Recommended study plan

KB_Bc_D - Cybersecurity

Academic year	**2023/2024**
Form of study	**Full time**
Study grade	**Bachelor**
Study programme	**2508712D_sk - KB_Bc_D_sk Cybersecurity**

	C	OE	V	Together
1st year WT	8/30/25	0/0/0	1/2/2	9/32/27
1st year ST	7/31/24	0/0/0	0/0/0	7/31/24
2nd year WT	5/30/22	0/0/0	0/0/0	5/30/22
2nd year ST	4/24/17	3/18/13	0/0/0	7/42/30
3rd year WT	4/24/20	4/24/16	0/0/0	8/48/36
3rd year ST	4/30/22	0/0/0	0/0/0	4/30/22
Courses	32	7	1	40
Credits	169	42	2	213

1st year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26000889	Introduction to Physics	Credit test (Z-%)	2	V		-	-	2	-	-	-	-	-	-	
26001233	FEI - Language 1	Credit test (Z-U)	2	C		-	2	-	-	-	-	-	-	-	absolvovanie predmetu je podmienka postupu do LS
26000629	Fundamentals of Algorithms and Programming	Credit test and examination (ZS)	5	C	PP	3	-	-	2	-	-	-	-	-	
2607333	Fundamentals of Electrical Engineering	Graded credit test (KZ)	5	C		2	-	2	-	-	-	-	-	-	
26000618	Fundamentals of Materials Engineering	Credit test and examination (ZS)	5	C		2	1	-	1	-	-	-	-	-	
26000824	Introduction to Engineering	Credit test (Z-U)	3	C		-	2	-	-	-	-	-	-	-	
26001210	Mathematics I	Graded credit test (KZ)	6	C		2	-	2	-	-	-	-	-	-	
26001218	Physical Education I.	Credit test (Z-U)	1	C		-	-	-	2	-	-	-	-	-	
26000888	Repetition of Mathematics	Credit test (Z-U)	3	C		2	-	-	-	-	-	-	-	-	

In period from 1st year WT to 1st year WT is necessary to sign on 8 courses.
In period from 1st year WT to 1st year WT is necessary to sign on 8 C courses.
In period from 1st year WT to 1st year WT for enrolment to the next period is necessary to pass successfully courses for 18 credits.

1st year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26001022	Computer engineering and secure hardware	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26001020	Cybersecurity	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	

26001234	FEI - Language 2	Credit test (Z-U)	2	C		-	2	-	-	-	-	-	-	-	absolvovanie predmetu je podmienka postupu do ďalšieho obdobia štúdia
26001211	Mathematics II	Graded credit test (KZ)	6	C		2	-	2	-	-	-	-	-	-	
26001210	*Mathematics I*	*prerequisite*	*6*												
26001219	Physical Education II.	Credit test (Z-U)	1	C		-	-	-	2	-	-	-	-	-	
26000071	Physics	Credit test and examination (ZS)	5	C		2	-	2	-	-	-	-	-	-	
2607391	Programming	Graded credit test (KZ)	5	C	PP	2	-	-	2	-	-	-	-	-	

In period from 1st year WT to 1st year ST for enrolment to the next period is necessary to pass successfully courses for 36 credits.
In period from 1st year ST to 1st year ST is necessary to sign on 7 courses.
In period from 1st year ST to 1st year ST is necessary to sign on 7 C courses.
In period from 1st year ST to 1st year ST for enrolment to the next period is necessary to pass successfully courses for 18 credits.

2nd year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26001024	Data structures and algorithms in secure software	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
2619611	Discrete Mathematics	Credit test and examination (ZS)	6	C		3	1	2	-	-	-	-	-	-	
26001210	*Mathematics I*	*prerequisite*	*6*												
2607971	Object-Oriented Programming	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26001023	Operating systems and cybersecurity	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26001003	Security management	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	

In period from 2nd year WT to 2nd year WT is necessary to sign on 5 courses.
In period from 2nd year WT to 2nd year WT is necessary to sign on 5 C courses.

2nd year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26000633	Component Programming	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26001004	Cryptography Basics	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26001025	Database systems and their security	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26000634	Formal Languages	Credit test and examination (ZS)	6	OE	PP	3	-	-	2	-	-	-	-	-	

26001221	Numerical Mathematics, Probability Theory and Statistics	Graded credit test (KZ)	6	C		3	-	-	2	-	-	-	-	-	
26001211	*Mathematics II*	*prerequisite*	*6*												
2617591	Programming in .NET environment	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26001026	Security of computer networks	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	

In period from 2nd year ST to 2nd year ST for enrolment to the next period is necessary to pass successfully courses for 18 credits.
In period from 2nd year WT to 2nd year ST for enrolment to the next period is necessary to pass successfully courses for 36 credits.
In period from 2nd year ST to 2nd year ST is necessary to sign on 5 courses.
In period from 2nd year ST to 2nd year ST is necessary to sign on 4 C courses, 1 OE course.

3rd year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26001018	Bachelor Project	Graded credit test (ZP-KZ)	6	C	PP	-	2	-	-	6	-	-	-	-	
26001030	CCNA Security	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26001026	*Security of computer networks*	*prerequisite*	*6*												
26001027	Computer network security applications	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26001026	*Security of computer networks*	*prerequisite*	*6*												
26001005	Industrial and System Security	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26000638	Internet of Things and Smart Devices	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26001223	Smart Systems in Cybersecurity	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26000636	Software Projects Management	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000637	User interfaces and user experience	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	

In period from 3rd year WT to 3rd year WT is necessary to sign on 5 courses.
In period from 3rd year WT to 3rd year WT is necessary to sign on 4 C courses, 1 OE course.

3rd year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26001029	Asembler for Reverse Engineering	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26001006	Legal issues of cyber security	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
29000888	Social sciences and technology	Graded credit test (KZ)	6	C		-	2	-	-	-	-	-	-	-	

In period from 3rd year ST to 3rd year ST is necessary to sign on 4 courses.
In period from 3rd year ST to 3rd year ST is necessary to sign on 4 C courses.
In period from 1st year WT to 3rd year ST for study completion is necessary to pass successfully courses for 180 credits.

State examination courses

#	Code	Course	Completion	Credits	Type	Profilový predmet	Faculty
1	26001017	Bachelor Thesis	State examination - Thesis Defence for 1st and 2nd Degree (ŠSO 1,2.st)	12	C	PP	FEI
	26001018	*Bachelor Project*	*prerequisite*	*6*			

Explanatory:

Course type:
C - compulsory courses, OE - obligatory elective courses, V - voluntary courses

Hours grant
P - Lecture, S - Seminar, CN - Numerical exercises, CL - Laboratory exercise, PP - Project work, A - Studio, ST - Internship, E - Excursion, OP - Specialistic practice

Druh profilového predmetu
PP = Profilový predmet, DPP = Ďalší profilový predmet

Course completion
Credit test (Z-U) - Credit test, Graded credit test (KZ) - Graded credit test, Credit test and examination (ZS) - Credit test and examination, Credit test (Z-%) - Credit test, Graded credit test (ZP-KZ) - Graded credit test

Prerequisite courses in italics are shown. before the courses with a prerequisite you must successfully complete the prescribed prerequisites.

Summary table
X/Y/Z - X(total courses)/Y(Number of credits)/Z(total hours)