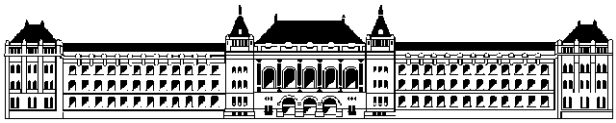
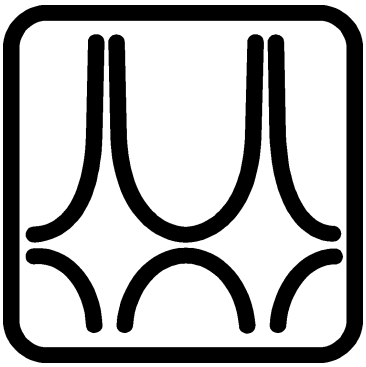


Budapest University of Technology and Economics

Timetable

Part time students
Year 2023/24 - 1st Semester



Faculty of Civil Engineering

Year 2023/24 1st semester calendar

week	even(#)/odd(+)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
0		28-Aug **State (Final) examination period start**	29-Aug	30-Aug **---------- Registration week ----------**	31-Aug	1-Sep Opening ceremony	2-Sep	3-Sep
1	+	4-Sep **Study period start**	5-Sep	6-Sep	7-Sep	8-Sep	9-Sep	10-Sep
2	#	11-Sep	12-Sep Sport day	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep
3	+	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep
4	#	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep **State Exam per. end**	30-Sep	1-Oct
5	+	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct
6	#	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct
7	+	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct
8	#	23-Oct National Holiday	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
9	+	30-Oct	31-Oct	1-Nov All Saints day	2-Nov	3-Nov	4-Nov	5-Nov
10	#	6-Nov	7-Nov	8-Nov	9-Nov	10-Nov	11-Nov	12-Nov
11	+	13-Nov	14-Nov	15-Nov	16-Nov Student Scientific Conference	17-Nov	18-Nov	19-Nov
12	#	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov Open day	25-Nov	26-Nov
13	+	27-Nov	28-Nov	29-Nov	30-Nov	1-Dec	2-Dec	3-Dec
14	#	4-Dec	5-Dec	6-Dec	7-Dec	8-Dec **Study period end**	9-Dec	10-Dec
	+	11-Dec **---------- Repeat week ----------**	12-Dec	13-Dec	14-Dec	15-Dec	16-Dec	17-Dec
	#	18-Dec **Exam per. start**	19-Dec	20-Dec	21-Dec	22-Dec	23-Dec	24-Dec
	+	25-Dec Christmas	26-Dec Christmas	27-Dec **------- winter holiday -------**	28-Dec	29-Dec	30-Dec	31-Dec
	#	1-Jan New Year	2-Jan **State (Final) examination period starts**	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan
	+	8-Jan	9-Jan	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan
	#	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	20-Jan	21-Jan
	+	22-Jan **Exam per. end**	23-Jan	24-Jan **grade registration end until 14:00**	25-Jan	26-Jan **State Exam per. end**	27-Jan	28-Jan

