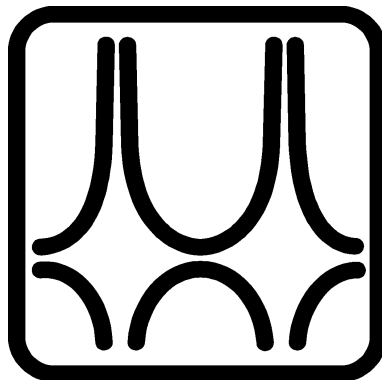




Budapest University of Technology and Economics

Timetable

**BSc-MSc Degree Program
Year 2013/14 - 2nd Semester**



Faculty of Civil Engineering

BSc-MSc course year 2013/14 2nd semester calendar

Week	Educational week	Event(#!/Odd(+))	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Saunday
6			3 February	4 February	5 February	6 February	7 February	8 February	9 February
----- Registration week, registration -----									
7	1	+	10 February Start of semes.	11 February	12 February	13 February	14 February	15 February	16 February
8	2	#	17 February	18 February	19 February	20 February	21 February	22 February	23 February
9	3	+	24 February	25 February	26 February	27 February	28 February	1 March	2 March
10	4	#	3 March	4 March	5 March	6 March	7 March	8 March	9 March
11	5	+	10 March	11 March	12 March	13 March	14 March	15 March National holiday	16 March
12	6	#	17 March	18 March	19 March	20 March	21 March	22 March	23 March
13	7	+	24 March	25 March	26 March	27 March	28 March	29 March	30 March
14	8	#	31 March	1 April	2 April	3 April	4 April	5 April	6 April
15	9	+	7 April	8 April	9 April	10 April	11 April	12 April	13 April
----- Vásárhelyi Napok ----->									
16	10	#	14 April	15 April	16 April	17 April	18 April	19 April	20 April
17	11	+	21 April Easter	22 April	23 April	24 April	25 April	26 April	27 April Easter
18	12	#	28 April	29 April	30 April	1 May Workers' Day	2 May rest-day	3 May	4 May
19	13	+	5 May	6 May	7 May	8 May	9 May	10 May # Friday working day	11 May
20	14	#	12 May	13 May	14 May	15 May	16 May	17 May	18 May
End of semes.									
21			19 May	20 May	21 May	22 May	23 May	24 May	25 May
----- Completion week -----									
22			26 May Start of exam period	27 May	28 May	29 May	30 May	31 May	1 June
23			2 June	3 June	4 June	5 June	6 June	7 June	8 June
24			9 June Pentecost	10 June	11 June	12 June	13 June	14 June	15 June Pentecost
25			16 June	17 June	18 June	19 June	20 June	21 June	22 June
26			23 June End of MSc exam period	24 June	25 June	26 June	27 June End of BSc exam period	28 June	29 June

In BSc course due to field courses the last examination day for the subjects at the Faculty of Civil Engineering is 27 June

Semester

Completion week

Exam period

Holidays

Pre-Engineering Courses in Civil Engineering

Subjects		Semesters (lectures)		Cross semester
Name	Code	1	2	
Basic Mathematics I.	BMETETOPB22	4		Y
Basic Informatics	BMEEOFTPRE1	4		N
Engineering Sciences	BMETETOP117	4		N
Technical Drawing	BMEEOMEPRE2	4		N
Freehand Drawing for CE	BMEEPRA121	2		N
Design Skills	BMEEPRA111	2		N
Compulsory English for Pre-Eng. Students I.	BMEGT63A201	6		N
Basic Mathematics II.	BMETETOPB23		5	N
Basic Mechanics	BMEEOTMPRE3		5	N
Basic Surveying	BMEEOAFP4		4	N
Basic Hydraulics	BMEEOVVPRE5		2	N
Fundamental of Structures	BMEEPSTG201		4	N
Compulsory English for Pre-Eng. Students II.	BMEGT63A202		6	N

**For students of BME of Civil Engineering only criteria subjects (no credit points)
Students can enter the Bsc degree program only after completing all the subjects
of the Pre-Engineering Courses in Civil Engineering**

