

Study Programme: Applied Informatics in Industrial Automation
Specialization: Industrial Automation
Form of Studies: Full-time
Academic Year: 2023/2024

1st Year

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					
AE1IP	Software Support of Engineering Computation	Perůtka Karel	0	0	4	kl	4					
AE3HO	Hardware and Operating Systems	Sysel Martin	2	0	2	kl	4					
AE1PM	Programming Methods	Dulík Tomáš	2	0	2	kl	5					
AE1FY	Seminar of Physics	Tomášková Hana	2	3	1	z, zk	7					
AE2AR	Automatic Control	Matušu Radek						2	1	2	z, zk	8
AE2M1	Mathematics I	Řezníčková Jana						2	2	0	z, zk	8
AE2UM	Introduction to Material Sciences	Maňas Miroslav						2	0	1	z, zk	4
AE2SD	Data Transfer and Storage Systems	Vojtěšek Jiří, Prokopová Zdenka						1	0	2	kl	5
AE2EP	Electrotechnics	Macků Lubomír						2	1	2	z, zk	6
SP1	Sport 1	Melichárek Zdeněk						0	0	2	z	1
In total			25					28	22			32

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: Industrial Automation
Form of Studies: Full-time
Academic Year: 2023/2024

2nd Year
Bc.

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE3M2	Mathematics II	Sedláček Lubomír	2	3	0	z, zk	6					
AE3OP	Object-oriented Programming	Král Erik	1	0	2	kl	4					
AE3FY	Physics	Tomášková Hana	2	3	1	z, zk	7					
AE3IA	Instrumentation and Measurement	Navrátil Milan	2	1	2	z, zk	6					
AE3PP	PLC Programming	Dolinay Jan	2	0	2	z, zk	6					
SP2	Sport 2	Melichárek Zdeněk	0	0	2	z	1					
AE6ME	Fluid Mechanics	Janáčková Dagmar						2	2	0	z, zk	5
AE2EP	Electrotechnics	Macků Lubomír						2	1	2	z, zk	6
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
AE4SE	Sensors	Křesálek Vojtěch						2	0	2	z, zk	4
AE4LR	Laboratory of Real Processes	Chalupa Petr						0	0	3	kl	3
SP3	Sport 3	Melichárek Zdeněk						0	0	2	z	1
In total			25					30				

Code	Compulsory subjects	Tutors	Winter semester					Summer semester				
			P	S	C	End	Cr	P	S	C	End	Cr
AE5TE	Heat Processes	Janáčková Dagmar	2	2	1	z, zk	6					
AE5ES	Embedded Systems with Microcomputers	Vašek Vladimír/Dolinay Jan	2	0	4	z, zk	5					
AE5PG	Programming and Application of Industrial Robots and Manipulators	Vašek Lubomír	2	0	6	z, zk	5					
AE5AA	Analog and Digital Technology	Macků Lubomír	2	1	2	z, zk	6					
AE3MS	Mechatronic Systems	Adámek Milan	2	0	2	z, zk	6					
AE5PI	Term Project	Vašek Vladimír	0	1	0	z	1					
SP4	Sport 4	Melichárek Zdeněk	0	0	2	z	1					
AE6AK	Actuators	Chalupa Petr						2	0	2	z, zk	4
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			31					30				
								27				
								30				

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.