COURSE CATALOGUE - Civil Engineering
RZESZÓW UNIVERSITY OF TECHNOLOGY

Bachelor's degree studies

No.	Subject	Hours						Hours in semester: 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	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	Building materials	45	15	0	30	0	3							15			30		3																														
6	Geodesy	75	30	0	45	0	5							30	E		45		5																														
7	Theoretical mechanics	75	45	30	0	0	6							45	E	30			6																														
8	Building physics	60	15	15	30	0	5													15		15	30		5																								
9	Strength of materials	135	60	30	15	30	11													60	E	30	15	30	11																								
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	Building installations	60	30	0	0	30	5																									30				30	5												
15	Computational methods	60	30	0	30	0	5																									30			30		5												
16	Bridge engineering	90	30	30	0	30	8																									15		15		15	4	15	E	15		15	4						
17	Metal structures	150	60	15	15	60	12																									30		15	15	30	7	30	E			30	5						
18	Road engineering	90	30	30	0	30	8																									15		15		15	4	15	E	15		15	4						
19	Applied hydraulics and hydrology	30	15	15	0	0	2																															15		15			2						
20	Basic knowledge of road engineering	35	20	0	0	15	3																															20				15	3						
21	Basics of bridges	35	20	0	0	15	3																															20				15	3						
22	Energy-saving technologies	45	30	0	0	15	4																															30				15	4						
23	Masonry structures	35	20	0	0	15	3																															20				15	3						
24	Repairs, upgrades and reconstruction	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	Diploma thesis	30	0	30	0	0	15																																						E	30			15

Master's degree studies

No.	Subject	Hours						Hours in semester: 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
1	Complex concrete structures	45	15	0	0	30	4	15	E			30	4												
2	Complex metal structures	45	15	0	0	30	4	15	E			30	4												
3	Materials engineering	30	15	0	15	0	3	15			15		3												
4	Roads construction I	30	15	0	0	15	3	15				15	3												
5	BIM technology in design	45	15	0	30	0	3							15			30		3						
6	Foundations II	55	25	0	0	30	5							25	E			30	5						
7	Prestressed structures	60	30	0	15	15	5							30	E		15	15	5						
8	Renewable energy sources in building engineering	55	25	30	0	0	4							25		30			4						
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	4													30				15	4
12	Sustainable development in civil engineering	35	20	0	0	15	3													20				15	3
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