

COURSE CATALOGUE - Civil Engineering
RZESZÓW UNIVERSITY OF TECHNOLOGY

Bachelor's degree studies

No.	Subject	Hours in semester																																							
		Hours					I winter semester					II summer semester					III winter semester					IV summer semester					V winter semester					VI summer semester					VII 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.	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																																		
6.	Geodesy	75	30	0	45	0	5																																		
7.	Building materials	45	15	0	30	0	3																																		
8.	Strength of materials	135	60	30	15	30	11																																		
9.	Building physics	60	15	15	30	0	5																																		
10.	Building engineering	105	45	0	0	60	9																																		
11.	Soil mechanics and foundation engineering	105	45	0	30	30	9																																		
12.	Structural mechanics	150	60	45	15	30	12																																		
13.	Concrete structures	150	60	15	15	60	12																																		
14.	Computational methods	60	30	0	30	0	5																																		
15.	Building installations	60	30	0	0	30	5																																		
16.	Metal structures	150	60	15	15	60	12																																		
17.	Bridge engineering	90	30	30	0	30	8																																		
18.	Road engineering	90	30	30	0	30	8																																		
19.	Basic knowledge of road engineering	35	20	0	0	15	3																																		
20.	Basics of bridges	35	20	0	0	15	3																																		
21.	Applied hydraulics and hydrology	30	15	15	0	0	2																																		
22.	Urban planning and architecture	45	15	0	0	30	4																																		
23.	Low-energy technologies	45	30	0	0	15	4																																		
24.	Masonry structures	35	20	0	0	15	3																																		
25.	Repairs, upgrades and reconstruction	35	20	0	0	15	3																																		
26.	Timber structures	35	20	0	0	15	3																																		
27.	Economics of civil engineering	30	15	0	0	15	3																																		
28.	I step Diploma Project	30	0	30	0	0	15																																		

Master's degree studies

No.	Subject	Hours in semester																																			
		Hours					I summer semester					II winter semester					III 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										
1.	Roads construction I	30	15	0	0	15	3	15				15	3																								
5.	Complex concrete structures	45	15	0	0	30	4	15	E			30	4																								
6.	Complex metal structures	45	15	0	0	30	4	15	E			30	4																								
2.	Roads construction II	30	15	0	0	15	2							15				15																			
3.	Foundations II	55	25	0	0	30	5							25	E			30																			
4.	Renewable energy in construction	55	25	30	0	0	4							25		30																					
7.	Prestressed structures	60	30	0	15	15	5							30	E		15	15																			
8.	BIM technology in design	45	15	0	30	0	3							15				30																			
9.	Sustainable development in construction	35	20	0	0	15	3																														
10.	Materials for the repair and modernization of structures	45	30	0	0	15	4																														
11.	Construction management	30	15	0	0	15	2																														
12.	Unconventional materials bridges	30	15	0	0	15	3																														

Explanation of abbreviations:

E - Examination

L - Lecture

C - Classes

Lb - Laboratory

P - Project