOaC</b></li> <li>• <b>ES</b></li> <li>• <b>CS</b></li> <li>• <b>STaTI</b></li> </ul>	4	2 weeks	Prof. Ing. Josef Reitšpís, PhD. Prof. Igor Britchenko, DSc. Assoc. Prof. Ing. Jozefína Drotárová, PhD. Assoc. Prof. Ing. Peter Lošonczi, PhD. Prof. Ing. Marián Mesároš, DrSc.
831 1 2 19	<b>Computer and Communication Security</b>	5	1-2, c, e	Assoc. Prof. Ing. Peter Lošonczi, PhD.
	<b>In sum</b>	<b>28</b>		

Code	Selective subjects	Number of credits	Range	The person securing the item
831 1 2 372	Physical Education V.	0	0-2, c	Ing. Peter Havaj, PhD.
	<b>In sum</b>	<b>0</b>		

#### Summer semester

Code	Mandatory subjects	Number of credits	Range	The person securing the item
831 1 2 17	<b>Management of Security Systems</b>	5	2-1, c, e	Prof. Ing. Josef Reitšpís, PhD.
831 1 2 41	<b>Bachelor's Thesis</b> <ul style="list-style-type: none"> <li>• without profiling</li> <li>• <b>SFOaC</b></li> <li>• <b>ES</b></li> <li>• <b>CS</b></li> <li>• <b>STaTI</b></li> </ul>	7	0-2, c	Assoc. Prof. Ing. Peter Lošonczi, PhD. Prof. Igor Britchenko, DSc. Assoc. Prof. Ing. Jozefína Drotárová, PhD. Assoc. Prof. Ing. Peter Lošonczi, PhD. Prof. Ing. Marián Mesároš, DrSc. Head of BT
831 1 2 041	<b>European security</b>	4	2-0, c	Assoc. Prof. JUDr. Štefan Kočan, PhD.
	<b>In sum</b>	<b>16</b>		

Code	Elective subjects	Number of credits	Range	The person securing the item
831 1 2 373	Physical Education VI.	0	0-2, c	Ing. Peter Havaj, PhD.
	<b>In sum</b>	<b>0</b>		

## 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 optional subjects, he develops his creative and practical skills in selected subjects:

- Security of financial operations and corruption - the student is profiled in the area of the following knowledge:
  - business basics
  - basics of economics and economics
  - ways of protecting economic interests
  - economic security risks,
  - revealing and clarifying illegal economic activity,
  - offensive and defensive competitive intelligence,
  - fight against corruption.
- The environmental security student is profiled in the area of the following 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 security and crimes against the environment
  - technical skill and ability to search for relevant data in connection with the environment and work with relevant information systems and databases
  - knowledge in the field of environmental management - voluntary tools (environmental policy, environmental management systems), assessment of environmental impacts, environmental labeling of products, approaches of organizations to the environment, etc.
  - basic knowledge of environmental risks, industrial accidents, natural disasters, hazardous substances
  - basics of fire protection.
- Cyber security - the student is profiled in the area of the following knowledge:
  - Basic knowledge and overview of IT security standards. (ISO27001- Information Security Management Systems, ISO22301 - Business Continuity Management, PCI DSS - Payment card Industry, Data Security Standard)
  - Basic overview of legislation (GDPR, Act on the Protection of Confidential Information, Act on Information Technologies in Public Administration, Act on Electronic Signatures, Act on Cyber Security)
  - Technical knowledge in the field of ICT (OS Windows, OS Linux (control of the architecture of the given OS),
  - Networking (introduction to the network, routing and switching , knowledge of communication protocols TCP/IP, firewall, IDS/IPS),
  - Technical knowledge in security (fundamentals of cryptography (PKI), knowledge base of attack techniques, virus protection and content filtering, basics of vulnerability management (VMS)).
- Security in transport and transport infrastructure - the student profiles himself in the area of the following 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.

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 optional 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. Alternatively, 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. The results of this education 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 educational outcomes (up to the credit level). The rules for this procedure are defined in the information sheet of a specific subject in the section of conditions for passing the subject.

