

CIVIL ENGINEERING BSC - SPECIALIZATION IN STRUCTURAL ENGINEERING

Subject Name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester	Semesters								Preliminary Requirement(s)		
										1	2	3	4	5	6	7	8			
Core subjects																				
English for Civil Engineering 1.	BMEGT63A2E1	4	4					M	1	X										
Surveying I.	BMEEOAFAT41	3	1	2				M	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	BMEEOFTAT41	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.	BMEGT63A2E2	4	4					M	2		X									
Surveying II.	BMEEOAFAT42	4	2	2				E	2		X					EOAFAT41	EOFTAT41			
Construction Materials I.	BMEEOEMAT43	5	2	2	2			E	2		X					EOEMAT41				
Civil Engineering Informatics	BMEEOFTAT42	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	BMEEOAFAT43	3					9	M	3			X				EOAFAT42!~				
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3			X				EOGMAT41	EOTMAT42			
Geoinformatics	BMEEOFTAT43	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	BMEGT60A6EO	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	BMEEPKAT41	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					
Branch Subjects																				
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	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	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 Structural 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	BMEEOAFAS42	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			
Specialization in Structural Engineering																				
Steel Buildings	BMEEOHSA-A1	5	3	1				E	6						X		EOHSAS47			
Reinforced Concrete Buildings	BMEEOHSA-A2	5	3	1				E	6						X		EOHSAS42	EOHSAS44		
Building Construction Methodology	BMEEOEMA-A1	2	1	1				E	7						X		EOEMAS43			
Engineering Works	BMEEOHSA-B3	3	2					E	7						X		EOHSAT43	EOHSAS43	EOGMAS42	
Structural Design Projectwork	BMEEOHSA-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!			
Total number of credits		240									32	36	33	27	32	32	25	24		
Total number of classes		184									31	33	28	25	28	22	16	0		
Number of exams		23									3	4	4	4	4	3	1	0		
Recommended Optional Subjects																				
Reinforced Concrete Bridges	BMEEOHSA-B2	4	2	1				E	6								EOHSAS42	EOHSAS43	EOHSAS44	
Hungarian Culture Part 1	BMEGT58363	4	4					M												
Cross semesters: EMAT44, EMAS42, HSAT42, HSAT43, HSAS-A1, HSAS-A2, TMAT42, TMAS41, UVAT42, VVAT42, DHAS41, EKAT41																				

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.