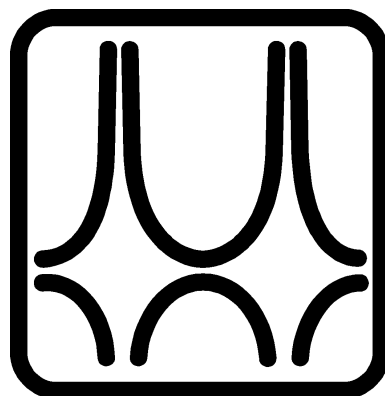




**Budapest University of Technology and Economics**

# Timetable

**Year 2016/17 - 2nd Semester**



**Faculty of Civil Engineering**

BSc-MSc course year 2016/17 2nd semester calendar

Week	Educational week	Event(#!/Odd(+))	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Saunday
6			30 January	31 January	1 February	2 February	3 February	4 February	5 February
----- Registration week, registration -----									
7	1	+	6 February <b>Start of semes.</b>	7 February	8 February	9 February	10 February	11 February	12 February
8	2	#	13 February	14 February	15 February	16 February	17 February	18 February	19 February
9	3	+	20 February	21 February	22 February	23 February	24 February	25 February	26 February
10	4	#	27 February	28 February	1 March	2 March	3 March	4 March	5 March
11	5	+	6 March	7 March	8 March	9 March	10 March	11 March	12 March
12	6	#	13 March	14 March	15 March National holiday	16 March	17 March	18 March	19 March
13	7	+	20 March	21 March	22 March	23 March	24 March	25 March	26 March
14	8	#	27 March	28 March	29 March	30 March	31 March	1 April	2 April
15	9	+	3 April	4 April	5 April	6 April	7 April	8 April	9 April
<----- Vásárhelyi Napok ----->									
16	10	#	10 April	11 April	12 April	13 April	14 April	15 April	16 April
17	11	+	17 April Easter	18 April	19 April	20 April	21 April	22 April	23 April Easter
18	12	#	24 April	25 April	26 April	27 April	28 April	29 April	30 April
19	13	+	1 May Workers' Day	2 May	3 May	4 May	5 May	6 May	7 May
20	14	#	8 May	9 May	10 May	11 May	12 May	13 May	14 May
21		+	15 May	16 May	17 May	18 May	19 May	20 May	21 May
----- Completion week -----									
22			22 May <b>Start of exam period</b>	23 May	24 May	25 May	26 May	27 May	28 May
23			29 May	30 May	31 May	1 June	2 June	3 June	4 June
24			5 June Pentecost	6 June	7 June	8 June	9 June	10 June	11 June Pentecost
25			12 June	13 June	14 June	15 June	16 June	17 June	18 June
26			19 June <b>End of MSc exam period</b>	20 June	21 June	22 June	23 June <b>End of BSc exam period</b>	24 June	25 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	BMEEOFTP1	4		N
Engineering Sciences	BMETETOP117	4		N
Technical Drawing	BMEEOEMP2	4		N
Freehand Drawing for CE	BMEEP121	2		N
Design Skills	BMEEP111	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	BMEEOVPRE5		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>Basic Hydraulics</b> BMEEOFTP5 K.f15		<b>Basic Mechanics</b> BMEEOFTP3 K.375	
9:15-10:00					
10:15-11:00		<b>Basic Surveying</b> BMEEOFTP4 K.f27	<b>Basic Surveying</b> BMEEOFTP4 K.f27		<b>Basic Mechanics</b> BMEEOFTP3 K.376
11:15-12:00					
12:15-13:00		<b>Fundamental of Struct.</b> BMEEPSTG201 K.221	<b>C. English for PE. II.</b> BMEGT63A202 K.392	<b>C. English for PE. II.</b> BMEGT63A202 K.392	<b>Basic Mathematics II.</b> BMETETOPB23 K.376
13:15-14:00					
14:15-15:00					
15:15-16:00		<b>Basic Mathematics II.</b> BMETETOPB23 K.376		<b>Fundamental of Struct.</b> BMEEPSTG201 K.221	
16:15-17:00					
17:15-18:00			<b>Basic Mathematics I.</b> BMETETOPB22 K.376	<b>Basic Mathematics I.</b> BMETETOPB22 K.376	
18:15-19:00					