### ***State final exam***

<i>Code</i>	<i>Mandatory subjects</i>	<i>Number of credits</i>	<i>Range</i>	<i>Subject teacher</i>
831 1 2 42	<b>Security Technologies</b>	6		Commission
831 1 2 43	<b>Bachelor's Thesis Defence</b> <ul style="list-style-type: none"> <li>• without profiling</li> <li>• SFOaC</li> <li>• ES</li> <li>• CS</li> <li>• STaTI</li> </ul>	6		Commission
	<b>In sum</b>	<b>12</b>		

<i>Code</i>	<i>Compulsory elective subjects</i>	<i>Number of credits</i>	<i>Range</i>	<i>Subject teacher</i>
831 1 2 44	<b>Protection of Information and Communication Systems</b>	4		Commission
831 1 2 45	<b>Transport Security Systems</b>	4		Commission
831 1 2 46	<b>Persons and Property Fire Protection</b>	4		Commission
831 1 2 47	<b>Economic Instruments of Persons and Property Protection</b>	4		Commission
	<b>In sum</b>	<b>16</b>		

**Note:** The student chooses only one of the mandatory optional subjects of the state exam.

### ***State examination (1st degree of higher education):***

- Defense of the bachelor's thesis (abstract in English) 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 educational outputs 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 "Education outcomes" section and in the "Subject completion conditions" section.
- **Pre-requisites** and **co-requisites** are listed in the subject information sheets,

- **The educational activities used** , suitable for achieving the educational outcomes, are listed in the subject information sheets in the section "Conditions for passing the subject" for each educational outcome separately,
- **The method of education** is:
  - o attendance,
  - o Distance
  - o 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	115 credits
Other subjects of the study program in total	83 credits
In sum	198 credits
Covering the core of the field of study with profile subjects of ŠP	58.08%

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

<i>the person securing the item</i>	<i>subjects</i>	<i>Contact and link to CRZVŠ</i>
Prof. Igor Britchenko, DSc.	Economic Interests Protection Semestral Project Practical Training Experience Bachelor's Thesis	Tel.: 055 / 720 56 11 Košťova 1, door number: 109 e-mail: <a href="mailto:igor.britchenko@vsbm.sk">igor.britchenko@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/44787">https://www.portalvs.sk/regzam/detail/44787</a>
Assoc. Prof. Ing. Jozefína Drotárová, PhD.	Integrated Security System Environmentalism Semestral Project Fire Protection Practical Training Experience Bachelor's Thesis	Tel.: 055 / 727 43 23 Košťova 1, door number: 101D e-mail: <a href="mailto:jozefina.drotarova@vsbm.sk">jozefina.drotarova@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/14155">https://www.portalvs.sk/regzam/detail/14155</a>
PaedDr. Ivana Fedurcová, PhD.	Sociology and Psychology Ethics of Security Services	Tel. : 055 / 727 56 14 Košťova 1, door number: 101A e-mail: <a href="mailto:ivana.fedurcova@vsbm.sk">ivana.fedurcova@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/6663">https://www.portalvs.sk/regzam/detail/6663</a>
Ing. Zuzana Gedeónová, PhD.	The Security of Work, Production and Life	Tel.: 055 / 727 43 23 Košťova 1, door number: 101C e-mail: <a href="mailto:zuzana.gedeonova@vsbm.sk">zuzana.gedeonova@vsbm.sk</a> CRZVŠ:
JUDr. Štefan Jakobovič, PhD.	Fundamentals of Legal Theory and Constitutional Law	Tel.: 055 / 727 43 16 Košťova 1, door number: 108 e-mail: <a href="mailto:stefan.jakabovic@vsbm.sk">stefan.jakabovic@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/26617">https://www.portalvs.sk/regzam/detail/26617</a>
Ing. Peter Havaj, PhD.	Basics of Electrical Engineering Physical Education I. Physical Education II. Physical Education III. Physical Education IV. Physical Education V. Physical Education VI.	Tel.: 055 / 720 56 17 Košťova 1, door number: 106 e-mail: <a href="mailto:peter.havaj@vsbm.sk">peter.havaj@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/14206">https://www.portalvs.sk/regzam/detail/14206</a>

