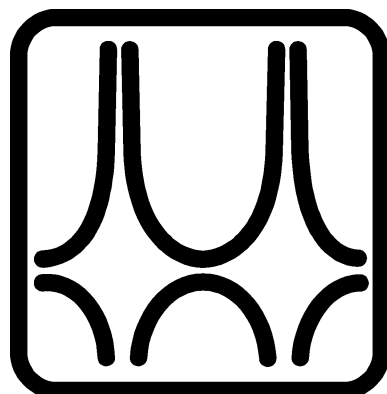




**Budapest University of Technology and Economics**

# Timetable

**Year 2014/15 - 1st Semester**



**Faculty of Civil Engineering**

## BSc-MSc course year 2014/15 1st semester calendar

Week	Educational week	Even(#)/Odd(+)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	0		1 September	2 September	3 September	4 September	5 September	6 September	7 September
----- Registration week, registration -----									
35	1	+	8 September <b>Start of semes.</b>	9 September	10 September	11 September	12 September	13 September	14 September
36	2	#	15 September	16 September	17 September Sports Day	18 September	19 September	20 September	21 September
37	3	+	22 September	23 September	24 September	25 September	26 September	27 September	28 September
38	4	#	29 September	30 September	1 October	2 October	3 October	4 October	5 October
39	5	+	6 October	7 October	8 October	9 October	10 October	11 October	12 October
40	6	#	13 October	14 October	15 October	16 October	17 October	18 October + Friday working day	19 October
41	7	+	20 October	21 October	22 October	23 October National Day	24 October rest-day	25 October	26 October
42	8	#	27 October	28 October	29 October	30 October	31 October	1 November All Saints' Day	2 November
43	9	+	3 November	4 November	5 November	6 November	7 November	8 November	9 November
44	10	#	10 November	11 November Students' Scientific Con.	12 November	13 November	14 November	15 November	16 November
45	11	+	17 November	18 November	19 November	20 November	21 November Open Day	22 November	23 November
46	12	#	24 November	25 November	26 November	27 November	28 November	29 November	30 November
47	13	+	1 December	2 December	3 December	4 December	5 December	6 December	7 December
48	14	#	8 December	9 December	10 December	11 December	12 December <b>End of semes.</b>	13 December working day	14 December
49		+	15 December	16 December	17 December	18 December	19 December	20 December	21 December
----- Completion week -----									
50		#	22 December <b>Start of exam period</b>	23 December	24 December rest-day	25 December Christmas	26 December Christmas	27 December	28 December
51		+	29 December Winter break	30 December Winter break	31 December Winter break	1 January New Year's Day	2 January	3 January	4 January
52		#	5 January	6 January	7 January	8 January	9 January	10 January	11 January
53		+	12 January	13 January	14 January	15 January	16 January	17 January	18 January
54		#	19 January	20 January	21 January	22 January	23 January	24 January	25 January
55			26 January	27 January	28 January <b>End of exam period</b>	29 January Winter break	30 January Winter break	31 January	1 February

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	BMEEPRAG121	2		N
Design Skills	BMEEPRAG111	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	BMEEOAFPRE4		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**

	Pre-Engineering Courses in Civil Engineering				
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00	<b>Technical Drawing</b> BMEEOMEPRE2 K.138			<b>Technical Drawing</b> BMEEOMEPRE2 K.138	
9:15-10:00					
10:15-11:00			<b>Engineering Sciences</b> BMETETOP117 K.364	<b>Basic Mathematics</b> BMETETOPB22 K.351A	
11:15-12:00					
12:15-13:00	<b>Basic Mathematics</b> BMETETOPB22 K.351A	<b>Basic Informatics</b> BMEEOFTPRE1 K.183a	<b>C. English for PE. I.</b> BMEGT63A201 K.392		
13:15-14:00					
14:15-15:00		<b>Freehand Drawing for CE</b> BMEEPRAG121 K.3R1	<b>Engineering Sciences</b> BMETETOP117 K.364	<b>C. English for PE. I.</b> BMEGT63A201 K.392	
15:15-16:00					
16:15-17:00	<b>Basic Informatics</b> BMEEOFTPRE1 K.183b	<b>Design Skills</b> BMEEPSTG201 K.3R1			
17:15-18:00					

