Study Programme:	**Information Technologies**
Specialization:	**Cyber Security**
Form of Studies:	**Full-time**
Academic Year:	**2021/2022**

1st Year Mgr.

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE7LB	**Information Security Legislation**	*Jašek Roman*	2	0	0	z, zk	4					
AE7PS	**Computer Network Operation**	*Vojtěšek J., Matýsek M.*	2	0	2	z, zk	4					
AE7AK	**Applied Cryptology**	*Jašek R., Oulehla M.*	2	0	2	kl	4					
AE7MT	**Mobile Technologies**	*Vala Radek*	1	0	2	kl	3					
AE7SU	**Machine Learning**	*Komínková Oplatková Zuzana*	2	0	2	z, zk	4					
AE7MS	**Mathematical Statistics**	*Chramcov B., Fajkus M.*	2	2	0	z, zk	4					
AE7PV	**Computer Viruses and Security**	*Malaník D., Králík L.*	1	0	2	kl	4					
AE7A1	**Professional English 1**	*Outěřická Tereza*	0	2	0	kl	3					
AE8A2	**Professional English 2**	*Outěřická Tereza*						0	2	0	z, zk	4
AE8GI	**Geografic Information Systems**	*Vašek Lubomír*						1	0	2	kl	3
AE8BO	**Security of Operation Systems**	*Sysel M., Oulehla M.*						2	0	2	z, zk	4
AE8BK	**Security in Communications Networks**	*Malaník David*						1	0	2	z, zk	4
AE8UN	**Artificial Neural Networks**	*Komínková Oplatková Zuzana*						2	0	2	z, zk	4
AE8MI	**Mathematical Informatics**	*Šenkeřík Roman*						2	2	0	z, zk	4
AE8ZS	**Signal Processing**	*Kubalčík Marek*						2	1	0	kl	4
AE8PO	**Advanced Programming**	*Vařacha Pavel*						0	0	3	kl	3
	Total		**26**				**30**	**26**				**30**

Code	Compulsory subjects	Tutors	Winter semester			Summer semester		
AE7PR	**Professional Placement**	*Jašek R. **)*	120		z	5	120	z	5

**) The Professional Placement subject (i.e. 120 hours work) can be fulfilled during any semester of their follow-up studies

Attachments can be found on the FAI website at: Student FAI / Výuka / Studijní plány - https://fai.utb.cz/student/vyuka/studijni-plany/

Study Programme:	**Information Technologies**
Specialization:	**Cyber Security**

2nd Year Mgr.

Form of Studies: **Full-time**
Academic Year: **2021/2022**

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE9EV	**Evolutionary Computating**	*Šenkeřík Roman*	2	0	2	z, zk	5					
AE9FA	**Forensic Analysis**	*Malaník David*	2	0	2	z,zk	5					
AE9BI	**Security of Information Systems**	*Jašek Roman*	2	0	2	z, zk	5					
AE9PT	**Advanced Mobile Technologies**	*Vala Radek*	1	0	2	kl	4					
AE9IM	**Identification and Modelling of Stochastic Signals**	*Kubalčík Marek*	2	0	2	kl	4					
AE9ML	**Modelling of Logic Circuits**	*Vlček Karel*	2	0	2	kl	4					
AE9RA	**Reverse Code Analysis**	*Malaník David*	2	0	2	z, zk	4					
AE0DA	**Data Analysis and Intelligent Computing**	*Šenkeřík Roman*						2	0	2	z, zk	4
AE0AE	**Processor Architecture and Compilers**	*Sysel Martin*						2	0	2	z, zk	4
AE0ZP	**Business Basics**	*Novák Petr*						2	1	0	kl	2
AE0PP	**Fundamentals of Emergency Health Aid**	*Burget Niko*						7	0	0	z	1
AE0DI	**Diploma Thesis**	*Jašek Roman*						0	0	18	z	18
	Total		27				31	36				29

The subject Fundamentals of Emergency Health Aid is taught in blocks of 7 hours per semester. Hours are not included in the total

The course Diploma Thesis (DT) includes not only individual work of students but also organized teaching for a total of 14 hours/semester in the following division into 2 teaching blocks:
Block 1: student presentations, presenting the status of the DT solution, approval of the DT outline, professional and formal requirements of the written DT, information on the faculty's job
Block 2: student presentations with the participation of DT leaders, presenting the almost finished DT.
The conditions and dates of these inspection days are set by the field supervisor at the beginning of the summer semester.