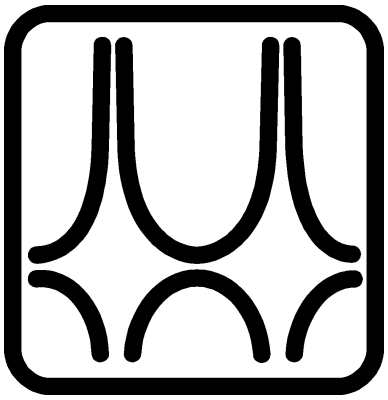
Budapest University of Technology and Economics

Timetable

Year 2015/16 - 1st Semester



Faculty of Civil Engineering

BSc-MSc course year 2015/16 1st semester calendar

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

Semester

Completion week Exam. period Holidays

Pre-Engineering Courses in Civil Engineering

Subjects		Semesters (lectures)		Cross
Name	Code	1	2	semester
Basic Mathematics I.	BMETETOPB22	4		Y
Basic Informatics	BMEEOFTPRE1	4		N
Engineering Sciences	BMETETOP117	4		N
Technical Drawing	BMEEOEMPRE2	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

	2015/16 1st Semester	Pre-Engineering Courses in Civil Engineering			
	Monday	**Thuesday**		**Thursday**	**Friday**
8:15--9:00	**Technical Drawing** BMEEOEMPRE2 K.374	**Technical Drawing** BMEEOEMPRE2 K.374			
9:15--10:00					
10:15--11:00		**Engineering Sciencies** BMETETOP117 K.221	**Engineering Sciencies** BMETETOP117 K.221	**Basic Mathematics** BMETETOPB22 K.351A	
11:15--12:00					
12:15--13:00	**Basic Mathematics** BMETETOPB22 K.351A	**Basic Informatics** BMEEOFTPRE1 K.183a	**C. English for PE. I.** BMEGT63A201 K.392		
13:15--14:00					
14:15--15:00	**Basic Informatics** BMEEOFTPRE1 K.183b			**C. English for PE. I.** BMEGT63A201 K.392	
15:15--16:00					
16:15--17:00		**Freehand Drawing for CE** BMEEPRAG121 K.3R1			
17:15--18:00					
18:15--19:00		**Design Skills** BMEEPSTG201 K.3R1			
19:15--20:00					