	2013/14 2nd Semester	Pre-Engineering Courses in Civil Engineering			
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00		Basic Mechanics BMEEOFTPRE3 K.mf78		Basic Hydraulics BMEEOFTPRE5 K.f15	Basic Mathematics II. BMETETOPB23 K.376
9:15-10:00					
10:15-11:00		Basic Surveying BMEEOFTPRE4 K.mf22	Basic Surveying BMEEOFTPRE4 K.mf22		Basic Mechanics BMEEOFTPRE3 K.376
11:15-12:00					
12:15-13:00		Fundamental of Struct. BMEEPSTG201 K.221	C. English for PE. II. BMEGT63A202 K.392	C. English for PE. II. BMEGT63A201 K.392	
13:15-14:00					
14:15-15:00					
15:15-16:00		Basic Mathematics II. BMETETOPB23 K.376		Fundamental of Struct. BMEEPSTG201 K.221	
16:15-17:00					
17:15-18:00			Basic Mathematics I. BMETETOPB22 K.376	Basic Mathematics I. BMETETOPB22 K.376	
18:15-19:00					

EMK	EPK	TTK	GTK	Cross-semester
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Curriculum of BSc in Civil Engineering, Branch of Structural Engineering, Major of Buildings

Subjects		Semesters (lecture/seminar/exam/credits)								Pre-requisites		
Name	Code	1	2	3	4	5	6	7	8	1	2	3
Compulsory English 1.	BMEGT63A3E1	0/4/t/4										
Compulsory English 2.	BMEGT63A3E2		0/4/t/4									
Communication Skills for Civil Engineers	BMEGT60A6EO			0/2/t/2								
Mathematics A1a - Calculus	BMETE90AX00	4/2/e/6										
Mathematics A2a - Vector Functions	BMETE90AX02		4/2/e/6							Mat1		
Mathematics A3 for Civil Engineers	BMETE90AX07			2/2/e/4						Mat2		
Physics for Civil Engineers	BMETE11AX13		2/0/t/2							Mat1		
Civil Eng. Representation and Drawing	BMEEOMEAT01	2/2/t/4										
Chemistry of Construction Materials	BMEEOMAT02	2/0/t/2										
Statics	BMEEOTMAT03	2/3/e/6										
Strength of Materials	BMEEOTMAT04		3/3/e/6							Mat1	AT03	
Dynamics	BMEEOTMAT05			2/1/e/3						AT04		
Technical Informatics	BMEEOFTAT06	1/1/t/2										
Civil Engineering Informatics	BMEEOFTAT31		2/2/t/5							AT06		
Surveying I.	BMEEOAFAT08	2/2/t/4										
Surveying II.	BMEEOAFAT09		1/2/e/3							AT08		
Introduction to Geoinformatics	BMEEOFTAT10			2/1/t/3						AT31	AT09	
Geology	BMEEOMAT11	1/2/e/3										
Construction Materials I.	BMEEOMAT12		1/2/t/3							AT02		
Soil Mechanics	BMEEOGTAT13			2/2/e/4						AT04	AT11	
Earthworks	BMEEOGTAT14				2/1/t/3					AT13		
Foundation Engineering	BMEEOGTAT15					2/1/e/4				AT14		
Basis of Design	BMEEOHSAT16			2/0/t/2						AT04		
Steel Structures I.	BMEEOHSAT17				2/1/t/3					Mat2	AT12	AT16
Reinforced Concrete Structures I.	BMEEOHSAT18				2/1/e/4					Mat2	AT12	AT16
Timber and Masonry Structures	BMEEOHSAT19			2/1/t/3						AT04	AT12	
Building Construction Study	BMEEOMEAT20			2/1/t/3						AT01		
Roads	BMEEOUVAT21			2/1/t/3						AT09		
Railway Tracks	BMEEOUVAT22				2/1/e/3					AT09		
Basics of Environmental Engineering	BMEEOVKAT23				2/0/t/2							
Public Works	BMEEOVKAT24			2/2/e/4						AT25	AT26	
Hydrology I.	BMEEOVVAT25	2/1/e/3										
Hydraulics I.	BMEEOVVAT26		2/1/e/3									
Hydraulic Engineering, Water Management	BMEEOVVAT27				2/2/t/4					AT25	AT26	
Micro- and Macroeconomics	BMEGT30A001						4/0/e/4					
Management and Enterprise	BMEGT20A001							4/0/t/4				
Business Law	BMEGT55A001				2/0/t/2							
Urban and Regional Development	BMEEOUVAT28					3/0/t/3				AT26		
Theory of Administration, Real-estate Registration	BMEEOUVAT29							3/0/t/3				
Construction Management - Estimates	BMEEPEKAS01					1/2/t/3				AT13	AT18	
Construction Management - Contracting	BMEEPEKAS02						0/2/e/2			AS01		
Rock Mechanics	BMEEOMAS03						1/1/t/2			AT11	AT19	
Construction Materials II.	BMEEOMAS04					2/2/e/4				AT12		
Structural Analysis	BMEEOTMAS05				2/3/e/5					Mat2	AT04	
Finite Element Modelling	BMEEOTMAS06					1/2/t/4				AS05		
Steel Structures II.	BMEEOHSAS07				2/1/t/4					AT17	AS05	
Reinforced Concrete Structures II.	BMEEOHSAS08				2/2/e/4					AT18	AS05	
Bridge Construction	BMEEOHSAS09						2/1/e/4			AS07	AS08	
Constructional Technology	BMEEOHSAS10						1/2/t/3			AS07	AS08	
Underground Structures, Deep Foundation	BMEEOGTAS11						3/1/t/4			AT15		
Building Construction I.	BMEEOMEAS12				2/1/t/4					AT20		
Building Construction II.	BMEEOMEAS13					2/1/e/3				AS12		
Residential Building Design	BMEEOMEAS14						1/2/t/3			AS13		
Surveying Field Course	BMEEOAFAT30		9n/t/3							AT09!		
Laboratory Practice of Testing of Str.&Mat.	BMEEOHSAS15							9n/t/3		AT19	AS07	AS08
Field Course of Structure Geodesy	BMEEOAFAS16					3n/t/1				AT17	AT18	AT30
Industrial Practice	BMEEODHAS17						4weeks			AS01!		
Steel Buildings	BMEEOHSASA1							2/2/e/5		AS07		
Reinforced Concrete Buildings	BMEEOHSASA2							2/2/e/5		AS08		
Timber Structures	BMEEOHSASA3							2/1/t/3		AT19		
Strengthening of Structures	BMEEOHSASA4							1/1/e/2		AS08		
Composite Building Structures	BMEEOHSASA5							1/1/e/2		AS07		
Industrial and Agricultural Building Design	BMEEOMEASA6						1/2/e/3			AS13		
Elective subject	BMEEO**A***							4cr.				
Diploma project	BMEEODHASDM								24cr.	min. 204 cr.		
Total credits		34	35	31	30	30	30	26	24	Total		240cr.