EMK	EPK	TTK	GTK	Cross-semester
-----	-----	-----	-----	----------------

**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								Preliminary requirement(s)		
										1	2	3	4	5	6	7	8			
<b>Basic subjects</b>																				
Compulsory English 1.	BMEGT63A3E1	4		4				M	1	X							-			
Surveying I.	BMEEOFAT41	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	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							-			
Compulsory English 2.	BMEGT63A3E2	4		4				M	2		X						-			
Surveying II.	BMEEOFAT42	4	2	2				E	2		X						EOAFAT41	EOFTAT41		
Construction Materials I.	BMEEOEMAT43	5	2		2			E	2		X						EOEMAT41			
Civil Engineering Informatics	BMEEOFAT42	5	2	2				M	2		X						EOFTAT41			
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					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	BMEEOGMAT45	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	-			
Elective subject		4	4					M	7								X			
<b>Branch of Structural Engineering</b>																				
Building Construction I.	BMEEOEMAS42	3	1	2				E	4					X			EOEMAT44			
Timber Structures	BMEEOHSAS44	3	2					M	4				X				EOTMAT42	EOEMAT43	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	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 Mate	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	EOGMAT42		
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	EOFTAT42	
Design of Structures Projectwork	BMEEODHAS41	6				2		M	6						X		EOHSAS41	EOHSAS42	EOGMAT45	
Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7							X	GT55A001			
Field Course of Structural Geodesy	BMEEOFAS42	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								EOHSAS41	EOHSAS42	EOGMAT45	
<b>Major of Buildings</b>																				
Steel Buildings	BMEEOHSAS-A1	5	3	1				E	6							X		EOHSAS41		
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		
Construction Technology	BMEEOHSAS-K1	3	1	1				M	7								X	EOHSAS41	EOHSAS42	
Building Design Projectwork	BMEEOHSAS-AP	6				2		M	7								X	EODHAS41	EOHSA-A1	EOHSA-A2
Diploma Project	BMEEODHA-AD	24						M	8									X	EOHSA-AP	
<b>Total number of credits</b>		240																		
<b>Total number of classes</b>		184																		
<b>Number of exams</b>		23																		
<b>Proposed Elective Subjects</b>																				
Reinforced Concrete Bridges	BMEEOHSAS-B2	4	2	1				E	6									EOHSAS42	EOHSAS43	EOHSAS44
Hungarian Culture Part 1	BMEGT658363	4	4					M												
<b>Cross semesters: FTAT41, TMAT41, TMAT43, UVAT41, VKAT41, VKAT42, VVAT41, HSAS41, HSAS43, HSA-AP</b>																				

2016/17 2nd Semester		BSc Civil Engineering 1st year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	EN1 Intr. to Strength of Mat. K.mf78	EN1 CAD for Civil E. K.142a	<b>Hydraulics I.</b> K.f10	EN1 Constr. Mat. I. MM.L3 EN2 Constr. Mat. I. MM.L4	Compulsory English 2. K.376
10:15-12:00	EN1 Basis of Stat.&Dyn. K.mf78	Compulsory English 2. K.376 EN2 CAD for Civil E. K.142a	EN1 Intr. to Strength of Mat. K.375	<b>Surveying II.</b> K.f27	EN1/EN2 Surveying II. K.GLabA,B
12:15-14:00	<b>Constr. Materials I.</b> K.376	<b>Mathematics A2a</b> K.375 EN1 Basis of Stat.&Dyn. K.mf78	+EN1 Intr. to Str. of Mat. K.375 #EN1 Basis of Stat.&Dyn. K.375	<b>CE Informatics</b> K.mf30	EN1 CE Informatics K.142a EN2 CE Informatics K.142b
14:15-16:00			EN1 Building Const. Study K.375	<b>Building Constr. St.</b> K.375 #EN1 Hydraulics I. K.f10	
16:15-18:00	<b>Mathematics A2a</b> K.375		Mathematics A2a K.375		

**Surveying Field Course** 2017. 06. 15 - 06. 23

2016/17 2nd Semester		BSc Civil Engineering 2nd year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	<b>Basics of Env. Eng.</b> K.mf30	<b>Hydr. Eng. &amp; Water Man.</b> K.mf30	<b>Reinf. Concrete Str.</b> K.mf30	<b>Steel Structures</b> K.f12	<b>Public Works I.</b> K.mf31
10:15-12:00	<b>Business Law</b> K.f88	<b>+ Steel Structures I.</b> K.mf30 <b>#Reinf. Concr. Str.</b> K.mf30	+EN1 Hydr. Eng. & Water Man K.f10 #EN1 Constr. Management K.f12	+EN1 Earthworks K.mf30 <b>#Building Constr. I.</b> K.mf30	<b>Timber Structures</b> K.374 <b>Structural Analysis I.</b> K.mf78
12:15-14:00	EN1 Building Const. I. K.375	<b>Constr. Management</b> K.mf30	<b>Earthworks</b> K.mf30 <b>Soil Mechanics</b> K.mf21	<b>Strength of Materials</b> K.mf78	#EN1 Pub. Works I. K.mf31
14:15-16:00	<b>Roads</b> K.371 <b>Railway Tracks</b>	<b>Struct. Analysis I.</b> K.mf78	<b>Hydrology I</b> K.f10	+EN1 Hydrology I. K.f10	EN1 Soil Mechanics K.mf21
16:00-17:00	K.f99				