Study period

Repeat week Exam period Holiday

CIVIL ENGINEERING BSC FROM 2017 - SPECIALIZATION IN STRUCTURAL ENGINEERING

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)		
Core subjects																				
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								-		
Geology	BMEEOGMAT41	3	1	2				E	1	X								-		
Basis of Statics and Dynamics	BMEEOTMAT41	6		5				E	1	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									
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							-		
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3			X						EOGMAT41	EOTMAT42	
Geoinformatics	BMEEOFTAT43	3	2	1				M	3			X								
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								
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						-		
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	
Foundation Engineering	BMEEOGMAT45	4	3					E	5					X				EOGMAT43		
Construction Management	BMEEPEKAT41	3	2	1				M	6						X			EOEMAT44	EOGMAT42	
Urban and Regional Development	BMEEOUVAT43	3	2					M	7							X		-		
Branch Subjects																				
Building Construction I.	BMEEOEMAS42	3	1	2				E	4				X					EOEMAT44		
Timber Structures	BMEEOHSAS44	3	2					M	4				X					EOTMAT42	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		
Steel and Composite Structures	BMEEOHSAS47	4	3					M	5					X				EOHSAT42	EOHSAT43	
RC and Masonry Structures	BMEEOHSAS42	4	2	1				M	5					X				EOHSAT43	EOEMAS42	
Bridges and Infrastructures	BMEEOHSAS43	3	2					E	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		
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	
Design of Structures Projectwork	BMEEODHAS41	6				2		M	6						X			EOHSAS47	EOHSAS42	EOGMAT45
Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7							X				
Field Course of Structural Geodesy	BMEEOAFAS42	1			2			M	7							X		EOAFAT43	EOEMAT44	
Dynamics of Structures	BMEEOTMAS43	3	2					M	7							X		EOTMAT43	TE90AX02	
Specialization in Structural Engineering																				
Steel Buildings	BMEEOHSA-A1	5	3	1				E	6						X			EOHSAS47		
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		
Engineering Works	BMEEOHSA-B3	3	2					E	7							X		EOHSAT43	EOHSAS43	EOGMAS42
Structural Design Projectwork	BMEEOHSA-PP	6				2		M	7							X		EODHAS41	EOHSA-A1	EOHSA-A2
Preparatory Course for BSc Thesis Project	BMEEODHA-PT	9						M	8								X	EOHSA-PP		
Bachelor Thesis Project	BMEEODHA-PS	15						M	8								X	EODHA-PT!		
Total number of credits	240									32	36	33	27	32	32	25	24			
Total number of classes	184									31	33	28	25	28	22	16	0			
Number of exams	23									3	4	4	4	4	3	1	0			
Recommendeded Optional Subjects																				
Reinforced Concrete Bridges	BMEEOHSA-B2	4	2	1				E	6									EOHSAS42	EOHSAS43	EOHSAS44

Cross semesters: EMAT44, EMAS42, HSAT42, HSAT43, HSAS-A1, HSAS-A2, TMAT42, TMAS41, UVAT42, VVAT42, DHAS41, EKAT41

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semeter).

A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.

