

CURRICULUM

Educational and Qualification Degree BACHELOR

Degree course "Automation, Information and Controlling Equipment

Professional Branch: 5.2 "Electrical Engineering, Electronics and Automation'
 Professional Qualification: AUTOMATION ENGINEER
 Type of Training: EXTERNAL
 Period of Training: 5 YEARS

Year	Semester	No number	Subject code	Full name of the subjects (course projects, practical training)	Form of control Examination (E)/ Process of Continuous assessment (PCA)	Teaching hours, weekly		Total hours for the semester	ECTS	
						L	PE			
FIRST	1st	1	361101	Mathematics – Part I	E	12	21	33	6.4	
		2	361102	Mathematics – Part II	E	18	28	46	8.8	
		3	351102	Science of Machines and Technical Drawing	E	20	26	46	8.8	
					Total for the first semester		50	75	125	24
	2nd	4	361103	Mathematics – Part III	E	13	24	42	7.6	
		5	181101	Physics	E	28	21	49	8.8	
		6	371140	Programming and Computing	E	14	28	42	7.6	
					Total for the second semester		60	73	133	24
							110	148	258	43

SECOND	1st	7	331120	Methods for Engineering Research	E	14	14	28	4.8	
		8	341101	Theoretical Electrical Engineering – Part I	E	22	14	36	6.3	
		9	281101	Technical Mechanics	E	20	14	34	5.9	
		10	331131	Theory of Automation Management – Part I	E	20	20	40	7.0	
						Total for the first semester		76	62	138
	2nd	11	341102	Theoretical Electrical Engineering – Part II	E	20	20	40	7.0	
		12	341105	Electrical Measurements	E	18	16	34	6.0	
		13	351108	Science of Materials	E	20	7	27	4.8	
		14	331132	Theory of Automation Management – Part II	E	21	14	35	6.2	
						Total for the second semester		79	57	136
						155	119	274	48	

THIRD	15	341112	Electromechanical Devices	E	28	14	42	5.9
	16	211113	Technology of Mining Production	E	20	8	28	3.9
	17	341106	Semiconducting Elements	E	26	18	44	6.1
	18	331110	Impulse and Digital Circuit Engineering	E	22	14	36	5.0
	19		Eligible:	E	18	6	22	3.1

T H I R D	14	413202	a. Logics							
		413206	b. Culturology							
		413201	c. History of Philosophy							
		413253	d. Philosophical Anthropology							
		Total for the first semester				112	60	172	24	
	SE	20	331111	Identification	E	20	13	33	5.4	
	CO	21	331101	Automation Electrical Drive	E	20	20	40	6.6	
	N D	22	331112	Measurement of Non-electrical Quantities	E	20	20	40	6.6	
		23	331116	Microprocessor Technique	E	20	13	33	5.4	
	Total for the second semester				80	66	146	24		
Total for the third year				192	126	313	40			
F O U R T H	FIR	24	321118	Information and Communication Technique	E	13	13	26	4.2	
		25	331128	Power Electronics	E	13	13	26	4.2	
		ST	26	331102	Automation of Technological Processes	E	28	14	42	6.6
			27	331117	Optimization of Technological Objects	E	14	14	28	4.5
		28	331135	Management of Electrical Drive	E	14	14	28	4.5	
	Total for the first semester				82	68	150	24		
	SE CO ND	29	331133	Technical Devices for Automation	E	21	14	35	5.1	
		30	311138	Mining Mechanization – Part I	E	14	14	28	4.1	
		31	311138	Mining Mechanization – Part II	E	14	14	28	4.1	
		32	331106	Automation of Mineral Processing Plants	E	21	13	34	4.9	
		33	271119	Economics and Management	E	26	14	40	5.8	
	Total for the second semester				96	69	165	24		
	Total for the fourth year				178	137	315	48		

F I F T H	FIR	34	331105	Automation of Mining Static Installation	E	21	20	41	6.3	
		ST	35	331115	Computer Systems of Control	E	21	21	42	6.4
			36	331123	Applied Software	E	13	26	39	6.0
		37	331107	Automation of Mining and Transport Machines	E	21	13	34	5.3	
		Total for the first semester				76	80	156	24	
	SE CO ND	38	261102	Technical Safety	E	12	12	24	4.3	
			321117	Mining Electrical Engineering and Electrical Supply	E	21	13	34	6.1	
		40	171126	Ecology and Environmental Protection	E	14	6	20	3.6	
		Diploma Paper							10	
	Total for the second semester				47	31	78	14		
Total for the fifth year				123	111	234	48			