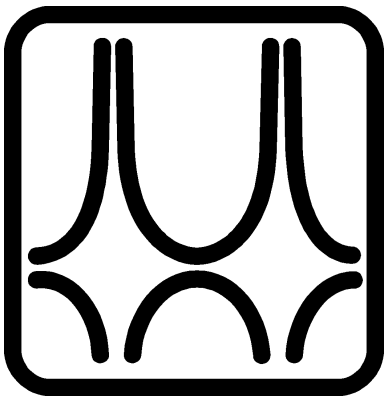
Budapest University of Technology and Economics

Timetable

Year 2015/16 - 2nd Semester



Faculty of Civil Engineering

BSc-MSc course year 2015/16 2nd semester calendar

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

In BSc program due to field courses the last examination day for the subjects at the Faculty of Civil Engineering is 1 July

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 2nd Semester	Pre-Engineering Courses in Civil Engineering			
	Monday	**Thuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00		**Basic Hydraulics** BMEEOFTPRE5 K.f15			**Basic Mathematics II.** BMETETOPB23 K.376
9:15--10:00					
10:15--11:00		**Basic Surveying** BMEEOFTPRE4 K.f26	**Basic Surveying** BMEEOFTPRE4 K.f26	**Basic Mechanics** BMEEOFTPRE3 K.376	**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.** BMEGT63A202 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

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 Mater	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 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	EOGMAT44
Public Administration and Land Registry	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			
Proposed Elective Subjects																				
Reinforced Concrete Bridges	BMEEOHSA-B2	4	2	1				E	6									EOHSAS42	EOHSAS43	EOHSAS44
Hungarian Culture Part 1	BMEGT658363	4	4					M												

Cross semesters: FTAT41, TMAT41, TMAT43, UVAT41, VKAT41, VKAT42, VVAT41, EMAS41, HSAS41, HSAS43

	2015/16 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 EN2 CAD for Civil E. K.142b	**Hydraulics I.** K.f10	EN1 Constr. Mat. I. MM.L3 EN2 Constr. Mat. I. MM.L4	Compulsory English 2. K.f85
10:15- -12:00	**Constr. Materials I.** MM105	Compulsory English 2. K.f85	EN1 Intr. to Strength of Mat. K.375	**Surveying II.** K.f26	EN1/EN2 Surveying II. K.GLabA,B
12:15- -14:00	**CE Informatics** K.mf30	**Mathematics A2a** K.375 EN1 Basis of Stat.&Dyn. K.mf78	+EN1 Intr. to Str. of Mat. K.375 #EN1 Basis of Stat.&Dyn. K.375	EN1 CE Informatics K.142a EN2 CE Informatics K.142b	EN1 Basis of Stat.&Dyn. K.mf78
14:15- -16:00			**Soil Mechanics** K.mf21	#EN1 Hydraulics I. K.f10	EN1 Soil Mechanics K.mf21
16:15- -18:00	**Mathematics A2a** K.375		Mathematics A2a K.375		

Surveying Field Course	2016. 06. 11 - 06. 19

	2015/16 2nd Semester	BSc Civil Engineering 2nd year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15- -10:00	**Basics of Env. Eng.** K.mf30	**Hydr. Eng. & Water Man.** K.f10		**Steel Structures** K.f12	#EN1 Pub. Works I. K.mf31
10:15- -12:00	**Business Law** K.389 **Public Works I.** K.mf31	**+ Steel Structures I.** K.f12 **#Reinf. Concr. Str.** K.f12	+EN1Hydr.Eng.&Water Man K.f10 #EN1 Constr. Management K.f10	**#Building Constr. I.** K.389	**Timber Structures** K.375 **Structural Analysis I.** K.mf78
12:15- -14:00	EN1 Building Const. I. K.375	**Constr. Management** K.f12	**Earthworks** K.mf21	**Reinf. Concrete Str.** K.f12	
14:15- -16:00 -17:00	**Roads** K.371 **Railway Tracks** K.f99	**Struct. Analysis I.** K.mf78	**Hydrology I** K.f10	#EN1 Earthworks K.f99 +EN1 Hydrology I. K.f10	

Laboratory Practice of Testing of Str. and Mat.	2016. 05. 30 - 06. 03

	2015/16 2nd Semester	BSc Branch of Structural Engineering 3rd year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15- -10:00	EN1 Projektwork K.f12	**Reinf. Concr. Buildings** EL111 EN1/EN2 Constr. Mat. II. MM.L2/MM.L3	**Micro&Macroeconomics** K.f88	**+Reinf. Concr. Buildings** EL111 #EN1 Reinf. Concr. Build. EL111	**Underground Str.** K.mf21
10:15- -12:00	**Steel and Composite Str.** EL111	**Bridges and Infrastr.** EL111	EN1 3D Constr. Mod. of Str. K.f12	**+Steel Buildings** EL111 #EN1Steel Buildings EL111	#EN1 Underground Str. K.mf21 **+Constr. Materials II.** MM105
12:15- -14:00		**Steel Buildings** EL111	+EN1Steel and Comp.Str. EL111	**Micro&Macroeconomics** K.f88	**Reinf. Concr. Bridges** K.f12
14:15- -16:00		+EN1 Field Course of Structural Geodesy K.GLabA 14:15-18:00	Comm. Skills for CE K.f85	+EN1 Rock Mechanics K.138 **# Rock Mechanics** K.138	EN1Reinf. Concr. Bridges K.f12

	2015/16 2nd Semester	Pre-MSc in Structural Engineering			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15- -10:00	EN1 Projektwork K.f12	**Reinf. Concr. Buildings** EL111		**+Reinf. Concr. Buildings** #EN1 RC Build. EL111	**Underground Str.** K.mf21
10:15- -12:00	**Steel and Composite Str.** EL111	**Bridges and Infrastr.** EL111	EN1 3D Constr. Mod. of Str. K.f12	**+Steel Buildings** EL111 #EN1Steel Buildings EL111	#EN1 Underground Str. K.mf21
12:15- -14:00		**Steel Buildings** EL111	+EN1Steel and Comp.Str. EL111		**Reinf. Concr. Bridges** K.f12
14:15- -15:00				+EN1 Rock Mechanics **# Rock Mechanics**	EN1Reinf. 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	
Differentiated Subjects			3 cr.	17 cr.			
Elective Subjects					5 cr.		
Diploma Project	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/f/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 30) of differentiated subjects have to be completed!

	2015/16/2nd Semester	MSc in Computational Structural Engineering Spring semester			
	Monday	**Thuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00		**Finite Element Meth. II.** BMEEOTMMB13 EA K.mf78	**Geotechnical Design** BMEEOGMMCT1 EA K.mf78		Mat. Mod & Plasticity K.mf78
9:15--10:00					
10:15--11:00		**Seismic Design** BMEEOHSMC03 EA K.mf78	Geotechnical Design	**Mat. Mod & Plasticity** BMEEOTMMB12 EA K.mf78	
11:15--12:00			**FEM Based Str. Design** BMEEOHSMB09		
12:15--13:00	**Frac. Mech. & Fatigue** BMEEOHSMB11 EA K.mf78		FEM Based Str. Design K.mf78		**Num. Mod. In Geotech.** BMEEOGMMC05 EA, K.mf21
13:15--14:00		**Numerical Methods** BMEEOFTMKT2			Num. Mod. In Geotech.
14:15--15:00		Numerical Methods K.f30a	**Physic Laboratory** BMETE11MX22 F.32.L1 3 times in the sem.		
15:15--16:00	**Num. Mod for Structures** BMEEOTMMB06 EA K.mf78				
16:15--17:00					
17:15--18:00					