CIVIL ENGINEERING BSC FROM 2019 - SPECIALIZATION IN INFRASTRUCTURE ENGINEERING

	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)		
	Core subjects																				
	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								-		
	Geology	BMEEOGMAT41	3	1	2				E	1	X								-		
	Basis of Statics and Dynamics	BMEEOTMAT41	6		5				E	1	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									
	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							-		
	Soil Mechanics	BMEEOGMAT42	4	2	2				M	3			X						EOGMAT41	EOTMAT42	
	Geoinformatics	BMEEOFTAT43	3	2	1				M	3			X								
	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								
	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						-		
	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	
	Foundation Engineering	BMEEOGMAT45	4	3					E	5					X				EOGMAT43		
	Construction Management	BMEEPEKAT41	3	2	1				M	6						X			EOEMAT44	EOGMAT42	
	Urban and Regional Development	BMEEOUVAT43	3	2					M	7							X		-		
	Branch Subjects																				
	Infrastructure CAD Course	BMEEOUVAI45	1			2			M	4				X					EOUVAT41	EOFTAT41	
	Water Chemistry and Hydrobiology	BMEEOVKAI43	3	2		1			E	4				X					-		
*	Legal Aspects of Water and Environment	BMEEOVKAI45	2	2					M	4				X					-		
	Hydraulics 2	BMEEOVVAI42	3	2	1				E	4				X					EOVVAT42		
	Highway and Railway Structures	BMEEOUVAI41	5	4					E	5					X				EOUVAT41	EOUVAT42	
	Highway and Railway Design	BMEEOUVAI43	5	3	2				E	5					X				EOUVAT41	EOUVAT42	EOAFAT43
	Public Works 2	BMEEOVKAI41	5	2	2				E	5					X				EOVKAT42		
	Urban Environment	BMEEOVKAI42	3	2			1		M	5					X				EOVKAT41		
*	Water Quality Management	BMEEOVKAI44	3	2	1				M	5					X				EOVKAI43	EOVVAI42	
	Hydrology 2	BMEEOVVAI41	3	2	1				M	5					X				EOVVAT41		
*	Transportation Networks	BMEEOUVAI42	3	2					M	6						X			EOUVAT42		
*	Highway and Railway Laboratory Practice	BMEEOUVAI44	1			3			M	6						X			EOUVAI41		
*	Water Resources Management	BMEEOVVAI43	3	2					E	6						X			EOVVAT43		
	Infrastructure Study Project	BMEEODHAI41	6				2		M	6						X			EOVVAT43	EOUVAI43	EOVKAI41
	Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7							X		GT55A001		
	Earthworks and Drainage of Transportation Infr	BMEEOGMAI41	3	3					E	7							X		EOGMAT43	EOVVAT41	
	Proposed Optional Branch Subjects																				
*	Building Construction I.	BMEEOEMAS42	3	1	2				E	4				X					EOEMAT44		
*	Timber Structures	BMEEOHSAS44	3	2					M	4				X					EOTMAT42	EOEMAT43	
*	Construction Materials II.	BMEEOEMAS41	3	1		2			E	5					X				EOEMAT43		
*	Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5					X				EOHSAT42	EOHSAT43	
*	Rock Mechanics	BMEEOGMAS41	3	1	1				M	6						X			EOGMAT41		
*	Underground Structures, Deep Found.	BMEEOGMAS42	3	2	1				M	6						X			EOGMAT45		
	Specialization in Infrastructure Engineering																				
	Road Design	BMEEOUVA-E1	3		2				E	7							X		EOUVAI43		
	Water Damage Prevention and Water Use	BMEEOVVA-F1	5	4					E	6						X			EOVVAT43	EOVVAI41	EOVVAI42
	Drinking Water and Wastewater Treatment	BMEEOVKA-H1	4	3					E	6						X			EOVKAI41		
**	Railway Design	BMEEOUVA-E2	3		2				E	7							X		EOUVAI43		
**	River Basin Management	BMEEOVVA-F2	3	2					E	7							X		EOVVAI43	EOVKAI44	
**	Environmental Impact Assessment	BMEEOVKA-H3	3	3					E	7							X		EOVKAI42	EOVKAI44	EOVKAI45
**	Transport Infrastructure Design Project	BMEEOUVA-QP	6				2		M	7							X		EODHAI41	EOUVAI42	EOUVA-E2!
**	Hydraulic Engineering Design Project	BMEEOVVA-QP	6				2		M	7							X		EODHAI41	EOVVA-F1	EOVVA-F2!
**	Urban Water Infrastructure Design Project	BMEEOVKA-QP	6				2		M	7							X		EODHAI41	EOVKA-H1	EOVKA-H3!
	Preparatory Course for BSc Thesis Project	BMEEODHA-QT	9						M	8								X	*EOUVA-QP	*EOVVA-QP	*EOVKA-QP
	Bachelor Thesis Project	BMEEODHA-QS	15						M	8								X	EODHA-QT!		
	Total number of credits	240									32	37	32	28	32	30	25	24			
	Total number of classes	184									31	34	27	29	28	20	15	0			
	Number of exams	23									3	4	4	4	4	4	3	0			

	Recommendeded Optional Subjects																				
	Field Course of Structural Geodesy	BMEEOAFAS42	1			2			M	7							X		EOAFAT43	EOHSAT42	EOHSAT43
	Satellite Positioning	BMEEOAFAG45	3	2					E	5					X				EOAFAT43		
	The Digital Earth	BMEEOFTAG41	3	2	1				M	5					X				EOFTAT43		

Cross semesters: EMAT44, EMAS42, HSAT42, HSAT43, HSAS-A1, HSAS-A2, TMAT42, TMAS41, UVAT42, VVAT42, DHAS41, EKAT41

* Note: Credits of the starred(*) Branch Subjects can be substituted by the credits of the Proposed Optional Branch Subjects as long as the preliminary requirements of the prospective specialisation subjects are fullfilled.

