

CIVIL ENGINEERING BSC FROM 2025											
Specialization in Infrastructure Engineering											
Core subjects											
Subject Name	Code	Cr.	LE	SE	LA	F/V	Sem.	Preliminary Requirement I	Preliminary Requirement II	Preliminary Requirement III	
Mathematics Support Course	BMETEMIBsMMAT0-00	3		2		F	1				
Mathematics A1	BMETEMIBsMMAT1-00	6	4	1		V	1				
Statics Support Course	BMEEOTMBsFC001-00	3		2		F	1				
Statics	BMEEOTMBsFC002-00	5	1	4		V	1				
Civil Engineering Representation and Drawing	BMEEOEMBsFC001-00	3		2		F	1				
Geology	BMEEOGMBsFC001-00	3	1		2	V	1				
Surveying I.	BMEEOAFBsFC001-00	4	1		2	V	1				
Programming Basics	BMEEOFTBsFC001-00	3			2	F	1				
Civil Engineering Orientation	BMEEODHBsFC001-00	0	1	1		A	1				
Mathematics A2	BMETEMIBsMMAT2-00	6	4	1		V	2	F BMETEMIBsMMAT1-00			
Strength of Materials	BMEEOTMBsFC003-00	5	1	3		V	2	A BMEEOTMBsFC002-00	F BMEEOTMBsFC001-00		
Environmental Protection	BMEEOVKBsFC001-00	4	2	1		F	2				
Building Constructions I.	BMEEOEMBsFC002-00	5	2	1	2	F	2	F BMEEOEMBsFC001-00			
Soil Mechanics	BMEEOGMBsFC002-00	4	2	2		V	2	F BMEEOTMBsFC002-00	F BMEEOGMBsFC001-00		
Surveying II.	BMEEOAFBsFC002-00	4	1		2	V	2	A BMEEOAFBsFC001-00			
Surveying Field Course	BMEEOAFBsFC003-00	2			48 f	F	2	P BMEEOAFBsFC002-00			
PE 1		0				A	2				
Mathematics A3	BMETEMIBsMMAT3-00	3	1	2		F	3				
Civil Engineering Mechanics	BMEEOTMBsFC004-00	3	2			F	3	F BMEEOTMBsFC002-00	A BMEEOTMBsFC003-00		
Basis of Design	BMEEOHSBsFC001-00	3	2			F	3	F BMEEOTMBsFC002-00			
Earthworks	BMEEOGMBsFC003-00	3	1	1		V	3	A BMEEOGMBsFC002-00			
Construction Materials and Civil Engineering Chemistry	BMEEOEMBsFC003-00	6	3		2	V	3	A BMEEOTMBsFC002-00			
Roads	BMEEOUVBsFC001-00	4	2	1		V	3				
Hydraulics	BMEEOVVBsFC001-00	3	1	1		V	3				
AEC Digitalization	BMEEOFTBsFC002-00	5	2		1	F	3	F BMEEOFTBsFC001-00			
PE 2		0				A	3				
Role of Civil Engineers in Sustainability	BMEEOEMBsFC004-00	3	2			F	4	F BMEEOVKBsFC001-00			
Steel Structures I.	BMEEOHSBsFC002-00	3	2	1		F	4	F BMEEOTMBsFC003-00	A BMEEOTMBsFC004-00	F BMEEOHSBsFC001-00	
Reinforced Concrete Structures I.	BMEEOHSBsFC003-00	3	2	1		F	4	F BMEEOTMBsFC003-00	A BMEEOTMBsFC004-00	F BMEEOHSBsFC001-00	
Public Works	BMEEOVKBsFC002-00	3	2			V	4				
Railway Tracks	BMEEOUVBsFC002-00	4	2	1		V	4				
Construction Management I.	BMEEPEKBsXKIV1-00	4	2	1		F	4	F BMEEOEMBsFC002-00	F BMEEOGMBsFC002-00		
Basics of Hydraulic Engineering	BMEEOVVBsFC002-00	6	2	2		V	4				
Foundation Engineering	BMEEOGMBsFC004-00	4	1	2		V	4	F BMEEOGMBsFC002-00	A BMEEOGMBsFC003-00	A BMEEOTMBsFC003-00	
<i>Economic & Human Subjects</i>											
Economic & Human Subjects 01		3					5				
Economic & Human Subjects 02		3					6				
Economic & Human Subjects 03		5					7				
Economic & Human Subjects 04		3					8				
English courses											
English for Civil Engineering 1.	BMEGT60LNGKA03-00	4					1				
English for Civil Engineering 2.	BMEGT60LNGKA04-00	4					2				
Elective subject		4					7				
Specialization in Infrastructure Engineering											
