CIVIL ENGINEERING BSC FROM 2025 (work in progress)

Specialization of Structural Engineering

Basic subjects

Subject name	kr	EA	GY	L	F/V	félév	1	2	3	4	5	6	7	8
Mathematics Support Course	3		2		F	1	X							
Mathematics A1	6	4	1		V	1	X							
Mechanical Support Course	3		2		F	1	X							
Statics	5	1	4		V	1	X							
Civil Engineering Representation and Drawing	3		2		F	1	X							
Geology	3	1		2	F	1	X							
Surveying I.	4	1		2	V	1	X							
Civil Engineering Informatics	3			2	F	1	X							
Civil Engineering Orientation	0		2		A	1	X							
Mathematics A2	6	3	2		V	2		X						
Strength of Materials	5	1	3		V	2		X						
Environmental Protection	4	2	1		F	2		X						
Building Constructions I.	5	2	1	2	F	2		X						
Soil Mechanics	4	2	2		V	2		X						
Surveying II.	4	1		2	V	2		X						
Surveying Field Course	2				F	2		X						
PE 1	0				A	2		X						
Mathematics A3	3	1	2		F	3			X					
Civil Engineering Mechanics	3	2			F	3			X					
Basis of Design	3	2			F	3			X					
Earthworks	3	1	1		V	3			X					
Construction Materials and Civil Engineering Chemistry	6	3		2	V	3			X					
Roads	4	2	1		V	3			X					
Hydraulics	3	1	1		V	3			X					
AEC digitalization	5	1		2	F	3			X					
PE 2	0				A	3			X					
Sustainability	3	2			F	4				X				
Steel Structures	3	2	1		F	4				X				
Reinforced Concrete Structures	3	2	1		F	4				X				
Public works	3	2			V	4				X				
Railway Tracks	4	2	1		V	4				X				
Construction Management I.	4	2	1		F	4				X				
Basics of Hydraulic Engineering	6	2	2		V	4				X				
Foundation Engineering	4	1	2		V	4				X				
Eco-Hum GTK 1	3					5					X			
Eco-Hum GTK 2	4					6						X		
Eco-Hum GTK 3	4					7							X	
Eco-Hum GTK 4	3					8								X
Compulsory English 1.	4					1	X							
Compulsory English 2.	4					2		X						
Elective subject	4					7							X	

Specialization subjects

Subject name	kr	EA	GY	L	F/V	félév	1	2	3	4	5	6	7	8
RC and Masonry Structures	4	2	1		F	5					X			
Steel and Composite Structures	4	3			F	5					X			
Bridges and Infrastructures	4	2	1		V	5					X			
Building Constructions II.	6	2	2	1	V	5					X			
Analysis Methods of Structures	6	2	2		V	5					X			
Timber Structures	3	2			F	5								
Construction Materials II.	3	1		2	V	6						X		
Underground Structures, Deep Found.	4	2	1		F	6						X		
Building Constructions III.	3	1	1		V	6						X		
Steel Buildings	6	3	1		V	6						X		
Steel bridges	6	3	1		V	6						X		
Reinforced Concrete Buildings	6	3	1		V	6						X		
Reinforced Concrete Bridges	6	3	1		V	6						X		
Structural design projectwork I.	4		2		F	6						X		
Laboratory Practice of Testing of Structures and Materials	3			2	F	7							X	
Construction Management II.	5	1	2		V	7							X	
Technician training	0				A	7							X	
Structural Design and Technology	6	3	1		F	7							X	
Compulsory Elective Subject 1	3					7							X	
Preparatory projectwork for BSc Thesis	6					7							X	
Compulsory Elective Subject 2	3					8								X
BSc Thesis projectwork	15					8								X

Compulsory Elective Subjects

Subject name	kr	EA	GY	L	F/V	félév	1	2	3	4	5	6	7	8
Concrete Technology	3	2			V	5					X			
Point cloud technologies	3			2	F									
Building Energetics	3	2			V	8								
Geoinformatics	3	1		1	F									
Rock Mechanics	3	1		1	F									
Engineering geology	3	1	1		V									
Field Course of Engineering Surveying of Structures	3													
Underground construction	3			2	F									
Soil and rock testing laboratory practice	3			2										
Fire resistance	3		2		F	5v6					X	X		