Wydział Automatyki, Elektroniki i Informatyki

Plan Studiów na kierunku INFORMATYKA (Informatics)

Plan obowiązuje od roku akademickiego 2026/2027

Profil ogólnoakademicki Studia stacjonarne I-go stopnia

	NAZWA ZAJĘĆ	GODZINY							ROZKŁAD ZAJĘĆ PROGRAMOWYCH W SEMESTRACH																	
		S	w tym					ECTS	sem. 1					ECTS	sem. 2					ECTS	sem. 3					ECTS
			W	Ć	L	P	S		W	Ć	L	P			W	Ć	L	P			W	Ć	L	P		
1	Physical Training	**60**		60				0		2						2										
2	Foreing Language	**120**		120				8		2				2		2				2		2				2
3	Intellectual Property Protection	**30**	15			15		2	1			1		2												
4	Communication and Negotiation Techniques and Tools	**30**	15			15		3																		
5	Mathematical Analysis and Linear Algebra	**75**	30	45				6	2	3				6												
6	Discrete Mathematics and Mathematical Logic	**45**	15	15	15			3													1	1	1			3
7	Physics	**60**	30		30			6							2		2			6						
8	Physics of Circuits and Systems	**45**		15	30			4		1	2			4												
9	Statistical Metods	**45**	15		15	15		5							1		1			3				1		2
10	Numerical Methods	**30**	15		15			2													1		1			2
11	Algorithms and Data Structures	**60**		30	30			5														2	2		**E**	5
12	Data Analysis and Machine Learning	**60**	30		30			4																		
13	Computer Architecture	**60**	30		30			4																		
14	Databases	**75**	30		45			5							2		3		**E**	5						
15	Computer Construction	**60**	30		30			4																		
16	Cybersecurity	**45**	15		30			3																		
17	Computer Graphics	**75**	30		30	15		6																		
18	Industrial Informatics (PBL)	**45**				45		4																		
19	Software Engineering	**45**	15		30			3													1		2			3
20	Scripting Languages	**30**	15		15			3							1		1			3						
21	Theory of Computer Science	**75**	30		45			6	2		3		**E**	6												
22	Fundamentals of Computer Programming	**60**	30		30			5	2		2		**E**	5												
23	Fundamentals of Digital Systems	**90**	30	30	30			7	1	1				2	1	1				3			2			2
24	Computer Programming	**60**	30		30			5							2		2		**E**	5						
25	Low-level programming	**60**	15		15	30		4																		
26	Computer Networks	**45**	15		30			3																		
27	Neural Networks	**45**	15			30		3																		
28	IoT Systems	**60**	15		45			4													1		1			2
29	Operating Systems	**75**	30		45			6													2		3		**E**	6
30	Mobile Technologies	**45**	15		30			4																		
31	Database Systems and Applications	**45**	15			30		3																		
32	Elective course form the University database (UBZO)	**150**	150					10							2					2	2					2
33	Cloud Computing (PBL)	**60**				60		5																		
34	Software Project (PBL)	**60**				60		5																		
35	Specialization courses (CSE / DES / SD)	**510**						38																		
36	Elective course	**45**			30	15		3																		
37	Industrial Training (min. 4 weeks)	**0**						4																		
38	Final Project	**30**				30		13																		
39	Final Project Seminar	**15**					15	2																		
40		**0**						0																		
41		**0**						0																		
	RAZEM GODZIN	**2625**	720	315	705	360	15	210	8	9	7	1		27	11	5	9	0		29	8	5	12	1		29
		Liczba godzin tygodniowo							25						25						26					
		Liczba egzaminów							2						2						2					

	NAZWA ZAJĘĆ	sem. 4					ECTS	sem. 5					ECTS	sem. 6					ECTS	sem. 7					ECTS
		W	Ć	L	P			W	Ć	L	P			W	Ć	L	P			W	Ć	L	P	S	
1	Physical Training																								
2	Foreing Language		2			**E**	2																		
3	Intellectual Property Protection																								
4	Communication and Negotiation Techniques and Tools	1			1		3																		
5	Mathematical Analysis and Linear Algebra																								
6	Discrete Mathematics and Mathematical Logic																								
7	Physics																								
8	Physics of Circuits and Systems																								
9	Statistical Metods																								
10	Numerical Methods																								
11	Algorithms and Data Structures																								
12	Data Analysis and Machine Learning	2		2			4																		
13	Computer Architecture													2		2		**E**	4						
14	Databases																								
15	Computer Construction	2					2			2			2												
16	Cybersecurity							1		2			3												
17	Computer Graphics							2		1		**E**	4			1	1		2						
18	Industrial Informatics (PBL)				3		4																		
19	Software Engineering																								
20	Scripting Languages																								
21	Theory of Computer Science																								
22	Fundamentals of Computer Programming																								
23	Fundamentals of Digital Systems																								
24	Computer Programming																								
25	Low-level programming	1		1			2				2		2												
26	Computer Networks	1		2			3																		
27	Neural Networks							1			2		3												
28	IoT Systems			2			2																		
29	Operating Systems																								
30	Mobile Technologies							1		2		**E**	4												
31	Database Systems and Applications							1					1				2		2						
32	Elective course form the University database (UBZO)	2					2	2					2	2					2						
33	Cloud Computing (PBL)										4		5												
34	Software Project (PBL)				4		5																		
35	Specialization courses (CSE / DES / SD)												4					**E**	19						15
36	Elective course																					2	1		3
37	Industrial Training (min. 4 weeks)																		4						
38	Final Project																						2		13
39	Final Project Seminar																							1	2
40																									
41																									
	RAZEM GODZIN	9	2	7	8		29	8	0	7	8		30	4	0	3	3		33	0	0	2	3	1	33
	Liczba godzin tygodniowo	26						26						26						21					
	Liczba egzaminów	1						2						2						0					

<u>LEGENDA</u>

Egzamin z języka angielskiego na poziomie B2

Przedmioty prowadzone w języku angielskim: dwa z zaznaczonych w kolumnie język symbolem "pol/ang"

UBZO - przedmiot wybierany z Uczelnianej bazy zajęć obieralnych

***** liczba godzin poszczególnych form zajęć jest różna dla poszczególnych ścieżek dyplomowania