EMK	EPK	TTK	GTK

CIVIL ENGINEERING BSC FROM 2015 - BRANCH OF STRUCTURAL ENGINEERING - MAJOR OF BUILDINGS

Subject name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	semester	semesters 1	2	3	4	5	6	7	8	Preliminary requirement(s)		
Basic subjects																				
Compulsory English 1.	BMEGT63A3E1	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								-		
Compulsory English 2.	BMEGT63A3E2	4		4				M	2		X							-		
Surveying II.	BMEEOAFAT42	4	2	2				E	2		X							EOAFAT41	EOFTAT41	
Construction Materials I.	BMEEOEMAT43	5	2		2			E	2		X							EOEMAT41		
Civil Engineering Informatics	BMEEOFTAT42	5	2	2				M	2		X							EOFTAT41		
Soil Mechanics	BMEEOGMAT42	4	2	2				M	2		X							EOGMAT41		
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~		
Building Construction Study	BMEEOEMAT44	3	1	2				M	3			X						EOEMAT42		
Geoinformatics	BMEEOFTAT43	3	2	1				M	3			X						EOAFAT42		
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						EOAFAT41		
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	
Construction Management	BMEEPEKAT41	3	2	1				M	4				X					EOEMAT44	EOGMAT42	
Business Law	BMEGT55A001	2	2					M	4				X					-		
Foundation Engineering	BMEEOGMAT44	4	2	1				E	5					X				EOGMAT43		
Management and Enterprise	BMEGT20A001	4	4					M	5					X				-		
Micro- and Macroeconomics	BMEGT30A001	4	4					E	6						X			-		
Communication Skills for Civil Engineers	BMEGT60A6EO	2		2				M	6						X			-		
Urban and Regional Development	BMEEOUVAT43	3	2					M	7							X		EOVVAT42		
Elective subject		4	4					M	7							X				
Branch of Structural Engineering																				
Building Construction I.	BMEEOEMAS42	3	1	2				E	4				X					EOEMAT44		
Timber Structures	BMEEOHSAS44	3	2					M	4				X					EOTMAT42	EOEMAT43	
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	EOHSAT41	
Steel and Composite Structures	BMEEOHSAS41	4	2	1				M	5					X				EOHSAT42	EOHSAT43	
RC and Masonry Structures	BMEEOHSAS42	4	2	1				M	5					X				EOHSAT43	EOEMAS42	EOTMAT43
Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5					X				EOHSAT42	EOHSAT43	
Laboratory Practice of Testing of Structures and Mat.	BMEEOHSAS46	2			4			M	5					X				EOHSAT42	EOHSAT43	
Structural Analysis II.	BMEEOTMAS42	4	3	1				M	5					X				EOTMAT43	EOTMAS41	TE90AX07
Rock Mechanics	BMEEOGMAS41	3	1	1				M	6						X			EOGMAT41	EOGMAT42	
Underground Structures, Deep Found.	BMEEOGMAS42	3	2	1				M	6						X			EOGMAT44		
3D Design	BMEEOHSAS45	3		2				M	6						X			EOHSAT42	EOHSAT43	EOFTAT42
Design of Structures Projectwork	BMEEODHAS41	6				2		M	6						X			EOHSAS41	EOHSAS42	EOGMAT44
Theory of Administration, Real-estate Registration	BMEEOUVAT44	3	2					M	7							X		GT55A001		
Field Course of Structural Geodesy	BMEEOAFAS42	1			2			M	7							X		EOAFAT43	EOHSAT42	EOHSAT43
Dynamics of Structures	BMEEOTMAS43	3	2					M	7							X		EOTMAT43	TE90AX07	
Industrial Practice	BMEEODHAS42	0					20	S	7							X		EOHSAS41	EOHSAS42	EOGMAT44
Major of Buildings																				
Steel Buildings	BMEEOHSA-A1	5	3	1				E	6						X			EOHSAS41		
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		
Construction Technology	BMEEOHSA-K1	3	1	1				M	7							X		EOHSAS41	EOHSAS42	
Building Design Projectwork	BMEEOHSA-AP	6				2		M	7							X		EODHAS41	EOHSA-A1	EOHSA-A2
Diploma Project	BMEEODHA-AD	24						M	8								X	EOHSA-AP		
Total number of credits	240									32	37	32	28	31	31	25	24			
Total number of classes	184									31	34	27	26	29	21	16	0			
Number of exams	23									3	4	4	4	4	3	1	0			

Cross sem.: AFAT09, EMAT12, EMAS42, GMAT42, HSAT19, HSAT42, HSAT43, HSASA2, TMAT05, UVAT22, VVAT42

	2015/16 1st Semester	BSc Civil Engineering 1st year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15-	EN1 Compulsory English 1.	**CE Physics**	EN1 CAD for Civil Engineers	**Chemistry for Civ. Eng.**	
-10:00	K.f85	K.370	K.183a	K.184	
10:15-		EN3 CAD for Civil Engineers	EN2 CAD for Civil Engineers		
-12:00		K.183b	K.183a		
12:15-	**+Geology K.mf21**	EN1,2,3 Surveying I.	EN1 Civil Eng. Represent.	EN1 Geology	
-14:00	**#Surveying I. K.mf22**	K.GlabA,B,C	K.371	K.184	
14:15-	EN1 Basis of Stat.&Dyn.	EN1 Basis of Stat.&Dyn.	EN1 Compulsory English 1.	+EN1Basis of St.&Dyn.K.mf78	
-16:00	K.mf78	K.mf78	K.f85	# Home Class K.mf78	
16:15-		**Civil Eng. Representation**		Mathematics EN1a	
-18:00		K.371	**Mathematics EN1a**	K.375	
-19:00			K.375	**Mathematics EN1a**	

	2015/16 1st Semester	BSc Civil Engineering 2nd year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
	Geoinformatics		+EN1 Dynamics K.376		**Soil Mechanics**
8:15-	K.f99	**Public Works**	#EN1 Hydrology I. K.f10	EN1 CE Mathematics EN3	K.375
-10:00	**+ Surveying II.**	K.mf31	+EN1 Geoinformatics K.183b	K.376	**Timber&Masonry Str.**
	K.mf22				EL111
10:15-	**Hydrology I. K.f10**	**Basis of Str. Design**	**CE Mathematics EN3**	**Basics of Env. Eng.**	+EN1 Timber&Masonry Str.
-12:00	EN1 Constr. M. I. MM.L3	K.375	K.376	K.375	**# Building Constr. Study**
	+EN1 Roads	**Railway Tracks K.f99**	**Structural Analysis I.**		
12:15-	K.f99	**12:15-15.00**	K.f10	**Dynamics**	EN1 Building Constr. Study
-14:00	#EN1 Public Works	**Roads**	+EN1 Hydraulics I. K.f15	K.mf78	K.375
	K.mf31	**K.f86**	**#Constr. Mat. I. K.389**		
14:15-	**Structural Analysis I.**	EN1 Surveying II.	EN1 Soil Mechanics		
	K.f99	K.GLabC	K.mf21		
-16:00	**Hydraulics I.** K.f15				

