Study Programme: Applied Informatics in Industrial Automation
Specialization: Inteligent Systems with Robots
Form of Studies: Full-time
Academic Year: 2021/2022

1.ročník
Bc

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE1MA	**Seminar of Mathematics**	*Chudá Hana*	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					
AE1IG	**Engineering Graphics**	*Huba Jakub*	0	1	2	kl	4					
AE1UM	**Introduction to Material Sciences**	*Maňas Miroslav*	2	0	1	z, zk	4					
AE1L1	**Robotics Laboratory 1**	*Vašek Vladimír*	0	0	1	z	1					
AE2AI	**Automatic Control**	*Vašek Vladimír*						2	3	2	z, zk	7
AE2MR	**Mechanics in Robotic Systems**	*Vašek Lubomír*						1	2	0	z, zk	5
AE2SD	**Data Transfer and Storage Systems**	*Vojtěšek Jiří, Prokopová Zdenka*						1	0	2	z, zk	5
AE2RM	**Managing Material Flows**	*Maňas Miroslav*						2	0	2	kl	4
AE2FS	**Seminar of Physics**	*Tomášková Hana*						2	3	1	z, zk	7
AE2LO	**Branch Laboratory**	*Chalupa Petr*						0	0	3	kl	2
SP1	**Sport 1**	*Melichárek Zdeněk*						0	0	2	z	1
	In total			**24**			**29**		**28**			**31**

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

Study Programme: Applied Informatics in Industrial Automation
Specialization: Inteligent Systems with Robots — **2nd Year** **Bc.**
Form of Studies: Full-time
Academic Year: 2021/2022

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					
AE3SR	**Continuous Control**	*Pekař Libor*	2	1	2	z, zk	6					
AE3IM	**Instrumentation and Measurement**	*Navrátil Milan*	2	2	2	z, zk	6					
AE3MS	**Mechatronic Systems**	*Adámek Milan*	2	0	2	z, zk	6					
AE3L2	**Robotics Laboratory 2**	*Vašek Vladimír*	0	0	2	z	2					
SP2	**Sport 2**	*Melichárek Zdeněk*	0	0	2	z	1					
AE4TP	**Heat Processes**	*Janáčová Dagmar*						2	2	1	z, zk	6
AE4EI	**Electrotechnics**	*Adámek Milan*						2	2	2	z, zk	6
AE4PP	**PLC Programming**	*Sysala Tomáš*						2	0	2	z, zk	6
AE4RL	**Production Management and Logistics**	*Chramcov Bronislav, Kunovský Jan*						1	0	3	kl	4
AE4KR	**Construction of Robots and Manipulators**	*Zátopek Jiří*						0	1	4	z, zk	6
SP3	**Sport 3**	*Melichárek Zdeněk*						0	0	2	z	1
	In total		**26**				**31**	**26**				**29**

Study Programme: Applied Informatics in Industrial Automation
Specialization: Inteligent Systems with Robots
Form of Studies: Full-time
Academic Year: 2022/2023

3rd Year Bc.
Bc

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE5ME	**Fluid Mechanics**	*Janáčová Dagmar*	2	2	0	z, zk	5					
AE5ES	**Embedded Systems with Microcomputers**	*Vašek Vladimír/Dolinay Jan*	2	0	4	z, zk	5					
AE5TP	**Technical Means of Automation**	*Křesálek Vojtěch*	2	0	2	z, zk	5					
AE5AA	**Analog and Digital Technology**	*Adámek Milan*	2	1	2	z, zk	6					
AE5AM	**Actuators of Mechatronics Systems**	*Úředníček Zdeněk*	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					
AE6PI	**Programming and Application of Industrial Robots and Manipulators**	*Vašek Lubomír*						2	0	6	z, zk	5
AE6CS	**CAD Systems in Electrical Engineering**	*Dostálek Petr*						0	0	2	kl	3
AE6MO	**Programming of Mobile Applications**	*Vala Radek*						0	1	2	kl	5
AE6SS	**Softskills**	*Minaříková*						0	2	0	z	2
AE6BA	**Bachelor Thesis**	*Vašek Vladimír*						0	0	15	z	17
	In total		**26**				**28**	**30**				**32**

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.