

**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					
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	Geometric and engineering drawing	54	24	15	0	15	4	24	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	Mechanics and strength of materials	85	45	40	0	0	6								30	15						3	15	E	25																	
5	Fluid mechanics	60	30	15	15	0	5																30	E	15	15																
6	Hydrology and earth science	60	30	0	0	30	4																30	E			30	4														
7	Soil mechanics and geotechnics	45	30	0	15	0	4																30			15	4															
8	Water treatment technology I	60	30	0	30	0	4																30			30	4															
9	Building and engineering structures	75	30	0	0	45	6										15			30	3	15				15	3															
10	Air protection	30	15	0	0	15	3																			15			15	3												
11	Technology and devices for wastewater treatment	120	45	15	30	30	8																			30		30	4	15	E	15		30	4							
12	Water supply systems	135	60	15	0	60	11																			30	15	30	6	30	E			30	5							
13	Heating and heat engineering I	45	30	0	0	15	5																			30						15	5									
14	Pumps and ventilators in heating and ventilation	40	15	0	0	25	4																						15	E			25	4								
15	Wastewater discharge and sewage systems	135	60	15	0	60	9																					30	15		30	5	30	E			30	4				
16	Heating and heat engineering II	75	30	0	15	30	5																								30	E		15	30	5						
17	Sanitary Installation	60	30	0	0	30	4																							30				30	4							
18	Ventilation and air conditioning	60	30	0	10	20	4																						30		10	20	4									
19	Protection of waters and water management	40	15	0	0	25	4																												15			25	4			
20	Diploma disseration	30	0	30	0	0	15																													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	2							15	15																											
6	Heat sources and heat management	60	30	0	0	30	4							30	E																						30	4				
7	Rural water supply and sanitation	65	25	0	15	25	4							25	E																					15	25	4				
8	Storage reservoirs in sewage systems	45	15	0	0	30	4							15	E																						30	4				

Explanation of abbreviations:

- L - Lecture
- P - Project
- C - Classes
- Lb - Laboratory
- E - Examination