

**COURSE CATALOGUE - Environmental engineering
RZESZÓW UNIVERSITY OF TECHNOLOGY**

Bachelor's degree studies

No.	Subject	Hours					Hours in semester																																				
							I							II					III					IV					V					VI					VII				
							winter semester				summer semester			winter semester				summer semester	winter semester				summer semester	winter semester				summer semester	winter semester				summer semester										
Total	L	C	Lb	P	ECTS	L	C	Lb	P	ECTS	L	C	Lb	P	ECTS	L	C	Lb	P	ECTS	L	C	Lb	P	ECTS	L	C	Lb	P	ECTS	L	C	Lb	P	ECTS								
1	Technical drawing and descriptive geometry	60	30	15	0	15	4	30	E	15	15	4																															
2	Chemistry	90	35	25	30	0	8	20	25		3	15	E		30	5																											
3	Geodesy and spatial information systems	50	20	0	30	0	3				20		30	3																													
4	Hydrology and Earth science	60	30	0	0	30	4								30	E				30	4																						
5	Soil mechanics and geotechnics	45	30	0	15	0	4								30			15	4																								
6	Water treatment technology I	60	30	0	30	0	4								30		30	4																									
7	Building and engineering structures	75	30	0	0	45	6								15			30	3	15			15	3																			
8	Air protection	30	15	0	0	15	3										15			15	3																						
9	Technology and devices for wastewater treatment	120	45	15	30	30	8										30		30	4	15	15	30	4																			
10	Waterworks and water supply systems	135	60	15	0	60	11										30	15	30	6	30	E		30	5																		
11	Pumps and ventilators in heating and ventilation	40	15	0	0	25	4														15	E		25	4																		
12	Heating and heat engineering	120	60	0	15	45	10														30		15	5	30	E		15	30	5													
13	Wastewater discharge and sewage systems	135	60	15	0	60	9														30	15	30	5	30	E		30	4														
14	Sanitary Installation	60	30	0	0	30	4																	30				30	4														
15	Ventilation and air conditioning	40	15	0	0	25	4																	15				25	4														
16	Protection of waters and water management	40	15	0	0	25	4																							15			25	4									
17	I step Diploma Project	30	0	30	0	0	15																								E	30			15								

Master's degree studies

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

Explanation of abbreviations:

L - Lecture

P - Project

C - Classes

Lb - Laboratory

E - Examination