

first-cycle full-time studies
from 2016/2017

No.	Course	Term I				ECTS
		Lecture	Class	Laboratory	Project	
1	Mathematics I	15 Exam	45			6
2	Mathematics II	15 Exam	30			6
3	Physics	15	15	15		3
4	Chemistry 1	30				2
5	Geology	30 Exam		15		5
6	Descriptive Geometry and Technical Drawing 1	15		15		3
7	Surveying Engineering 1	30				2
8	Free Hand Drawing			15		1
9	Elective course*	30				2
10	OHS Training 4 h/term					
11	Intellectual Property Protection 4 h/term					
12	Academic Savoire-Vivre 5 h/term					

Total	180	90	60	0	30
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150

330

* elective courses: Selected Issues from Selected Aspects from the History of European Civilization, History of Civil Engineering and Architecture, History of Music

No.	Course	Term II				ECTS
		Lecture	Class	Laboratory	Project	
1	Mathematics III	15 Exam	30			6

2	Theoretical Mechanics	15 Exam	30		15	6
3	Chemistry 2			15		1
4	Descriptive Geometry and Technical Drawing 2	15		15		2
5	Surveying Engineering 2	15 Exam		30		4
6	Information Techniques	15		15		2
7	Plastics	15		15		2
8	OHS and Ergonomy	15				1
9	English Language 1			30		2
10	Culture and Arts in Poland*	30				2
11	Histories of Building of Cities*	30				2
12	Principles of Architectural Design	15			15	2
13	Introduction to Standardisation 8 h/term					

Total	150	60	120	30	30
		210			
	360				

* elective courses (optional one of two)

No.	Course	Term III				ECTS
		Lecture	Class	Laboratory	Project	
1	Construction and Building Materials	15		30		3
2	Technology of Concrete	15		30		3
3	Materials Strength 1	15	30		15	4
4	General Construction	45 Exam	15		30	5
5	Transport Engineering	30 Exam			15	4

6	Hydraulics and Hydrology	30		15		3
7	Mathematical Statistics	15	15			3
8	English Language 2			30		2
9	Computer-Aided Design 1			30		2
10	Building Low	15				1
11	Physical Education			30		1
	Total	180	60	165	60	30/31
				285		
		465				

No.	Course	Term IV				ECTS
		Lecture	Class	Laboratory	Project	
1	Spatial Planning	30				1
2	Materials Strength 2	15	15	15	15	5
		Exam				
3	Structural Mechanics 1	15	15		15	3
4	Soil Mechanics	15	15	30		4
		Exam				
5	Construction Installation	30			15	3
6	Physics of Structures	15			15	2
7	Timber Structures	15			15	2
8	Technology of Concrete Works	15			15	2
9	English Language 3			30		2
10	Physical Education			30		1
11	Special Technologies in Road Construction*	30			15	3
12	Renovation of Structures*	30			15	3
13	Technical Items in English**	15				3

Total	195	45	105	105	30/31
		255			*
	450				

** elective course (optional one of two)

*** one of courses: Some Aspects of Material Strength, Engineering Thermodynamics, Renewable Energy

No.	Course	Term V				ECTS
		Lecture	Class	Laboratory	Project	
1	Computational Methods in Structural Mechanics	15			30	3
2	Structural Mechanics 2	15 Exam	30		15	5
3	Foundation Engineering	30 Exam			15	4
4	Concrete Structure 1	30	15		30	5
5	Metal Structures 1	30	15		15	4
6	Technology of Building Works 1	15			15	2
7	English Language 4			30 Exam		2
8	Intellectual Properties Protection	15				1
9	Organisation of Road Traffic*	15				1
10	Building Machines and Devices*	15				1
11	Technical Items in English**	15				3
Total		180	60	60	90	30
			210			
	390					

* elective course (one of two)

** one of courses: Engineering Soil Science, Structure Materials Behavior under Service Load or Innovation Solutions for Road Technology.

No.	Course	Term VI			
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		Lecture	Class	Laboratory	Project	ECTS
1	Concrete Structure 2	30 Exam			15	3
2	Metal Structure 2	30 Exam			15	3
3	Technology of Building Works 2	30 Exam			15	2
4	Economics and Cost Estimation	15			30	2
5	Fundamentals of of Bridge Construction	15			15	2
6	Fundamentals of Prefabrication	15			15	2
7	Urban Underground Infrastructure*	15			15	2
8	Road Geotechnics*	15			15	2
9	Diagnostics and Maintenance of Buildings*	15			15	2
10	Diploma Path Courses**					6
11	Professional practice - 8 week					8
12	Academic Savoire-Vivre	15				
Total						
		165	0	0	120	30
			120			
		285				

* optional one of three courses

** dependent on diploma path courses

No.	Course	Term VII				
		Lecture	Class	Laboratory	Project	ECTS
1	Organization of Building Production	30 Exam			15	5
2	Managing the investment Process	15			15	2
3	Diploms Thesis				30	15

4 Diploma Path Courses* 8

Total	45	0	0	60	30
		60			
	105				

** dependent on diploma path courses

** Diploma path – **Building Structures**

No.	Course	Term VI					Term VII				
		L	C	P	Lab	E	L	C	P	Lab	E
1	Computer Design of Concrete Structures 1								45		3
2	Fundamentals of Industrial Construction						30		1		3
						E		5			
3	Computer Design of Metal Structures				30	2					
4	Metal Composite Structures						15		1		2
								5			
5	Fundamentals of Dynamics and Stability	1	3			2					
		5	0								
6	Prestressed Concrete Structures	1	1			2					
		5	5								
Total		3	75			6	45	75			8
		0									

** Diploma path – **Road Construction**

No.	Course	Term VI					Term VII				
		L	C	P	Lab	E	L	C	P	Lab	E
1	Fundamentals of Road Design	30		15		2					
2	Technology of Road Construction	30		15	30	4					
3	Traffic Engineering						30			30	4
4	Road Maintenance						30		15	15	4

Total 60 60 6 60 60 8

**** Diploma Path – Building Engineering Technologies and Organization**

No.	Course	Term VI					Term VII					
		L	C	P	Lab	E	L	C	P	Lab	E	
1	Evaluation Quality of Concrete in Structure	1			30	2						
2	Selected Issues of Building Works Technology	1		3		2						
3	Technology of Frost-Resistant Concretes						1		1		2	
							5		5			
4	Selected Issues of Building Materials	1			15	2						
		5										
5	Building Durability						1		1		2	
							5		5			
6	Economics of Civil Engineering						3		3		4	
							0		0			
Total		4	75			6	6	60			8	
		5					0					