Study Programme: Applied Informatics in Industrial Automation
Specialization: Inteligent Systems with Robots
Form of Studies: Full-time
Academic Year: 2024/2025

1st Year Bc.

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE1MA	**Seminar of Mathematics**	*Fajkus Martin*	2	4	1	z, zk	8					
AE1SP	**Software Support of Engineering Computation**	*Perůtka, AURP*	0	0	2	kl	3					
AE3HO	**Hardware and Operating Systems**	*Sysel Martin*	2	0	2	kl	4					
AE1PM	**Programming Methods**	*Dulík Tomáš*	2	0	2	kl	5					
AE1L1	**Introduction to Robotics**	*Novák Jakub*	1	0	2	kl	2					
AE1FY	**Seminar of Physics**	*Tomášková Hana*	2	3	1	z, zk	7					
AE2UM	**Introduction to Material Sciences**	*Stoklásek Pavel*						2	0	1	z, zk	4
AE2AI	**Automatic Control**	*Vašek Vladimír*						2	3	2	z, zk	7
AE2MR	**Mechanics in Robotic Systems**	*Stoklásek Pavel*						2	2	0	z, zk	5
AE2SD	**Data Transfer and Storage Systems**	*Vojtěšek Jiří, Prokopová Zdenka*						1	0	2	kl	5
AE2EI	**Electrotechnics**	*Adámek Milan*						2	2	2	z, zk	6
AE2LO	**Branch Laboratory**	*Husár Jakub*						0	0	2	kl	3
SP1	**Sport 1**	*Melichárek Zdeněk*						0	0	2	z	1
	In total		**26**				**29**	**27**				**31**

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

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2nd Year
Bc.

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE3VK	**Selected Chapters in Mathematics**	*Řezníčková Jana*	2	2	0	z, zk	6					
AE3OP	**Object-oriented Programming**	*Král Erik*	1	0	2	kl	4					
AE3PP	**PLC Programming**	*Sysala Tomáš*	2	0	2	z, zk	5					
AE3IM	**Instrumentation and Measurement**	*Navrátil Milan*	2	2	2	z, zk	6					
AE3TA	**Technical Means of Automation**	*Adámek Martin*	2	0	2	z, zk	5					
AE3IG	**Engineering Graphics**	*Janoštík Václav*	0	1	2	kl	4					
AE3L1	**Robotics Laboratory 1**	*Spaček Ľuboš*	0	0	2	z	1					
SP2	**Sport 2**	*Melichárek Zdeněk*	0	0	2	z	1					
AE4AM	**Actuators of Mechatronics Systems**	*Martínek Tomáš*						2	0	2	z, zk	4
AE4RM	**Managing Material Flows**	*Mizera Aleš*						2	0	2	z, zk	4
AE4SR	**Continuous Control**	*Pekař Libor*						2	1	2	z, zk	7
AE4RL	**Production Management and Logistics**	*Chramcov Bronislav, Kunovský Jan*						1	0	3	kl	4
AE4KR	**Construction of Robots and Manipulators**	*Mizera Aleš*						0	1	2	z, zk	6
AE4L2	**Robotics Laboratory 2**	*Mach Václav*						0	0	2	kl	2
SP3	**Sport 3**	*Melichárek Zdeněk*						0	0	2	z	1
	In total			**28**			**32**		**24**			**28**

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3rd Year
Bc

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE5PP	**Programming and Application of Industrial Robots and Manipulators**	*Vašek Lubomír*	1	0	2	z, zk	5					
AE5ES	**Embedded Systems with Microcomputers**	*Vašek Vladimír/Dolinay Jan*	2	0	4	z, zk	5					
AE5TE	**Heat Processes**	*Janáčová Dagmar*	2	2	1	z, zk	6					
AE5AA	**Analog and Digital Technology**	*Macků Lubomír*	2	1	2	z, zk	6					
AE5AM	**Actuators of Mechatronics Systems**	*Martínek Tomáš*	2	0	2	z, zk	5					
AE5PI	**Term Project**	*Vašek Vladimír*	0	1	0	z	1					
SP4	**Sport 4**	*Melichárek Zdeněk*	0	0	2	z	1					
AE6ME	**Fluid Mechanics**	*Janáčová Dagmar*						2	2	0	z, zk	5
AE6CS	**CAD Systems in Electrical Engineering**	*Dostálek Petr*						0	0	2	kl	3
AE6UI	**Artificial and Computational Intelligence**	*Komínková Oplatková Zuzana*						2	0	2	z, zk	5
AE6SS	**Softskills**	*Minaříková*						0	2	0	z	2
AE6BA	**Bachelor Thesis**	*Vašek Vladimír*						0	0	15	z	16
	In total		**26**				**29**	**27**				**31**

The course Bachelor Thesis (BT) 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 BT solution, approval of the BT outline, professional and formal requirements of the written BT, information on the faculty's job search assistance options

Block 2: student presentations with the participation of BT leaders, presenting the almost finished BT.

The conditions and dates of these inspection days are set by the field supervisor at the beginning of the summer semester.