

CIVIL ENGINEERING BSC FROM 2025										
Specialization in Structural Engineering										
Core subjects										
Subject Name	Code	Cr.	LE	SE	LA	S/M/E	Sem.	Preliminary Req. I	Preliminary Req. II	Preliminary Req. III
Mathematics Support Course	BMETEMIBsMMAT0-00	3		2		M	1			
Mathematics A1	BMETEMIBsMMAT1-00	6	4	1		E	1			
Statics Support Course	BMEEOTMBsFC001-00	3		2		M	1			
Statics	BMEEOTMBsFC002-00	5	1	4		E	1			
Civil Engineering Representation and Drawing	BMEEOEMBsFC001-00	3		2		M	1			
Geology	BMEEOGMBsFC001-00	3	1			2 E	1			
Surveying I.	BMEEOAFBsFC001-00	4	1			2 E	1			
Programming Basics	BMEEOFTBsFC001-00	3				2 M	1			
Civil Engineering Orientation	BMEEODHBsFC001-00	0	1			S	1			
Mathematics A2	BMETEMIBsMMAT2-00	6	4	1		E	2 F	TEMIBsMMAT1-00		
Strength of Materials	BMEEOTMBsFC003-00	5	1	3		E	2 A	EOTMBsFC002-00	F	EOTMBsFC001-00
Environmental Protection	BMEEOVKBsFC001-00	4	2	1		M	2			
Building Constructions I.	BMEEOEMBsFC002-00	5	2	1		2 M	2 F	EOEMBsFC001-00		
Soil Mechanics	BMEEOGMBsFC002-00	4	2	2		E	2 F	EOTMBsFC002-00	F	EOGMBsFC001-00
Surveying II.	BMEEOAFBsFC002-00	4	1			2 E	2 A	EOAFBsFC001-00		
Surveying Field Course	BMEEOAFBsFC003-00	2				48 F M	2 P	EOAFBsFC002-00		
PE 1		0				S	2			
Mathematics A3	BMETEMIBsMMAT3-00	3	1	2		M	3			
Civil Engineering Mechanics	BMEEOTMBsFC004-00	3	2			M	3 F	EOTMBsFC002-00	A	EOTMBsFC003-00
Basis of Design	BMEEOHsBsFC001-00	3	2			M	3 F	EOTMBsFC002-00		
Earthworks	BMEEOGMBsFC003-00	3	1	1		E	3 A	EOGMBsFC002-00		
Construction Materials and Civil Engineering Chemistry	BMEEOEMBsFC003-00	6	3			2 E	3 A	EOTMBsFC002-00		
Roads	BMEEOUVBsFC001-00	4	2	1		E	3			
Hydraulics	BMEEOVVBsFC001-00	3	1	1		E	3			
AEC Digitalization	BMEEOFTBsFC002-00	5	2			1 M	3 F	EOTBsFC001-00		
PE 2		0				S	3			
Role of Civil Engineers in Sustainability	BMEEOEMBsFC004-00	3	2			M	4 F	EOVBsFC001-00		
Steel Structures I.	BMEEOHsBsFC002-00	3	2	1		M	4 F	EOTMBsFC003-00	A	EOHSBsFC001-00
Reinforced Concrete Structures I.	BMEEOHsBsFC003-00	3	2	1		M	4 F	EOTMBsFC003-00	A	EOTMBsFC004-00
Public Works	BMEEOVKBsFC002-00	3	2			E	4			
Railway Tracks	BMEEOUVBsFC002-00	4	2	1		E	4			
Construction Management I.	BMEEPEKBsXKIV1-00	4	2	1		M	4 F	EOEMBsFC002-00	F	EOGMBsFC002-00
Basics of Hydraulic Engineering	BMEEOVVBsFC002-00	6	2	2		E	4			
Foundation Engineering	BMEEOGMBsFC004-00	4	1	2		E	4 F	EOGMBsFC002-00	A	EOGMBsFC003-00
Economic & Human Subjects										
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 Structural Engineering										
Subject Name	Code	Cr.	LE	SE	LA	S/M/E	Sem.	Preliminary Req. I	Preliminary Req. II	Preliminary Req. III
Reinforced Concrete Structures II.	BMEEOHsBsFS001-00	4	2	1		M	5 F	EOHSBsFC003-00	F	EOEMBsFC002-00
Steel Structures II.	BMEEOHsBsFS002-00	4	3			M	5 F	EOHSBsFC002-00		
Bridges and Infrastructures	BMEEOHsBsFS003-00	4	2	1		E	5 F	EOHSBsFC002-00	F	EOHSBsFC003-00
Building Constructions II.	BMEEOEMBsFS001-00	6	2	2		1 E	5 F	EOEMBsFC002-00		
Analysis Methods of Structures	BMEEOTMBsFS001-00	6	2	2		E	5 F	EOTMBsFC003-00	P	EOTMBsFC004-00
Timber and Masonry Structures	BMEEOHsBsFS004-00	3	2			M	5 F	EOTMBsFC003-00	F	EOHSBsFC001-00
Construction Materials II.	BMEEOEMBsFS002-00	3	1			2 E	6 F	EOEMBsFC003-00		
Underground Structures, Deep Found.	BMEEOGMBsFS001-00	4	2	1		M	6 A	EOGMBsFC004-00	F	EOGMBsFC003-00
