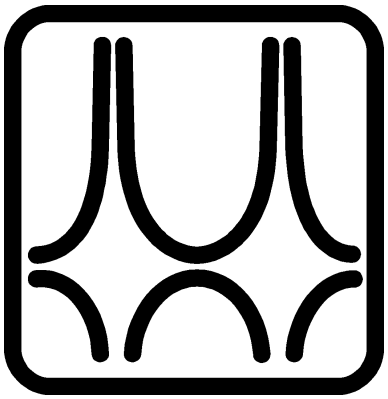
Budapest University of Technology and Economics

Timetable

Year 2016/17 - 1st Semester



Faculty of Civil Engineering

BSc-MSc course year 2016/17 1st semester calendar

Week	Educational week	Even(#)/Odd(+)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
34	0		29 August	30 August	31 August	1 September	2 September	3 September	4 September
			---------- **Registration week, registration** ----------						
35	1	+	5 September **Start of semes.**	6 September	7 September	8 September	9 September	10 September	11 September
36	2	#	12 September	13 September	14 September Sports Day	15 September	16 September	17 September	18 September
37	3	+	19 September	20 September	21 September	22 September	23 September	24 September	25 September
38	4	#	26 September	27 September	28 September	29 September	30 September	1 October	2 October
39	5	+	3 October	4 October	5 October	6 October	7 October	8 October	9 October
40	6	#	10 October	11 October	12 October	13 October	14 October	15 October + Monday working day	16 October
41	7	+	17 October	18 October	19 October	20 October	21 October	22 October	23 October National Day
42	8	#	24 October	25 October	26 October	27 October	28 October	29 October	30 October
43	9	+	31 October rest-day	1 November All Saints' Day	2 November	3 November	4 November	5 November	6 November
44	10	#	7 November	8 November	9 November	10 November	11 November	12 November	13 November
45	11	+	14 November	15 November	16 November	17 November Students' Scientific Con.	18 November	19 November	20 November
46	12	#	21 November	22 November	23 November	24 November	25 November Open Day	26 November	27 November
47	13	+	28 November	29 November	30 November	1 December	2 December	3 December	4 December
48	14	#	5 December	6 December	7 December	8 December	9 December **End of semes.**	10 December	11 December
49		+	12 December	13 December	14 December	15 December	16 December	17 December	18 December
			---------- **Completion week** ----------						
50		#	19 December **Start of exam period**	20 December	21 December	22 December	23 December	24 December	25 December Christmas
51		+	26 December Christmas	27 December Winter break	28 December Winter break	29 December Winter break	30 December Winter break	31 December	1 January New Year's Day
1		#	2 January	3 January	4 January	5 January	6 January	7 January	8 January
2		+	9 January	10 January	11 January	12 January	13 January	14 January	15 January
3		#	16 January	17 January	18 January	19 January	20 January	21 January	22 January
4			23 January **End of exam period**	24 January Winter break	25 January Winter break	26 January Winter break	27 January Winter break	28 January	29 January

Semester

Completion week Exam. period Holidays

Pre-Engineering Courses in Civil Engineering

Subjects		Semesters (lectures)		Cross
Name	Code	1	2	semester
Year 2016/17 - 1st Semester	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

	2016/17 1st Semester	Pre-Engineering Courses in Civil Engineering			
	Monday	**Thuesday**		**Thursday**	**Friday**
8:15--9:00	**Technical Drawing** BMEEOEMPRE2 K.144	**Technical Drawing** BMEEOEMPRE2 K.144		**Basic Informatics** BMEEOFTPRE1 K.142a	
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.142a	**C. English for PE. I.** BMEGT63A201 K.392		
13:15--14:00					
14:15--15:00				**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	BMEEOGMAT45	4	2	1				E	5					X				EOGMAT43		
Management and Business Economics	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 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	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	EOGMAT45
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: GMAT42, HSAT42, HSAT43, HSAS-A1, HSAS-A2, TMAT42, VVAT42, UVAT42, DHAS41, EKAT41

	2016/17 1st Semester	BSc Civil Engineering 1st year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15-	EN1 Compulsory English 1.		EN1 CAD for Civil Engineers	**Chemistry for Civ. Eng.**	
-10:00	K.376		K.142a	K.144	
10:15-	EN1 Civil Eng. Represent.	EN1,EN2 Surveying I.	EN2 CAD for Civil Engineers	EN1 Basis of Stat.&Dyn.	EN3 CAD for Civil Engineers
-12:00	K.371	K.GlabA,B	K.142a	K.mf78	K.142b
12:15-	**+Geology** K.136	**CE Physics**	EN1 Basis of Stat.&Dyn.	EN1 Geology	
-14:00	**#Surveying I.** K.f27	K.375	K.mf78	K.136	
14:15-	EN1 Basis of Stat.&Dyn.		EN1 Compulsory English 1.	+EN1Basis of S.&D.K.mf78	
-16:00	K.mf78		K.376	# Home Class K.mf78	
16:15-	**Civil Eng. Representation**			Mathematics EN1a	
-18:00	K.f12		**Mathematics EN1a**	K.375	
-19:00			K.375	**Mathematics EN1a**	