2016/17 2nd Semester		BSc Branch of Structural Engineering 3rd year			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	EN1 Design of Structures Projektwork EL111	<b>Reinf. Concr. Buildings</b> EL111	<b>Micro&amp;Macroeconomics</b> K.f88	<b>+Reinf. Concr. Buildings</b> EL111 #EN1 Reinf. Concr. Build. EL111	<b>Underground Str.</b> K.mf21
10:15-12:00	<b>Bridges and Infrastr.</b> EL111	<b>Steel and Composite Str.</b> EL111	EN1 3D Constr. Mod. of Str. K.f12	<b>+Steel Buildings</b> EL111 #EN1 Steel Buildings EL111	#EN1 Underground Str. K.mf21
12:15-14:00	EN1 Building Design Projektwork EL111	<b>Steel Buildings</b> EL111	+EN1 Steel and Comp.Str. EL111	<b>Micro&amp;Macroeconomics</b> K.f88	<b>Reinf. Concr. Bridges</b> K.f12
14:15-16:00			Comm. Skills for CE K.376	+EN1 Rock Mechanics K.136 <b># Rock Mechanics</b> K.136	EN1 Reinf. Concr. Bridges K.f12

2016/17 2nd Semester		Pre-MSc in Structural Engineering			students
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	EN1 Projektwork EL111	<b>Reinf. Concr. Buildings</b> EL111		<b>+Reinf. Concr. Buildings</b> #EN1 RC Build. EL111	<b>Underground Str.</b> K.mf21
10:15-12:00	<b>Bridges and Infrastr.</b> EL111	<b>Steel and Composite Str.</b> EL111	EN1 3D Constr. Mod. of Str. K.f12	<b>+Steel Buildings</b> EL111 #EN1 Steel Buildings EL111	#EN1 Underground Str. K.mf21
12:15-14:00	EN1 Building Design Projektwork EL111	<b>Steel Buildings</b> EL111	+EN1 Steel and Comp.Str. EL111		<b>Reinf. Concr. Bridges</b> K.f12
14:15-15:00				+EN1 Rock Mechanics <b># Rock Mechanics</b>	EN1 Reinf. Concr. Bridges K.f12

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				
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!	
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	BMEEOTMMB12		2/2/e/5			
Finite Element Method II.	BMEEOTMMB13		2/0/t/3		MB01	
<b>Differentiated Subjects</b>		3 cr.	17 cr.			
<b>Elective Subjects</b>				5 cr.		
<b>Diploma Project</b>	BMEEODHMSDM			t/20	min. 56 credits	
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	
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 27) of differentiated subjects have to be completed!**

2016/17 2nd Semester	MSc in Computational Structural Engineering Spring semester					
	Monday	Tuesday	Wednesday	Thursday	Friday	
8:15-9:00		<b>Finite Element Meth. II.</b> BMEEOTMMB13 EA K.mf78	<b>Geotechnical Design</b> BMEEOGMMCT1 EA K.mf78		Mat. Mod & Plasticity K.mf78	
9:15-10:00						
10:15-11:00		<b>Seismic Design</b> BMEEOHSMC03 EA K.mf78	Geotechnical Design	<b>Mat. Mod &amp; Plasticity</b> BMEEOTMMB12 EA K.mf78		
11:15-12:00			<b>FEM Based Str. Design</b> BMEEOHSMB09			
12:15-13:00	<b>Num. Mod for Structures</b> BMEEOTMMB06 EA K.mf78		FEM Based Str. Design K.mf78		<b>Num. Mod. In Geotech.</b> BMEEOGMMC05 EA, K.mf21 Num. Mod. In Geotech.	
13:15-14:00		<b>Numerical Methods</b> BMEEOFTMKT2				
14:15-15:00	<b>Frac. Mech. &amp; Fatigue</b> BMEEOHSMB11 EA K.mf78	Numerical Methods K.142b	<b>Physic Laboratory</b> BMETE11MX22 F.32.L1 3 times in the sem.			
15:15-16:00						
16:15-17:00						
17:15-18:00						