Elective subjects:

Surveying for Engineering Planning	BMEEOAFAS12							2/2/e/4		AT30		
Beginners' Hungarian Course	BMEGT658151							0/4/t/4				

Cross semesters: TMAT05, AFAT08, EMAT11, HSAT16, UVAT21, VKAT24, VVAT25, EMAS04, HSASA1, HSASA4, HSASA5

2013/14 2nd Semester		BSc Civil Engineering 1st year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Strength of Materials K.mf78	CE Physics K.f86	Hydraulics I. K.f10	Mathematics A2a K.376	English II. K.f85
10:15-12:00	CE Informatics K.f86	+ Surveying II. K.GLabA	+Strength of Materials K.376	A1 Constr. Materials I. MM.L4	Mathematics A2a K.374
		# Constr. Materials I. K.184	# Strength of Materials K.376		
12:15-14:00	English II. K.f85	Surveying II. K.GLabA	Strength of Materials K.376	A1 CE Informatics K.183a	+ Geology K.184
		Surveying I. K.GLabB		A2 CE Informatics K.183b	
14:15-16:00	Mathematics A2a K.376	Surveying I. K.GLabB	Hydrology I K.f10	+ Hydraulics I. K.f10	Geology K.184
				#Hydrology I. K.f10	

2013/14 2nd Semester		BSc Civil Engineering 2nd year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Steel Structures I K.f86	Hydr. Eng. Water Man. K.f15	Basics of Env. Eng. K.389	Building Construction I K.f10	Structural Analysis K.370
10:15-12:00	Business Law K.389	Hydr. Eng. Water Man. K.f15	+ Steel Structures I. K.f10	+ Building Construction I K.f10	
			#Reinf. Concr. Str. I. K.f10	# Railway Tracks K.389	Dynamics K.375
12:15-14:00	# Earthworks K.389	Structural Analysis K.f86	Earthworks K.389	Reinf. Concr. Str. I. K.389	Dynamics K.375
	+ Roads K.374				
14:15-16:00	Roads K.374	Public Works K.mf31	Basis of Design K.374	Public Works K.374	Railway Tracks K.f82

2013/14 2nd Semester		BSc Branch of Structural Engineering 3rd year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Res.Building Design K.375	Reinf. Concr. Buildings EL111	Micro&Macroeconomics K.f88	Reinf. Concr. Buildings EL111	Underground Str. K.mf21
	Res.Building Design K.375	Constr. Materials II. MM.L3			
10:15-12:00	I&A Building Design K.375	Bridge Construction EL111	Constr. Man.-Contr. K.375	+ Constr. Technology EL111	+ Underground Str. K.374
			Constr. Man.-Contr. K.375	# Bridge Construction EL111	# Underground Str. K.374
12:15-14:00	I&A Building Design K.375	Constr. Technology EL111	Timber Structures K.375	Micro&Macroeconomics K.f88	# Rock Mechanics K.184
					+ Rock Mechanics MM.105
14:15-16:00	Constr. Materials II. MM105	+ Strengthening of Str. K.375	+ Composite Building Str. K.375	Steel Buildings K.375	+ Timber Structures K.f12