	2016/17 1st Semester	BSc Civil Engineering 2nd year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15-	**Structural Analysis I.**	#EN1 Public Works K.mf31	**Hydrology I.**	EN1 CE Mathematics EN3 K.375	EN1 Building Constr. Study
-10:00	K.mf30	#EN1 Hydraulics I. K.f15	K.f10	Soil Mechanics K.mf21	K.mf31
10:15-		+EN1 Geoinfo. K.142b	**CE Mathematics A3** K.375	**Basis of Str. Design**	
-12:00		#EN2 Geoinfo. K.142b	**Soil Mechanics** K.mf21	K.mf30	EN1 Intr.to Str. of Mat. K.376
	Public Works		**+Building Constr. St.**	**Structural Analysis. I.**	
12:15-	K.mf31	**Railway Tracks**	K.375	K.mf30	
-14:00	**Hydraulics I.** K.f15	K.f99 12:15-15.00	#EN1 Hydrology I. K.f10	EN1 Intr.to Str. of Mat. K.376	
14:15-	**Geoinformatics**			**Basics of Env. Eng.**	
-16:00	K.mf30			K.mf30	

	2016/17 1st Semester	BSc Branch of Structural Engineering 3rd year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15-	**Management & B.E.** K.f88	**RC & Masonry Str.**	**+ Constr. Mat. II.** MM.P	**Bridges and Infrastr.**	
-10:00	**RC. Structures** EL111	K.374	#Constr. Management K.376	EL111	
10:15-	**Steel and Composite Str.**	+EN1 RC and Masonry Str. K.374	EN1 Building Constr. II.	**Structural Analysis II.**	**Foundation Eng.**
-12:00	EL111	**# Building Constr. II.** K.374	K.144	K.mf78	K.mf21
	EN1 Steel and Comp. Str.		**+Structural Analysis II.**		
12:15-	EL111	**Constr. Management**	K.376	EN1 Construction Mat. II.	**+ RC. Structures**
-14:00		K.376	#EN1 Structural Analysis II. K.376	MM.L2	EL111
14:15-	**Roads**		**Management & B. Econ.**	**Steel Structures**	
-16:00	K.f99	Testing of Str. & Materials	K.f88	K.f12	
16:15-		EL111 & MM.P			
-18:00					

	2016/17 1st Semester	BSc Branch of Structural Engineering 4th year			students
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15-	**Urban and Reg. Dev.**	**Constr. Techn.** EL111	Design of Str. Projectwork		
-10:00	K.f99	EN1 Constr. Techn. EL111	K.f12		
10:15-	**Public Adm. and Land R.**	**Steel Buildings**	EN1 Building D. Projectwork	**+ Steel Buildings** EL111	**+ Reinf. Concr. Buildings**
-12:00	K.f99	EL111	K.f12	#EN1 Steel Buildings EL111	# EN1 RC Buildings EL111
12:15-		**Reinf. Concr. Buildings**			**Building C. Method.** K.144
-14:00		EL111			EN1 Build. Constr. M. K.144
14:15-					
-16:00					+EN1 Field C. of Str.Geod. K.f27
16:15-	**Dynamics of Structures**				
-18:00	K.mf30				

Civil Engineering	Structural Engineering	Cross semesters

Curriculum of MSc in Structural Engineering, Major in Computational Structural Engineering

Subjects			Semesters (lect/sem/exams/credits)			Pre-requisites	
Name	Code		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/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		
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	BMEEOGMMC03			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 1st Semester	MSc in Computational Structural Engineering Fall semester			
	Monday	**Thuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00	**Engineering Ethics** BMEGT41M004 EA K.mf78	**Structural Reliability** BMEEOHSMST5 EA K.mf78	#EN1 Advanced Math. K.mf78	**Structural Dynamics** BMEEOTMMB02 EA K.mf78	EN1 Advanced Mechanics K.mf78
9:15--10:00					
10:15--11:00	**Advanced Mathematics** BMETE90MX33 EA K.mf78	**Extr. Actions of Str.** BMEEOHSMB10 EA K.mf78	EN1 Stability os Structures K.mf78		**Decision Supporting M.** BMEEPEKMST4 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 K.mf78	**Advanced Mechanics** BMEEOTMMST9 EA K.mf78		**Database Systems** BMEEOFTMKT3 EA K.142a
15:15--16:00					
16:15--17:00		**Accounting, Conroll, Tax.** BMEGT35M014 EA K.mf78	**Structural A. Theory** BMEEOTMMB07 EA, K.mf78 EN1 Structural A. Theory		
17:15--18:00					