

Study Programme: Information Technologies
Specialization: Software Engineering
Form of Studies: Full-time
Academic Year: 2026/2027

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	Viktorin, AUIUI	2	0	2	z, zk	5					
AE7PS	Computer Network Operation	Korbel, AUPKS	2	0	2	z, zk	5					
AE7PD	Advanced Database Systems	Prokopová, AUPKS	1	0	2	kl	4					
AE7MT	Mobile Technologies	Beltran Prieto, AUIUI	1	0	2	kl	3					
AE7MP	Cross Platform Programming	Janků, AUIUI	2	0	2	kl	4					
AE7MS	Mathematical Statistics	Fajkus, AUM	2	2	0	z, zk	5					
AE7PV	Computer Viruses and Security	Králík, AUBI	1	0	2	kl	4					
AE8TD	Technical Documentation and Presentation	Vojtěšek, AURP						0	0	2	kl	4
AE8MI	Mathematical Informatics	Šenkeřík, AUIUI						2	2	0	z, zk	4
AE8GI	Geographic Information Systems	Vašek L. ext., AUART						1	0	2	kl	3
AE8VT	Selected Techniques of Software Development	Žáček, AUIUI						2	0	2	z, zk	4
AE8PP	Parallel Processes and Programming	Janků, AUIUI						1	0	2	kl	4
AE8UN	Artificial Neural Networks	Komínková Oplatková, AUIUI						2	0	2	z, zk	4
AE8ZS	Signal Processing	Kubalčík, AURP						2	1	0	kl	5
AE8PO	Advanced Programming	Vařacha, AUIUI						1	0	2	kl	3
Total			25				30	26				31

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

x) 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 Computation Techniques	Šenkeřík, AUIUI	2	0	2	z, zk	5					
AE9SS	Simulation of Systems	Chramcov, AUIUI	2	0	2	z, zk	5					
AE9BI	Security of Information Systems	Jašek, AUIUI	2	0	2	z, zk	5					
AE9PT	Advanced Mobile Technologies	Vala, AUIUI	1	0	2	kl	4					
AE9SI	Experimental Methods in Software Engineering	Šilhavý R., AUPKS	1	2	0	z, zk	4					
AE9VH	Game Development	Vogeltanz, AUPKS	1	0	2	kl	4					
AE9PV	Parallel Computation on Graphics Processors	Janků, AUIUI	1	0	2	kl	4					
AE0MM	Multimedia	Sysala, AUART						2	0	2	z, zk	4
AE0AP	Processor Architecture and Compilers	Jašek, AUIUI						2	0	2	z, zk	4
AE0ZP	Business fundamentals	Novák, MUPE (FAME)						2	1	0	kl	2
AE0PP	Medical First Aid Fundamentals	Burget, AUART						7**)	0	0	z	1
AE0DI	Diploma Thesis	Jašek, AUIUI						0	0	18	z	18
Total			24					31				
								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

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.