	2015/16 1st Semester	BSc Branch of Structural Engineering 3rd year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15-	**Management & B. Econ.**	**RC Structures II. EL111**		EN1 Build.Constr. II. K.374	+ EN1 Foundation Eng.
-10:00	K.f88	**Reinf. Concr. Str.**		EN1 Build.Constr. I. K.375	K.mf21
		K.376	**+Structural Analysis II.**		
10:15-	**Steel Structures II.**	+EN1 RC Structures II.	K.374	EN1 Construction Mat. II	**Foundation Eng.**
-12:00	EL111	EL111	**#Constr. Management**	MM.L3	K.mf21
			K.374		
12:15-	EN1 Steel Structures II.	EN1 Constr. Management	#EN1 Structural Analysis II.	**Construction Materials II.**	**+ Building Constr. II.**
-14:00	EL111	K.375	K.f12	MM105	K.375
					# Building Constr. I.
14:15-	**Structural Analysis II.**	**Steel Structures**	**Management & B. Econ.**		K.138
-16:00	**K.f86**	K.374	K.f88		+EN1 Field C. of Str.Geod.
16:15-					K.mf22
-18:00					

	2015/16 1st Semester	BSc Branch of Structural Engineering 4th year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15-	**Urban and Reg. Dev.**		**Composite Building Str.**	**+Strength. of Structures**	
-10:00	K.f86		Composite Building Str.	#Strength. of Structures	
10:15-	**Surveying for Eng. Pl.**	Surveying for Eng. Pl.	**Steel Buildings**	**Timber Structures**	
-12:00	TSZ	TSZ	EL111	EL111	
12:15-		**Reinf. Concr. Buildings**	EN1 Steel Buildings	EN1 Timber Structures	
-14:00		EL111	EL111	Reinf. Concr. Buildings	
14:00-				EL111	
-16:00		Testing of Str. & Materials		**Th. of Adm., Real Est. R.**	
16:00-		14-20 EL111 & MM.P		K.f99	
-18:00					

Civil Engineering	Structural Engineering	Bsc elective	Cross semesters

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, Control, 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	BMEEOTMMB12			2/2/e/4			
Finite Element Method II.	BMEEOTMMB13			2/0/t/2		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/f/3				
Seismic Design	BMEEOHSMC04			1/1/t/3		MB02	
Conceptual Design	BMEEOHSMB08			2/0/f/3			
FEM Based Structural Design	BMEEOHSMB09			1/2/t/4		MB01	MB03
Geotechnical Design	BMEEOGMMCT1			2/1/e/4			
Numerical Modelling in Geotechnics	BMEEOGMMC05			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!

	2015/16/1. félév	MSc in Computational Structural Engineering Fall semester			
	Monday	**Thuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00	**Engineering Ethics** BMEGT41M004 EA K.mf78	**Decision Supporting M.** BMEEPEKMST4 EA K.mf78	**Advanced Mathematics** BMETE90MX33 EA K.mf78	**Extr. Actions of Str.** BMEEOHSMB10 EA K.mf78	EN1 Advanced Mechanics
9:15--10:00					
10:15--11:00	#EN1 Advanced Math. K.mf78	**Structural Dynamics** BMEEOTMMB02 EA K.mf78	EN1 Stability os Structures K.mf78		**Structural Reliability** BMEEOHSMST5 EA K.mf78
11:15--12:00					
12:15--13:00	**Finite Element Method I.** BMEEOTMMST0 EA K.mf78	**Stability of Structures** BMEEOTMMB03 EA K.mf78			EN1 Structural Dynamics K.mf78
13:15--14:00					
14:15--15:00		**Corporate Finance** BMEGT35M411 EA TSZ	**Advanced Mechanics** BMEEOTMMST9 EA K.mf78		**Database Systems** BMEEOFTMKT3 EA K.183a
15:15--16:00					
16:15--17:00		**Accounting, Conroll, Tax.** BMEGT35M014 EA TSZ	**Structural A. Theory** BMEEOTMMB07 EA, K.mf78 EN1 Structural A. Theory		
17:15--18:00					