

Courses structure

No	Course name	Dept.	Number of hours in semester I					ECTS
			Lectures	Classes	Lab.	Projects	ECTS	
1	Labour hygiene safety and ergonomics	ZP	10		0	0	0	1
2	Chemistry	BT	30		15	0	0	4
3	Economics	ZE	15		15	0	0	2
4	Physics	FF	15		15	0	0	3
5	Computer bases of designing I	BM	15		0	15	0	2
6	Mathematics	FM	35	E	45	0	0	6
7	Environmental protection	BO	15		15	0	0	3
8	Technical drawing and descriptive geometry	BW	30	E	15	0	15	5
9	Information technology	BM	15		0	15	0	2
Subtotal			180		120	30	15	28
Total			345					

No	Course name	Dept.	Number of hours in semester II					ECTS
			Lectures	Classes	Lab.	Projects	ECTS	
1	Biology and ecology	BO	30		0	30	0	4
2	Chemistry	BT	15	E	0	30	0	5
3	Fieldwork of geodesy	BG	0		0	0	0	1
4	Physics	FF	15	E	0	15	0	3
5	Surveying and spatial information systems	BG	20		0	30	0	3
6	Computer bases of designing II	BP	15		0	15	0	2
7	Mathematics	FM	30	E	30	0	0	5

8	Materials science	BR	15		0	15	0	2
9	Mechanics and strength of materials	BS	30		15	0	0	4
10	Environmental law and protection of intellectual property	ZP	15		10	0	0	2
Subtotal			185		55	135	0	31
Total			375					

No	Course name	Dept.	Number of hours in semester III					
			Lectures	Classes	Lab.	Projects	ECTS	
1	Hydrology and earth sciences	BR	30	E	0	0	30	4
2	Foreign language	DJ	0		30	0	0	2
3	Soil mechanics and geotechnics	BA	30		0	15	0	4
4	Mechanics and strength of materials	BS	15	E	25	0	0	3
5	Fluid mechanics	BR	15		15	0	0	2
6	Building and engineering structures	BB	15		0	0	30	3
7	Basics of mechanical construction	BR	20		0	0	15	3
8	Basic of technical thermodynamic	BD	30	E	30	15	0	5
9	Technology and equipment for water treatment I	BO	30		0	30	0	4
Subtotal			185		100	60	75	30
Total			420					

No	Course name	Dept.	Number of hours in semester IV				
			Lectures	Classes	Lab.	Projects	ECTS

1	Soil mechanics and geotechnics – fieldwork classes	BG	0		0	0	0	1
2	Waste management	BT	30	E	0	15	15	4
3	Foreign language	DJ	0		30	0	0	2
4	Fluid mechanics	BR	30	E	15	15	0	5
5	Air protection	BD	15		0	0	15	3
6	Building and engineering structures	BB	15		0	0	15	3
7	Technology and devices for wastewater treatment	BT	30		0	30	0	4
8	Technology and equipment for water treatment ii	BO	15	E	15	0	30	4
9	Water supply systems	BR	30		15	0	30	5
Subtotal			165		75	60	105	31
Total			405					

No	Course name	Dept.	Number of hours in semester V					
			Lectures	Classes	Lab.	Projects	ECTS	
1	Melioration	BO	15		0	0	25	3
2	Foreign language	DJ	0		30	0	0	2
3	Wastewater discharge and sewage systems	BI	30		15	0	30	5
4	Heating and heat engineering I	BD	30		0	0	15	4
5	Pumps and ventilators in heating and ventilation systems	BD	15	E	0	0	25	3
6	Reclamation and revitalization of water ecosystem	BT	15		0	0	25	3

7	Technology and devices for wastewater treatment	BT	15	E	15	0	30	5	
8	Water supply systems	BR	30	E	0	0	30	5	
9	Physical education	WF	0		30	0	0	1	
Subtotal			150		90	0	180	31	
Total			420						

No	Course name	Dept.	Number of hours in semester VI						
			Lectures		Classes	Lab.	Projects	ECTS	
1	Gas and electrical installations	BD	15	E	0	0	25	3	
2	Sanitary installations	BI	30		0	0	30	4	
3	Foreign language	DJ	0	E	30	0	0	3	
4	Wastewater discharge and sewage systems	BI	30	E	0	0	30	4	
5	Protection against noise and vibration	BR	15		0	25	0	3	
6	Heating and heat engineering ii	BD	30	E	0	15	30	5	
7	Practical training	BR	0		0	0	0	1	
8	Sludge utilization	BT	15		0	25	0	3	
9	Ventilation and air conditioning	BD	30		0	10	20	4	
10	Physical education	WF	0		30	0	0	1	
Subtotal			165		60	75	135	31	
Total			435						

No	Course name	Dept.	Number of hours in semester III					ECTS
			Lectures	Classes	Lab.	Projects		
1	Water-engineering	BR	15		0	0	25	3
2	History of art and architecture	BA	15		15	0	0	3
3	Diploma thesis	BO	0		0	0	0	15
4	Diploma seminar	BD	0		30	0	0	9
5	Technological water in industrial plants	BO	15		0	0	25	3
Subtotal			45		45	0	50	33
Total			140					