Building Constructions III.	BMEEOEMBsFS003-00	3	1	1		E	6 F	EOEMBsFS001-00		
Steel Buildings	BMEEOHsBsFS005-00	6	3	1		E	6 F	EOHSBsFS002-00		
Reinforced Concrete Buildings	BMEEOHsBsFS006-00	6	3	1		E	6 F	EOHSBsFS001-00	F	EOHSBsFS004-00
Structural Design Project work	BMEEOHsBsFS009-00	4	2			M	6 F	EOHSBsFS004-00	F	EOHSBsFS001-00
Laboratory Practice of Testing of Structures and Materials	BMEEOHsBsFS011-00	3				2 M	7 F	EOHSBsFC002-00	F	EOHSBsFC003-00
Construction Management II.	BMEEOEMBsFS004-00	5	1	2		E	7 F	EPEKBsXKIV1-00		
Internship	BMEEOHsBsFS010-00	0				S	7 F	EPEKBsXKIV1-00	F	EOHSBsFS001-01
Structural Design and Technology	BMEEOHsBsFS012-00	6	3	1		M	7 F	EOHSBsFS002-00	F	EOHSBsFS001-00
Compulsory Elective 1		3					7			
Project Work	BMEEOHsBsFS013-00	6		2		M	7	150 credits in core and specialisation subjects		
Compulsory Elective 2		3					8			
Bachelor Thesis	BMEEOHsBsFS014-00	15		1		M	8	According to Dean's Order		
Compulsory Elective Subjects of the Specialization in Structural Engineering										
Subject Name	Code	Cr.	LE	SE	LA	S/M/E	Sem.	Preliminary Req. I	Preliminary Req. II	Preliminary Req. III
Concrete Technology	BMEEOEMBsFS005-00	3	2			E		F	EOEMBsFC003-00	
Point Cloud Technologies	BMEEOFTBsFS001-00	3	1			1 M				
Geoinformatics	BMEEOFTBsFS003-00	3	1			1 M				
Rock Mechanics	BMEEOGMBsFS004-00	3	1			1 M				
Engineering Geology	BMEEOGMBsFS008-00	3	1	1		E		F	EOEMBsFC003-00	
Surveying Application in Civil Engineering	BMEEOAFBsFS016-00	3				2 M				
Fire Resistance	BMEEOEMBsFS015-00	3		2		M		F	EOEMBsFC003-00	
Economic & Human Subjects										
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Transversal skills development subjects - Career support										
Argumentation and Logic	BMEGT41BX4K000-00	3	2			M				
Communication Skills	BMEGT43BX4K000-00	3		2		M				
Making a Presentation	BMEGT51BX4K001-00	3		3		M				
Psychology of Becoming a Leader	BMEGT52BX4K000-00	3	2			M				
Workplace Success and Intrapersonal Skills	BMEGT52BX4K002-00	3		2		M				
Transversal skill development subjects - Social integration										
Ethical Decision and Action	BMEGT41BX4T001-00	3	2			M				
Social Challenges of Climate Change	BMEGT42BX4T000-00	3	2			M				
Law in the Economy	BMEGT55BX4T000-00	3	2			M				
Legal Basics	BMEGT55BX4T002-00	3	3			M				
Create Smart! - IP Basics in Practice	BMEGT55BX4T004-00	3	2			M				
Transversal skill development subjects - Business subject group										
Introduction to Management Decisions	BMEGT20BX4U000-00	3	1	1		M				
Economic Analysis of Technology	BMEGT30BX4U000-00	3	2			M				
Finance	BMEGT35BX4U000-00	3	2			M				
Accounting	BMEGT35BX4U001-00	3	2			M				
Economics of Sustainable Development	BMEGT42BX4U000-00	3	2			M				
Circular Economy	BMEGT42BX4U001-00	3	2			M				

These are the courses that must be completed in advance (marked in green) in order to enter the specialisation, with an average grade of 3.0.

• BMEEOTMBsFC004-01

• BMEEOHsBsFC002-01

• BMEEOHsBsFC003-01

The course 'Strength of Materials' (BMEEOTMBsFC003-00) must be completed with a grade of at least 3.

Mobility window semesters: 5th and 6th semesters. In the case of mobility, a preliminary credit recognition procedure must be initiated at the KKH.

Prerequisites: A: weak prerequisite; S: strong prerequisite; P: parallel prerequisite