COURSE CATALOGUE - Civil 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	L		C	Lb	P	ECTS
1.	Chemistry	45	15	0	30	0	3	15			30		3																																				
2.	Geology	45	15	30	0	0	3	15		30			3																																				
3.	History of architecture	30	15	15	0	0	3	15		15			3																																				
4.	Geometry and engineering graphics	105	45	15	30	15	9	30	E	15		15	5	15			30		4																														
5.	Theoretical mechanics	75	45	30	0	0	6							45	E	30			6																														
6.	Geodesy	75	30	0	45	0	5							30	E		45		5																														
7.	Building materials	45	15	0	30	0	3							15			30		3																														
8.	Strength of materials	135	60	30	15	30	11													60	E	30	15	30	11																								
9.	Building physics	60	15	15	30	0	5													15		15	30		5																								
10.	Building engineering	105	45	0	0	60	9													30				30	5	15	E			30	4																		
11.	Soil mechanics and foundation engineering	105	45	0	30	30	9													15			30		4	30	E			30	5																		
12.	Structural mechanics	150	60	45	15	30	12																			60	E	45	15	30	12																		
13.	Concrete structures	150	60	15	15	60	12																			30		15	15	30	7	30	E			30	5												
14.	Computational methods	60	30	0	30	0	5																									30			30		5												
15.	Building installations	60	30	0	0	30	5																									30				30	5												
16.	Metal structures	150	60	15	15	60	12																									30		15	15	30	7	30	E			30	5						
17.	Bridge engineering	90	30	30	0	30	8																									15		15		15	4	15	E	15		15	4						
18.	Road engineering	90	30	30	0	30	8																									15		15		15	4	15	E	15		15	4						
19.	Basic knowledge of road engineering	35	20	0	0	15	3																															20				15	3						
20.	Basics of knowledge bridges	35	20	0	0	15	3																															20				15	3						
21.	Applied hydraulics and hydrology	30	15	15	0	0	2																															15		15			2						
22.	Urban planning and architecture	45	15	0	0	30	4																															15				30	4						
23.	Energy-saving technologies	45	30	0	0	15	4																															30				15	4						
24.	Masonry structures	35	20	0	0	15	3																															20				15	3						
25.	Repairs, upgrades and reconstruction	35	20	0	0	15	3																															20				15	3						
26.	Timber structures	35	20	0	0	15	3																															20				15	3						
27.	Economics of civil engineering	30	15	0	0	15	3																																					15				15	3
28.	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						III					
								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
1	Roads construction I	30	15	0	0	15	3	15				15	3												
2	Complex concrete structures	45	15	0	0	30	4	15	E			30	4												
3	Complex metal structures	45	15	0	0	30	4	15	E			30	4												
4	Roads construction II	30	15	0	0	15	2							15				15	2						
5	Foundations II	55	25	0	0	30	5							25	E			30	5						
6	Renewable energy in construction	55	25	30	0	0	4							25		30			4						
7	Prestressed structures	60	30	0	15	15	5							30	E		15	15	5						
8	BIM technology in design	45	15	0	30	0	3							15			30		3						
9	Sustainable development in construction	35	20	0	0	15	3													20				15	3
10	Materials for the repair and modernization of structures	45	30	0	0	15	4													30				15	4
11	Construction management	30	15	0	0	15	2													15				15	2
12	Unconventional materials bridges	30	15	0	0	15	3													15				15	3

Explanation of abbreviations:

E - Examination

L - Lecture

C - Classes

Lb - Laboratory

P - Project