EMK	EPK	TTK	GTK
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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							Math1		
Mathematics A3 for Civil Engineers	BMETE90AX07			2/2/e/4						Math2		
Physics for Civil Engineers	BMETE11AX13		2/0/t/2							Math1		
Civil Eng. Representation and Drawing	BMEEOMEAT01	2/2/t/4										
Chemistry of Construction Materials	BMEEOEMAT02	2/0/t/2										
Statics	BMEEOTMAT03	2/3/e/6										
Strength of Materials	BMEEOTMAT04		3/3/e/6							Math1	AT03	
Dynamics	BMEEOTMAT05			2/1/e/3						AT04		
Technical Informatics	BMEEOFAT06	1/1/t/2										
Civil Engineering Informatics	BMEEOFAT31		2/2/t/5							AT06		
Surveying I.	BMEEOAFAT08	2/2/t/4										
Surveying II.	BMEEOAFAT09		1/2/e/3							AT08		
Introduction to Geoinformatics	BMEEOFAT10			2/1/t/3						AT31	AT09	
Geology	BMEEOEMAT11	1/2/e/3										
Construction Materials I.	BMEEOEMAT12		1/2/t/3							AT02		
Soil Mechanics	BMEEOGTAT13			2/2/e/4						AT04	AT11	
Earthworks	BMEEOGTAT14				2/1/e/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					Math2	AT12	AT16
Reinforced Concrete Structures I.	BMEEOHSAT18				2/1/e/4					Math2	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	BMEEOEMAS03						1/1/t/2			AT11	AT19	
Construction Materials II.	BMEEOEMAS04					2/2/e/4				AT12		
Structural Analysis	BMEEOTMAS05				2/3/e/5					Math2	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	BME****A***								4cr.			
Diploma project	BMEEODHASDM								24cr.	min. 204 cr.		
<b>Total credits</b>		<b>34</b>	<b>35</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>30</b>	<b>25</b>	<b>24</b>	<b>Total</b>		<b>240cr.</b>

### Elective subjects:

Surveying for Engineering Planning	BMEEOAFASI2							2/2/e/4		AT30		
Beginners' Hungarian Course	BMEGT658151							0/4/t/4				

**Cross semesters: AFAT09, EMAT12, VVAT26, HSAT17, HSAT18, TMAS05, HSASA2**

2014/15 1st Semester		BSc Civil Engineering 1st year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	A1 Compulsory English 1. K.f85	Chemistry for Civ. Eng. MM105	+Geology K.f99	+ Tech. Informatics K.370	
			#A1 Hydrology I K.376	#A1/A2 Tech. Informatics K.183a/K.183b	
10:15-12:00	Hydrology I K.f15		A1 Civil Eng. Represent. K.373	A1 Surveying I. K.GLabA A2 Surveying I. K.GLabB	A1 Statics K.376
12:15-14:00		Surveying I. K.374	A1 Compulsory English 1. K.f85	+ Home Class K.mf78	A1 Geology K.184
14:15-16:00	Statics K.mf78			+A1 Statics K.mf78	A2 Geology K.184
16:15-18:00		Civil Eng. Representation K.375	Mathematics A1a K.375	Mathematics A1a K.375	
-19:00				Mathematics A1a	

2014/15 1st Semester		BSc Civil Engineering 2nd year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Roads K.f99	# Hydraulics I. K.mf31	+A1 Dynamics K.mf78	A1 CE Mathematics A3 K.371	Timber&Masonry Str. K.389
	+ Surveying II. K.mf22	A1 Public Works K.374 A2 Public Works K.376 A3 Public Works K.375	#A1 Roads K.f99		
10:15-12:00	Soil Mechanics K.mf21	Basis of Design K.f88	CE Mathematics A3 K.376	+A1 Intro. Geoinform. K.183b #A2 Intro. Geoinform. K.183b	+A1/#A2 Timber&Masonry S. #A1/+A2 Building Constr. St.
12:15-14:00	Dynamics K.mf78	Intro Geoinformatics K.f86	#Constr. Materials I. K.389	Building Constr. Study K.f88	A1 Soil Mechanics K.mf21
14:15-16:00	Public Works K.f88 Hydraulics I. K.mf31	#A3 Building Constr. St. K.374	A1,A2,A3 Constr. Materials I. MM.I3,MM.L4,MM.P	A1 Commun. S. for CE K.f85 A1 Surveying II. K.GLabC	

