

**CIVIL ENGINEERING BSC FROM 2017 - SPECIALIZATION IN STRUCTURAL ENGINEERING**

Subject Name	Code	Credit	Lecture	Seminar	Laborator	Consultation	Day	M/E/S	Semester	Semesters								Preliminary Requirement(s)
										1	2	3	4	5	6	7	8	
<b>Core subjects</b>																		
English for Civil Engineering 1.	BMEGT60Z911	4	4					M	1	X								
Surveying I.	BMEEOFAT45	3	1	2				F	1	X								
Chemistry of Construction Materials	BMEEOEMAT41	2	2					M	1	X								
Civil Engineering Representation and Drawing	BMEEOEMAT42	4	2	2				M	1	X								
CAD for Civil Engineers	BMEEOFAT41	2			2			M	1	X								
Geology	BMEEOGMAT41	3	1		2			E	1	X								
Basis of Statics and Dynamics	BMEEOTMAT41	6		5				E	1	X								
Mathematics A1a - Calculus	BMETE90AX00	6	4	2				E	1	X								
Physics for Civil Engineers	BMETE11AX13	2	2					M	1	X								
English for Civil Engineering 2.	BMEGT60Z912	4		4				M	2		X							
Surveying II.	BMEEOFAT42	4	2	2				E	2		X						EOAFAT41~	
Construction Materials I.	BMEEOEMAT43	5	2		2			E	2		X						EOEMAT41	
Civil Engineering Informatics	BMEEOFAT42	5	2		2			M	2		X							
Building Construction Study	BMEEOEMAT44	3	1	2				M	2		X						EOEMAT42	
Introduction to Strength of Materials	BMEEOTMAT42	6		5				M	2		X						EOTMAT41	TE90AX00~
Hydraulics I.	BMEEOVVAT42	3	2	1				E	2		X							
Mathematics A2a - Vector Functions	BMETE90AX02	6	4	2				E	2		X						TE90AX00	
Surveying Field Course	BMEEOFAT43	3					9	M	3			X					EOAFAT42!~	
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3			X					EOGMAT41	EOTMAT42
Geoinformatics	BMEEOFAT43	3	2		1			M	3			X						
Basis of Design	BMEEOHSAT41	3	2					M	3			X					EOTMAT41	
Structural Analysis I.	BMEEOTMAT43	4	4					E	3			X					EOTMAT42	TE90AX00
Railway Tracks	BMEEOUVAT41	3	3					E	3			X						
Basics of Environmental Engineering	BMEEOVKAT41	3	2					M	3			X						
Public Works I.	BMEEOVKAT42	3	2	1				E	3			X					EOVVAT42	
Hydrology I.	BMEEOVVAT41	3	2	1				M	3			X						
Mathematics A3 for Civil Engineers	BMETE90AX07	4	2	2				E	3			X					TE90AX02	
Earthworks	BMEEOGMAT43	3	2	1				E	4				X				EOGMAT42	
Steel Structures	BMEEOHSAT42	3	3					M	4				X				EOTMAT42	EOEMAT43~ EOHSAT41
Reinforced Concrete Structures	BMEEOHSAT43	3	3					M	4				X				EOTMAT42	EOEMAT43~ EOHSAT41
Roads	BMEEOUVAT42	2	2					M	4				X				EOUVAT41	
Hydraulic Engineering, Water Manag.	BMEEOVVAT43	3	2	1				E	4				X				EOVVAT41	EOVVAT42
Communication Skills for Civil Engineers	BMEGT60Z913	2		2				M	4				X					
Business Law	BMEGT55A001	2	2					M	4					X				
Foundation Engineering	BMEEOGMAT45	4	3					E	5					X			EOGMAT43	
Management and Business Economics	BMEGT20A001	4	4					M	5					X				
Micro- and Macroeconomics	BMEGT30A001	4	4					E	6					X				
Construction Management	BMEEPEKAT41	3	2	1				M	6					X			EOEMAT44	EOGMAT42
Urban and Regional Development	BMEEOUVAT43	3	2					M	7						X			
Optional subjects		4	4					M	7							X		
<b>Branch Subjects</b>																		
Building Construction I.	BMEEOEMAS42	3	1	2				E	4				X				EOEMAT44	
Timber Structures	BMEEOHSAS44	3	2					M	4				X				EOTMAT42	EOHSAT41
Strength of Materials	BMEEOTMAS41	3	2					E	4				X				EOTMAT43	
Construction Materials II.	BMEEOEMAS41	3	1		2			E	5					X			EOEMAT43	
Building Construction II.	BMEEOEMAS43	3	1	2				E	5				X				EOEMAS42	
Steel and Composite Structures	BMEEOHSAS47	4	3					M	5					X			EOHSAT42	EOHSAT43
RC and Masonry Structures	BMEEOHSAS42	4	2	1				M	5					X			EOHSAT43	EOEMAS42
Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5					X			EOHSAT42	EOHSAT43
Laboratory Practice of Testing of Structures and M	BMEEOHSAS46	2			4			M	5					X			EOHSAT42	EOHSAT43
Structural Analysis II.	BMEEOTMAS42	4	3	1				M	5					X			EOTMAS41	TE90AX07
Rock Mechanics	BMEEOGMAS41	3	1	1				M	6						X		EOGMAT41	
Underground Structures, Deep Found.	BMEEOGMAS42	3	2	1				M	6						X		EOGMAT45	
3D Constructional Modelling of Structures	BMEEOHSAS45	3	2					M	6						X		EOHSAT42	EOHSAT43
Design of Structures Projectwork	BMEEODHAS41	6			2			M	6						X		EOHSAS47	EOHSAS42 EOGMAT45
Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7						X			
Field Course of Structural Geodesy	BMEEOFAS42	1			2			M	7							X	EOAFAT43!	EOEMAT44
Dynamics of Structures	BMEEOTMAS43	3	2					M	7							X	EOTMAT43	TE90AX02
Technical Internship	BMEEODHAS42	0					20	S	7							X	EOHSAS47	EOHSAS42
<b>Specialization in Structural Engineering</b>																		
Steel Buildings	BMEEOHSAS-A1	5	3	1				E	6						X		EOHSAS47	
Reinforced Concrete Buildings	BMEEOHSAS-A2	5	3	1				E	6						X		EOHSAS42	EOHSAS44
Building Construction Methodology	BMEEOEEMA-A1	2	1	1				E	7							X	EOEMAS43	
Engineering Works	BMEEOHSAS-B3	3	2					E	7							X	EOHSAT43	EOHSAS43 EOGMAS42
Structural Design Projectwork	BMEEOHSAS-PP	6			2			M	7							X	EODHAS41	EOHSA-A1 EOHSA-A2
Preparatory Course for BSc Thesis Project	BMEEODHA-PT	9						M	8								X	EOHSA-PP
Bachelor Thesis Project	BMEEODHA-PS	15						M	8								X	EODHA-PT!
<b>Total number of credits</b>		240																
<b>Total number of classes</b>		184																
<b>Number of exams</b>		23																
<b>Recommended Optional Subjects</b>																		
Reinforced Concrete Bridges	BMEEOHSAS-B2	4	2	1				E	6						X		EOHSAS42	EOHSAS43 EOHSAS44
Hungarian Culture Part 1	BMEGT658363	4	4					M										

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semester).  
 A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.