Lomza State University of Applied Sciences

Faculty of Computer Science and Food Science
Automation and Robotics
1st degree engineering studies with a practical profile
Stationary Studies
Speciality: Process Automation
Speciality: Mechatronics

Winter Semester - from October to February

Lp.	Course name	Exam / Credit	Numbers of hours per semester							ECTS
			L	D	W	Lab	P	S	SW	
Semester 1										
1	Basics of Programming	E	30	15		30			75	6
2	Computer Aided Design	E	15			45			65	5
3	Foreign language 1	C		30					20	2
Semester 3										
1	Algorithms and Data Structures	E	15			30			55	4
2	Artificial Intelligence	C	15			30			30	3
3	Foreign language 3	C		30					20	2
Semester 5										
1	Process Robotization	Z	15				30		30	3
2	Laboratory of basics of robotics	C				45			5	2
	Speciality: Process Automation									
3	Process Visualization	Z	15				30		30	3
	Speciality: Mechatronics									
3	Mechatronics Design	E	15			45			15	3
	Total 360h		**105**	**75**		**180**			**330**	**30**

Summer Semester - from March to June

Lp.	Course name	Exam / Credit	Numbers of hours per semester							ECTS
			L	D	W	Lab	P	S	SW	
Semester 2										
1	Object-Oriented Programming	E	30			30			65	5
2	Introduction to Computer Networks	C	15			30			55	4
3	Foreign language 2	C		30					20	2
4	Basics of Mechanics	C	30	15			15		40	4
Semester 4										
1	Introduction to robotics	E	30			30			40	4
3	Microcontrolers programing	C	15			30			30	3
4	Electric drives	C	15			30			30	3
5	Foreign language 4	C		30					45	3
	Total 360h		**135**	**75**		**150**			**325**	**28**