** Taking one project subject (UVA-QP or VVA-QP or VKA-QP) and its pre-requisites is mandatory in the specialization

A prerequisite with '!' mark indicates that the subject and the pre-required subject can be registered parallel (in the same semeter).

A prerequisite with '~' mark indicates that it is enough to hold a signature from the pre-required subject in order to register the subject.

2023/24 1st Semester	BSc Civil Engineering 1st semester			students

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00		EN2 Geology K.136	*EN3 Surveying I. K.f27k*	EN1 Surveying I. K.f27b	EN5 Surveying I. K.f27l
				EN2 Surveying I. K.f27k	*EN7Surveying I. K.f27l*
				EN1 CAD for Civil Eng.	
			EN1 Basis of Stat.&Dyn. K.mf78	*EN6 Surveying I. K.f27l*	
10:15-12:00	EN1 Civil Eng. Repr. K.184	EN1 Geology K.136			EN4 Geology K.136
	EN2Civil Eng. Repr. K.374		EN2 Basis of Stat.&Dyn. K.f10		
12:15-14:00	**+Geology** BMEEOGMAT41	**Chemistry for Civ. Eng.**	EN3 Basis of Stat.&Dyn. K.375	EN3 Geology K.136	
	#Surveying I. BMEEOAFAT41			EN5 CAD for Civil Eng.	
14:15-16:00	EN1/2/3 Basis of Stat.&D. K.mf78, K.f10, K.375				EN4 CAD for Civil Eng.
					EN4 Surveying I. K.f27l
16:15-18:00	EN1-EMK Math. A1a K373			**Civil Eng. Representation** K.f10	*EN6 CAD for Civil Eng.*
	EN2-EMK Math. A1a K.374				
18:15-20:00					

2023/24 1st Semester	BSc Civil Engineering 3rd semester	students

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	**Structural Analysis I.** K.f99	+EN1 Hydrology I.		**+Hydrology I.** K.f10	**Geoinformatics** K.389
		#EN2 Hydrology I.			
		#EN1 Public Works K.mf31			
		+EN2 Public Works K.mf31			
10:15-12:00	**Basics of Env. Eng.** K.mf30	**Structural Analysis. I.** K.f88		**Soil Mechanics** K.mf21	**Basis of Str. Design** K.f12
	+Building Constr. St. K.183				
12:15-14:00	**Public Works** K.mf31	**Railway Tracks** K.f99 12:15-15.00	Building Constr. St. K.183	EN1 Soil Mechanics K.371	
	Hydraulics I. K.f15		EN1 Building Constr. Study K.183 13:15-15:00	EN2 Soil Mechanics K.372	
14:15-16:00		EN1 Intr.to Str. of Mat. 15:15-18:00	EN1 Intr.to Str. of Mat. 15:15-17:00	*+EN1 Hydraulics I. K.f10*	
				#EN2 Hydraulics I. K.f10	
16:15-18:00		#EN3 Geoinformatics K.142a		+EN1 Geoinformatics	
				#EN2 Geoinformatics	

2023/24 1st Semester	BSc Civil Engineering, Infrastructural Engineering 5th semester	students

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00			**Highway & Railway Str.** BMEEOUVAI41; EN0	**+Highway and Railw. D.** BMEEOUVAI43; EN0	**RC. Structures** EL111 8-11
10:15-12:00	Highway and Railw. D. EN1	**Water Quality Manag.** BMEEOVKAI44 EN0 K373	**Highway and Railw. D.** BMEEOUVAI43 EN0	**Urban environment** BMEEOVKAI42 EN0	Hydraulics 2 BMEEOVVAI42 9-12
12:15-14:00	**Highway & Railway Str.** BMEEOUVAI41 EN0	+Water Quality Manag. EN0 K373	**Hydrology 2** BMEEOVVAI41 EN0	**+ Constr. Mat. II.** MM.P	**Earthworks** BMEEOGMAT43
		#Hydrology 2 EN1			
14:15-16:00	**Roads 14-16 K.371**	**Public Works 2** EN0		**Steel Structures K.f12** 14:15-17:00 **K.f12**	EN1 Earthworks 14-15
16:15-18:00	**Foundation Eng.** K.mf21 14:15-17:00	Public Works 2 EN1 16-18			
	Building C. I. K.184				

