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	Engineering geometry	55	25	0	0	30	5	25	E			30	5																																				
5	Building materials	45	15	0	30	0	3							15			30		3																														
6	Engineering graphics	50	20	0	30	0	4							20			30		4																														
7	Geodesy	75	30	0	45	0	5							30	E		45		5																														
8	Theoretical mechanics	75	45	30	0	0	6							45	E	30			6																														
9	Building physics	60	15	15	30	0	4													15		15	30		4																								
10	Strength of materials	135	60	30	15	30	10													60	E	30	15	30	10																								
11	Building engineering	105	45	0	0	60	8													30				30	4	15	E			30	4																		
12	Soil mechanics and building foundations	105	45	0	30	30	9													15			30		4	30	E			30	5																		
13	Applied hydraulics and hydrology	30	15	15	0	0	2																			15		15			2																		
14	Structural mechanics	150	60	45	15	30	11																			60	E	45	15	30	11																		
15	Concrete structures	150	60	15	15	60	11																			30		15	15	30	6	30	E			30	5												
16	Building installations	60	30	0	0	30	4																									30				30	4												
17	Computational methods	60	30	0	30	0	4																									30			30		4												
18	Bridge engineering	90	30	30	0	30	8																									15		15		15	3	15	E	15		15	5						
19	Metal structures	150	60	15	15	60	11																									30		15	15	30	6	30	E			30	5						
20	Road engineering	90	30	30	0	30	8																									15		15		15	3	15	E	15		15	5						
21	Basic knowledge of road engineering	35	20	0	0	15	3																															20				15	3						
22	Basics of bridges	35	20	0	0	15	3																															20				15	3						
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	Timber structures	35	20	0	0	15	3																															20				15	3						
26	Urban planning and architecture	45	15	0	0	30	4																															15				30	4						
27	Economics of civil engineering	30	15	0	0	15	3																																					15				15	3
28	Repairs, upgrades and remodelling	35	20	0	0	15	3																																					20				15	3
29	Diploma thesis	30	0	30	0	0	15																																							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	Complex concrete structures	45	15	0	0	30	3	15	E			30	3												
2	Complex metal structures	45	15	0	0	30	3	15	E			30	3												
3	Materials engineering	30	15	0	15	0	3	15			15		3												
4	Roads construction I	30	15	0	0	15	2	15				15	2												
5	BIM technology in design	45	15	0	30	0	3							15			30		3						
6	Foundations II	55	25	0	0	30	4							25	E			30	4						
7	Prestressed structures	60	30	0	0	30	4							30	E			30	4						
8	Renewable energy sources in building engineering	55	25	30	0	0	3							25		30			3						
9	Roads construction II	30	15	0	0	15	2							15				15	2						
10	Construction management	30	15	0	0	15	2													15				15	2
11	Materials for the repair and modernization of structures	45	30	0	0	15	3													30				15	3
12	Sustainable development in construction	35	20	0	0	15	2													20				15	2
13	Unconventional materials bridges	30	15	0	0	15	3													15				15	3

Explanation of abbreviations:

L - Lecture

C - Classes

P - Project

Lb - Laboratory

E - Examination