2014/15 1st Semester		BSc Branch of Structural Engineering 3rd year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Man. & Business Econ. K.f88	RC Structures II. EL111	A1 Finite Element Mod. K.mf21	Building Construction II. K.376	+ A1 Foundation Eng. K.mf21
10:15-12:00	Steel Structures II. EL111	A1 RC Structures II. EL111	+Finite Element Mod. K.f12	Construction Materials II. MM105	Foundation Eng. K.mf21
			#Constr. Management K.f12		
12:15-14:00	A1 Steel Structures II. EL111 +A1 Structural Analysis K.f99	A1 Constr. Management K351A	Structural Analysis K.f12	A1 Construction Materials II MM.L3 A2 Construction Materials II MM.L4	+A1 Building Constr. II. K.138
14:15-16:00	Structural Analysis K.f99	Steel Structures I K.f81	Man. & Business E. K.f88 Reinf. Concr. Str. I. K.372	A2 Finite Element Mod. K.mf21	+Field C. of Str.Geod. K.mf22
16:15-18:00		A1 Steel Structures I	A1 Reinf. Concr. Str. I.		

2014/15 1st Semester		BSc Branch of Structural Engineering 4th year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Man. & Business Econ. K.f88	Surveying for Eng. Pl. TSZ	Composite Building Str.	+Strength. of Structures	
			Composite Building Str.	#Strength. of Structures	
10:15-12:00		Surveying for Eng. Pl. TSZ	Steel Buildings EL111	Timber Structures EL111	
12:15-14:00		Reinf. Concr. Buildings EL111	A1 Steel Buildings EL111	A1 Timber Structures Reinf. Concr. Buildings EL111	
14:00-16:00		Testing of Str. & Materials 14-20 EL111 & MM.P	Man. & Business Econ. K.f88		
16:00-18:00	Urban and Reg. Dev. 16:15-19:00 K.f88			Th. of Adm., Real Est. R. 16:15-19:00 K.f88	

Civil Engineering	Structural Engineering	Bsc elective
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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				
Physisc 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!	
Accounting, Controlling, Taxation	BMEGT35M014			2/0/t/2		
Corporate Finance	BMEGT35M411	2/0/t/2				
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	
<b>Differentiated Subjects</b>		3 cr.	17 cr.			
<b>Elective Subjects</b>				5 cr.		
<b>Diploma Project</b>	BMEEODHMSDM			t/20		
Total credits		32	29	29		
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	BMEEOHSMC04		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	BMEEOGTMC1		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!**

	2014/15 1st Semester	MSc in Computational Structural Engineering Fall semester			
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00	<b>Engineering Ethics</b> BMEGT41M004 EA K.mf78	<b>Decision Supporting M.</b> BMEEPEKMST4 EA K.mf78	#A1 Advanced Mathematics K.mf78	<b>Extr. Actions of Str.</b> BMEEOHSMB10 EA K.mf78	A1 Advanced Mechanics
9:15-10:00					
10:15-11:00	<b>Advanced Mathematics</b> BMETE90MX33 EA K.mf78	<b>Structural Dynamics</b> BMEEOTMMB02 EA K.mf78	A1 Stability os Structures K.mf78	<b>Finite Element Method I.</b> BMEEOTMMST0 EA K.mf78	<b>Structural Reliability</b> BMEEOHSMST5 EA K.mf78
11:15-12:00					
12:15-13:00		<b>Stability of Structures</b> BMEEOTMMB03 EA K.mf78	<b>Database Systems</b> BMEEOFTMKT3 EA K.183b		A1 Structural Dynamics K.mf78
13:15-14:00					
14:15-15:00		<b>Corporate Finance</b> BMEGT35M411 TSZ	<b>Advanced Mechanics</b> BMEEOTMMST9 EA K.mf78		
15:15-16:00					
16:15-17:00		<b>Accounting, Control, Taxation</b> BMEGT35M014 TSZ	<b>Structural A. Theory</b> BMEEOTMMB05 EA, K.mf78		
17:15-18:00			A1 Structural A. Theory		