Prof. Ing. Vladimír Klimo, PhD.	Fundamentals of Mechanical Engineering Fundamentals of Civil Engineering History of Statehood Graphical Projection Methods	Tel.: 055 / 720 56 12 Košťova 1, door number: 209A e-mail: <a href="mailto:vladimir.klimo@vsbm.sk">vladimir.klimo@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/14171">https://www.portalvs.sk/regzam/detail/14171</a>
Assoc. Prof. JUDr. Štefan Kočan, PhD.	Criminal and Administrative Law Crime Prevention Theory of Security European Security	Tel.: 055 / 72 010 71 Košťova 1, door number: 002 e-mail: <a href="mailto:stefan.kocan@vsbm.sk">stefan.kocan@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/4">https://www.portalvs.sk/regzam/detail/4</a>
Assoc. Prof. Ing. Peter Lošonczy, PhD.	Safety Resources of Building Protection Computer and Communication Security Semestral Project Practical Training Experience Bachelor's Thesis	Tel. no.: 055 / 720 10 74 Košťova 1, door number: 202 e-mail: <a href="mailto:peter.losonczy@vsbm.sk">peter.losonczy@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/14199">https://www.portalvs.sk/regzam/detail/14199</a>
Assoc. Prof. Ing. Martin Mašľan, PhD.	Introduction to Economy and Economics Basics of Business	Tel. no.: 055 / 720 56 11 Košťova 1, door number: 110 e-mail: <a href="mailto:martin.maslan@vsbm.sk">martin.maslan@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/14174">https://www.portalvs.sk/regzam/detail/14174</a>
Prof. Ing. Marián Mesároš, DrSc.	Security of Transport and Transport Infrastructure Private Security Semestral Project Practical Training Experience Bachelor's Thesis	Tel.: 055 / 72 010 77 Košťova 1, door number: 001 e-mail: <a href="mailto:vsbm@vsbm.sk">vsbm@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/14168">https://www.portalvs.sk/regzam/detail/14168</a>
Assoc. Prof. RNDr. František Olejník, PhD.	Mathematics Physics	Tel.: 055 / 720 56 13 Košťova 1, door number: 210 e-mail: <a href="mailto:frantisek.olejnik@vsbm.sk">frantisek.olejnik@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/2805">https://www.portalvs.sk/regzam/detail/2805</a>
Ing. Peter Palko, PhD.	Weapons and Explosives Survival in Heavy- Duty Conditions	Tel.: 055 / 727 43 15 Košťova 1, door number: 106 e-mail: <a href="mailto:peter.palko@vsbm.sk">peter.palko@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/14172">https://www.portalvs.sk/regzam/detail/14172</a>
Prof. Ing. Josef Reitšpís, PhD.	Theory of Risks Protection of Critical Infrastructure Management of Security Systems Project Management Semestral Project Practical Training Experience	Tel.: 055 / 727 43 18 Košťova 1, door number: 205 e-mail: <a href="mailto:josef.reitispis@vsbm.sk">josef.reitispis@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/9562">https://www.portalvs.sk/regzam/detail/9562</a>
Ing. Radoslav Šulej, PhD.	Informatics Data Processing	Tel.: 055 / 720 10 72 Košťova 1, door number: 101A e-mail: <a href="mailto:radoslav.sulej@vsbm.sk">radoslav.sulej@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/2806">https://www.portalvs.sk/regzam/detail/2806</a>
Mgr. Natália Töröková	Foreign Language I. Foreign Language II. Foreign Language III. Foreign Language IV.	Tel.: 055/720 56 16 Košťova 1, door number: 202 e-mail: <a href="mailto:natalia.torokova@vsbm.sk">natalia.torokova@vsbm.sk</a> CRZVŠ: <a href="https://www.portalvs.sk/regzam/detail/38601">https://www.portalvs.sk/regzam/detail/38601</a>

- **Subject teachers** are listed in 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,
- the subject *Survival in Heavy-Duty Conditions* - it is carried out in the Training Center for Survival in Difficult Conditions Kysak - purpose-built workplace of USM ([https://www.vsbm.sk/vycvikove\\_centrum.html](https://www.vsbm.sk/vycvikove_centrum.html)).