Study Programme: Information Technologies
Specialization: Software Engineering
Form of Studies: Full-time
Academic Year: 2024/2025

1st Year Mgr.

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE7SC	**Softcomputing and Datamining**	*Šenkeřík Roman*	2	0	2	z, zk	5					
AE7PS	**Computer Network Operation**	*Vojtěšek J., Matýsek M.*	2	0	2	z, zk	5					
AE7PD	**Advanced Database Systems**	*Prokopová Zdenka*	1	0	2	kl	4					
AE7MT	**Mobile Technologies**	*Vala Radek*	1	0	2	kl	3					
AE7MP	**Cross Platform Programming**	*Bližňák Michal*	2	0	2	kl	4					
AE7MS	**Mathematical Statistics**	*Chramcov B., Fajkus M.*	2	2	0	z, zk	5					
AE7PV	**Computer Viruses and Security**	*Malaník D., Králík L.*	1	0	2	kl	4					
AE8TD	**Technical Documentation and Presentation**	*Vojtěšek Jiří*						0	0	2	kl	4
AE8MI	**Mathematical Informatics**	*Šenkeřík Roman*						2	2	0	z, zk	4
AE8GI	**Geografic Information Systems**	*Vašek Lubomír*						1	0	2	kl	3
AE8VT	**Selected Techniques of Software Development**	*Vařacha P., Žáček P.*						2	0	2	z, zk	4
AE8PP	**Parallel Processes and Programming**	*Bližňák Michal*						1	0	2	kl	4
AE8UN	**Artificial Neural Networks**	*Komínková Oplatková Zuzana*						2	0	2	z, zk	4
AE8ZS	**Signal Processing**	*Kubalčík Marek*						2	1	0	kl	4
AE8PO	**Advanced Programming**	*Vařacha Pavel*						0	0	3	kl	3
	Total			**25**			**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: Software Engineering
Form of Studies: Full-time
Academic Year: 2024/2025

2nd Year Mgr.

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					
AE9SS	**Simulation of Systems**	*Chramcov Bronislav, Vašek Lubomír*	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					
AE9SI	**Experimental methods in software engineering**	*Šilhavý Radek*	1	2	0	z, zk	4					
AE9VH	**Development of computer games**	*Vogeltanz Tomáš*	1	0	2	kl	4					
AE9PV	**Parallel Computation on Graphics Processors**	*Bližňák Michal*	1	0	2	kl	4					
AE0MM	**Multimedia**	*Sysala Tomáš*						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			**24**			**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 search assis
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.