2013/14 2nd Semester		Pre-MSc in Structural Engineering			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Strength of Materials K.mf78	Reinf. Concr. Buildings EL111		Reinf. Concr. Buildings EL111	Structural Analysis K.mf78
10:15-12:00	CE Informatics K.f86	Bridge Construction EL111	+Strength of Materials # Strength of Materials	# Bridge Construction EL111	
12:15-14:00		Structural Analysis K.mf78	Strength of Materials K.376	A1 CE Informatics K.183a A2 CE Informatics K.183b	

Civil Engineering	Structural Engineering	Cross-semester
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Curriculum of MSc in Structural Engineering, Major in Computational Structural Engineering

Subjects		Semesters (lect/sem/exams/credits)			Pre-requisites	
Név	Kód	1	2	3	1	2
Advanced Mathematics	BMETE90MX33	2/1/e/3				
Physic Laboratory	BMETE11MX22		0/1/t/1			
Numerical Methods	BMEEOFTMKT2		1/2/e/3			
Database Systems	BMEEOFTMKT3	2/0/t/2				
Advanced Mechanics	BMEEOTMMST9	2/2/e/4				
Finite Element Method I.	BMEEOTMMST0	2/0/e/2				
FEM Modelling of Structures	BMEEOHSMB01	5d/t/2			MST0!	
Management Accounting and Controlling	BMEGT35M410			3/0/t/4		
Engineering Ethics	BMEGT41M004			2/0/t/2		
Decision Supporting Methods	BMEEPEKMST4	2/0/t/2				
Structural Reliability	BMEEOHSMST5	2/0/t/2				
Structural Dynamics	BMEEOTMMB02	2/2/t/5				
Stability of Structures	BMEEOTMMB03	2/2/e/5				
Material Models and Plasticity	BMEEOTMMB04		2/1/t/4			
Finite Element Method II.	BMEEOTMMB05		2/1/e/4		MB01	
Differentiated Subjects		3 cr.	17 cr.			
Elective Subjects				5 cr.		
Diploma Project	BMEEODHMSDM			t/20		
Total credits		30	29	31		
Exams		4	4	0		

Differentiated Subjects

Numerical Models for Structures	BMEEOTMMB06		2/0/t/3			
Structural Analysis Theory	BMEEOTMMB07	1/1/t/3				
Seismic Design	BMEEOHSMC03		1/1/t/3		MB02	
Conceptual Design	BMEEOHSMB08		2/0/t/3			
FEM Based Structural Design	BMEEOHSMB09		1/2/t/4		MB01	MB03
Geotechnical Design	BMEEOGTMCT1		2/1/e/4			
Numerical Modelling in Geotechnics	BMEEOGTMC05		1/1/t/3			
Extreme Actions of Structures	BMEEOHSMB10	2/0/t/3				
Fracture Mechanics and Fatigue	BMEEOHSMB11		3/0/e/4			

Min. 20 credits (from 30) of differentiated subjects have to be completed!

	MSc in Computational Structural Engineering Fall semester				
	2013/14/2nd Semester Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00			Finite Element Meth. II. BMEEOTMMB05 EA K.mf78		Numerical Methods BMEEOFTMKT2
9:15-10:00					Numerical Methods K.183b
10:15-11:00	Mat. Mod & Plasticity BMEEOTMMB04 EA K.mf78	Seismic Design BMEEOHSMC03 EA K.mf78	Finite Element Meth. II.	Num. Mod for Structures BMEEOTMMB06 EA K.mf78	
11:15-12:00			FEM Based Str. Design BMEEOHSMB09		Frac. Mech. & Fatigue BMEEOHSMB11 EA K.mf78
12:15-13:00	Mat. Mod & Plasticity		FEM Based Str. Design K.mf78		
13:15-14:00	Geotechnical Design BMEEOGTMCT1 EA K.mf78				Num. Mod. In Geotech. BMEEOGTMC05 EA, K.mf21
15:15-16:00	Geotechnical Design	Conceptual Design BMEEOHSMB08 EA K.mf78	Physic Laboratory BMETE11MX22 F.32.L1 3 times in the sem.		Num. Mod. In Geotech.
16:15-17:00					
17:15-18:00					