PLAN STUDIÓW STACJONARNYCH I-EGO STOPNIA NA KIERUNKU MAKROKIERUNEK
YSU - AUTOMATION

Numer	NAZWA PRZEDMIOTU	GODZINY Σ	W	Ć	L	P	S	Sem.1 W	Ć	L	P		ECTS	Sem.2 W	Ć	L	P		ECTS	Sem.3 W	Ć	L	P		ECTS	Sem.4 W	Ć	L	P		ECTS	Sem.5 W	Ć	L	P		ECTS	Sem.6 W	Ć	L	P		ECTS	Sem.7 W	Ć	L	P	S	D	ECTS
1	Physical education	60	0	60	0	0	0		2						2																																			
2	Foreign language	120	0	120	0	0	0		2				2		2				2		2				2		2			E	2																		
3	Algebra and analytic geometry	75	45	30	0	0	0	3	2			E	10	0	0				0																															
4	Calculus and differential equations	120	60	60	0	0	0	2	2			E	6	2	2			E	5																															
5	Introduction to electric and electronic circuits	120	60	45	15	0	0	2	2				5	2	1	1		E	6																															
6	Fundamentals of computer programming	60	30	0	30	0	0	2		2			5																																					
7	Theory of logic circuits	90	30	30	30	0	0	0	0				0	2	2	2			8																															
8	Social sciences 1	30	15	0	15	0	0	1		1	0	E	2																																					
9	Physics	120	60	30	30	0	0							2	1				3	2	1	2		E	6																									
10	Computer programming	90	45	0	45	0	0							1		1			3	2		2			4																									
11	Discrete mathematics	30	15	15	0	0	0							1	1				3																															
12	Optimization and decision making	60	30	0	30	0	0													2		2			5																									
13	Probability and statistics	60	30	0	30	0	0													2		2			5																									
14	Electronic devices and circuits	120	60	30	30	0	0													3					3	1	2	2		E	6																			
15	Introduction to system dynamics	45	30	15	0	0	0													2	1			E	5																									
16	Numerical methods	60	30	0	30	0	0																			2		2			4																			
17	Digital circuits	60	30	15	15	0	0																			2	1	1			5																			
18	Measurement systems	60	30	0	30	0	0																			2		2		E	6																			
19	Theory of computer science	90	30	30	30	0	0																			2	2				4			2			3													
20	Social sciences 2	30	15	0	0	15	0																			1			1		3																			
21	Artificial intelligence	60	30	0	30	0	0																									2		2			4													
22	Control fundamentals	105	45	30	30	0	0																									3	2			E	6			2			2							
23	Computer networks	60	30	0	30	0	0																									2		2		E	6													
24	Analog and digital signal processing	60	30	0	30	0	0																									2		2			5													
25	Microprocessor systems	60	15	0	30	15	0																									1		2	1		4													
26	Project management	30	15	0	0	15	0																									1			1		2													
27	Computer graphics	60	30	0	30	0	0																															2		2			3							
28	Embedded systems	60	30	0	30	0	0																															2		2			3							
29	Databases	60	30	0	30	0	0																															2		2		E	4							
30	Operating systems	60	30	0	30	0	0																															2		2		E	4							
31_1	Spec.module:Robotics	60	30	0	30	0	0																															2		2		E	6							
31_2	Spec.module:CAD of control systems	60	30	0	30	0	0																																					2		2				3
31_3	Spec.module:Hierarchical control	60	30	0	30	0	0																																					2		2				3
31_4	Spec.module:Applied digital signal processing	45	30	0	15	0	0																																					2		1				3
31_5	Spec.module:Optional course A1	45	15	0	30	0	0																															1		2			2							
31_6	Spec.module:Optional course A2	45	15	0	30	0	0																															1		2			2							
32	Optional course 1	30	15	0	15	0	0																																					*1*		*1*				2
33	Optional course 2	30	15	0	15	0	0																																					*1*		*1*				2
34	Optional course 3	30	15	0	15	0	1																																					*1*		*1*				2
35	Industrial training	0	0	0	0	0	0																																				4							
36	Final project	30	0	0	0	30	0																																								2		E	13
37	Final project seminar	15	0	0	0	0	15																																									1		2
		2565	1125	510	840	75	15	10	10	3	0		30	10	11	4	0		30	13	4	8	0		30	10	7	7	1		30	11	2	10	2		30	12	0	16	0		30	9	0	8	2	1		30
		Liczba godzin tygodniowo						23						25						25						25						25						28						20						
		Liczba egzaminów						3						2						2						3						2						2						1						
		Liczba zaliczeń						7						6						5						4						6						7						6						

Powyższy plan studiów obowiązuje studentów rozpoczynających naukę w roku akademickim 2021/2022 i w latach następnych.