Subject Name	Code	Cr.	LE	SE	LA	F/V	Sem.	Preliminary Requirement I	Preliminary Requirement II	Preliminary Requirement III	
Pavement Structures of Roads	BMEEOUVBsFS018-00	3	2			V	5	F BMEEOUVBsFC001-00			
Railway Track Superstructure	BMEEOUVBsFS019-00	3	2			F	5	F BMEEOUVBsFC002-00			
Hydrology	BMEEOVVBsFS002-00	6	2	2		V	5	F BMEEOVVBsFC002-00			
Public Works Design and Operation	BMEEOVKBsFS003-00	6	3	1		V	5	F BMEEOVKBsFC002-00			
Basics of Environmental Modeling	BMEEOVKBsFS002-00	3	1	1		F	5	F BMEEOVKBsFC001-00			
Water Quality Management	BMEEOVKBsFS005-00	3	2	1		F	5	F BMEEOVKBsFC001-00			
Compulsory Elective 1		3					5				
Urban Transport and Development	BMEEOUVBsFS020-00	4	2			V	6	F BMEEOUVBsFC001-00			
Urban Rail Transit Systems	BMEEOUVBsFS021-00	5	2	1		V	6	F BMEEOUVBsFC002-00	F BMEEOUVBsFS019-00		
Drinking Water and Wastewater Treatment	BMEEOVKBsFS006-00	6	3	1		V	6	P BMEEOVKBsFS005-00			
Hydraulic Design	BMEEOVVBsFS001-00	6	2	2		V	6	F BMEEOVVBsFC001-00			
Hydrometric Field Course	BMEEOVVBsFS006-00	2			24f	F	6	F BMEEOVVBsFC002-00			
Compulsory Elective 2		3					6				
Design of Railroads	BMEEOUVBsFS022-00	3	2			V	7	F BMEEOUVBsFC002-00			
Highway Design	BMEEOUVBsFS023-00	3	2			V	7	F BMEEOUVBsFC001-00			
River and Lake Management	BMEEOVVBsFS008-00	5	1	2		F	7	F BMEEOVVBsFS001-00			
Nature-based Solutions in Water Management	BMEEOVKBsFS007-00	6	2	2		V	7	F BMEEOVVBsFS002-00	F BMEEOVKBsFS002-00		
Internship ^a	BMEEOVVBsFS007-00	0				A	7	F BMEEPEKBsXKIV1-00	F BMEEOVVBsFS001-00	F BMEEOVKBsFS003-00	
Internship ^b	BMEEOUVBsFS024-00	0				A	7	F BMEEPEKBsXKIV1-00	F BMEEOUVBsFS018-00	F BMEEOUVBsFS019-00	
Compulsory Elective 3		3					7				
Project work	BMEEOVVBsFS014-00	6		2		F	7	150 credits in core and specialisation subjects			
Project work	BMEEOVKBsFS015-00	6		2		F	7	150 credits in core and specialisation subjects			
Project work	BMEEOUVBsFS025-00	6		2		F	7	150 credits in core and specialisation subjects			
Bachelor Thesis	BMEEOVVBsFS015-00	15		1		F	8	According to Dean's Order			
Bachelor Thesis	BMEEOVKBsFS016-00	15		1		F	8	According to Dean's Order			
Bachelor Thesis	BMEEOUVBsFS026-00	15		1		F	8	According to Dean's Order			
Compulsory Elective Subjects of the Specialization in Infrastructure Engineering											
Earthworks and Drainage of Transportation Infrastructure	BMEEOGMBsFS011-00	3	2			F		F BMEEOGMBsFC003-00	F BMEEOVVBsFC002-00		
Point Cloud Technologies	BMEEOFTBsFS001-00	3	1		1	F					
Geoinformatics	BMEEOFTBsFS003-00	3	1		1	F					
Engineering Geology	BMEEOGMBsFS008-00	3	1	1		V		F BMEEOGMBsFC001-00			
Blue-green Infrastructure	BMEEOVKBsFS012-00	3	1	1		F		F BMEEOVKBsFC001-00			
Hydraulic Structures	BMEEOVVBsFS012-00	3	1	1		F		F BMEEOVVBsFC002-00			

Specialization entry requirements:
 Pass the following prerequisite subjects, achieving an average grade of at least 3:

- Roads BMEEOUVBsFC001-00
- Public Works BMEEOVKBsFC002-00
- Basics of Hydraulic Engineering BMEEOVVBsFC002-00