

Study Programme: Information Technologies

1st Year
Mgr.

Specialization: Software Engineering

Form of Studies: Full-time

Academic Year: 2024/2025

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/>

Code	Compulsory subjects	Tutors	Winter semester					Summer semester														
			P	S	C	End	Cr	P	S	C	End	Cr										
AE9EV	Evolutionary Computing	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										
AE0AP	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.