COURSE CATALOGUE - Environmental engineering
RZESZÓW UNIVERSITY OF TECHNOLOGY

Bachelor's degree studies

No.	Subject	Hours: Total	L	C	Lb	P	ECTS
1	Technical drawing and descriptive geometry	60	30	15	0	15	4
2	Chemistry	90	35	25	30	0	8
3	Geodesy and spatial information systems	50	20	0	30	0	3
4	Hydrology and Earth science	60	30	0	0	30	4
5	Water treatment technology	60	30	0	30	0	4
6	Soil mechanics and geotechnics	45	30	0	15	0	4
7	Building and engineering structures	75	30	0	0	45	6
8	Air protection	30	15	0	0	15	3
9	Technology and devices for wastewater treatment	120	45	15	30	30	9
10	Waterworks and water supply systems	135	60	15	0	60	11
11	Heating and district heating	45	30	0	0	15	4
12	Water protection and management	40	15	0	0	25	3
13	Wastewater discharge and sewage systems	135	60	15	0	60	9
14	Ventilation and air conditioning	60	30	0	10	20	4
15	Sanitary Installation	60	30	0	0	30	4
16	Cooling systems and heat pumps	60	30	0	10	20	3
17	Energy-efficient ventilation and air-conditioning systems	40	15	0	0	25	3
18	I step Diploma Project	30	0	30	0	0	15

Hours in semester (I–III)

No.	I winter semester L		C	Lb	P	ECTS	II summer semester L		C	Lb	P	ECTS	III winter semester L		C	Lb	P	ECTS
1	30	E	15		15	4												
2	20		25			3	15	E		30		5						
3							20			30		3						
4													30	E			30	4
5													30			30		4
6													30			15		4
7													15				30	3
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		

Hours in semester (IV–V)

No.	IV summer semester L		C	Lb	P	ECTS	V winter semester L		C	Lb	P	ECTS
1												
2												
3												
4												
5												
6												
7	15				15	3						
8	15				15	3						
9	30			30		4	15		15		30	5
10	30		15		30	6	30	E			30	5
11							30				15	4
12							15				25	3
13							30		15		30	5
14												
15												
16												
17												
18												

Hours in semester (VI–VII)

No.	VI summer semester L		C	Lb	P	ECTS	VII winter semester L		C	Lb	P	ECTS
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	30	E			30	4						
14	30			10	20	4						
15	30				30	4						
16	30			10	20	3						
17							15				25	3
18								E	30			15

Master's degree studies

No.	Subject	Hours: Total	L	C	Lb	P	ECTS	I summer semester L		C	Lb	P	ECTS	II winter semester L		C	Lb	P	ECTS
1	Wastewater treatment systems	45	15	0	30	0	3	15	E		30		3						
2	Environmental monitoring	30	15	15	0	0	2	15		15			2						
3	Storage reservoirs in sewage systems	45	15	0	0	30	4							15	E			30	4
4	Ecological technologies	30	15	15	0	0	3							15		15			3
5	Balneotechnology	30	15	0	0	15	3							15	E			15	3
6	Rural water supply and sanitation	65	25	0	15	25	4							25	E		15	25	4
7	Cooling	30	15	0	0	15	3							15				15	3
8	Heat sources and heat management	60	30	0	0	30	4							30	E			30	4
9	Environmental microbiology	30	15	0	15	0	3							15	E		15		3
10	Toxicology	45	30	0	15	0	3							30			15		3

Explanation of abbreviations:
L - Lecture
C - Classes
Lb - Laboratory
P - Project
E - Examination