			Winter semester					Summer semester				
Code	**Compulsory subjects**	**Tutors**	**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	4
AE8PO	**Advanced Programming**	*Vařacha, AUIUI*						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: **2025/2026**

**1st Year
Mgr.**

Study Programme:	**Information Technologies**
Specialization:	**Software Engineering**
Form of Studies:	**Full-time**
Academic Year:	**2025/2026**

2nd Year
Mgr.

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 Basics**	*Novák, MUPE (FAME)*						2	1	0	kl	2
AE0PP	**Fundamentals of Emergency Health Aid**	*Burget, AUART*						7*	0	0	z	1
AE0DI	**Diploma Thesis**	*Jašek, AUIUI*						0	0	18	z	18
	Total		**24**				**31**	**29**				**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.