2023/24 1st Semester	Specialization in Structural Engineering 5th semester	students

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00		**RC & Masonry Str.** K.f12	#Constr. Management	**Bridges and Infrastr.** K.f88	**RC. Structures** EL111
10:15-12:00	**BMEEOHSAS47 St. and Composite Str.** K.f12 10-13	**+ Building Constr. II.** K.144	**+Structural Analysis II.**	EN1 Construction Mat. II.	
		#EN1 RC and Masonry Str. K.f12	#EN1 Structural Analysis II.	*EN2 Construction Mat. II.*	
				EN3 Construction Mat. II.	
12:15-14:00		**BMEEPEKAT41 Constr. Management** K.389	**Structural An. II.**	**+ Constr. Mat. II.** MM.P	**Earthworks** BMEEOGMAT43
			Strength of Mat. K.mf78		
14:15-16:00	**Roads 14-16 K.f99**	Testing of Str. & Materials EL111 & MM.P		**Steel Structures K.f12** 14:15-17:00 **K.f12**	EN1 Earthworks 14-15
16:15-18:00	**Foundation Eng.** K.mf21 14:15-17:00		EN1 Building Constr. II.		
	Building C. I. K.184		**+ Building Cnstr. I**		

2023/24 1st Semester	Specialization in Structural Engineering 7th semester	students

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	**Reinf. Concr. Buildings** K.f12	**Steel Buildings** EL111	**Engineering Works** K.f12	**Building C. M.** K.f88	
				EN1 Building C. M. K.f88	
10:15-12:00	**Urban and Reg. Dev.** K.f99	**+ Reinf. Concr. Build.** EL111	EN1 Structural D. Project. K.f12	**+ Steel Buildings** EL111 EL111	
		# EN1 RC Buildings EL111		#EN1 Steel Buildings EL111	
12:15-14:00		**Public Adm. and Land R.** K.389	**Dynamics of Structures** K.375	EN1 Design of Str. Project K.mf78	

	Civil Engineering	Structural Engineering	Cross semesters	Infrastructural Eng.

2023/24 1st Semester	Specialization in Infrastructural Engineering 7th semester	students

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00		**#BMEEOVKA-H3** Environmental Impact Assessment		**BMEEOVKA-H3** Environmental Impact Assessment	
10:15-12:00	**Urban and Reg. Dev.** K.f99		**BMEEOVVA-F2 River Basin Management** 11-13		
12:15-14:00	**BMEEOUVA-E2** Railway Design	**Public Adm. and Land R.** K.389	**BMEEOGMAI41** Earthw. and D. of Tr. Infr. **13-16**		
14:15-16:00	**BMEEOUVA-E1** Road Design				

	Civil Engineering	Structural Engineering	Cross semesters	Infrastructural Eng.

STRUCTURAL ENGINEERING MSC PROGRAM

FROM 2017

		Code	Credit	Lecture	Seminar	Laboratory	Conzultation	Day	M/E/S	Semester
Core Subjects										
	Methods of Engineering Analysis	BMEEOHSMK51	3	1	1				M	1
	Numerical Methods	BMEEOFTMK51	4			3			M	1
	Geodynamics	BMEEOGMMS51	3	2					M	2
	FEM for Civil Engineers	BMEEOTMMS51	5	2	2				E	1
	Soil-Structure Interaction	BMEEOGMMS52	5	3	1				M	1
	Structures 1	BMEEOHSMS51	5	3	1				E	1
Specialization in Numerical Modeling										
	Obligatory Subjects									
	Numerical modeling project	BMEEOTMMS5P	5				2		M	2
	Structural Dynamics	BMEEOTMMN-1	4	2	1				M	2
	Stability of Structures	BMEEOHSMT-2	4	2	1				E	2
	Nonlinear Mechanics	BMEEOTMMN-2	4	2	1				E	1
	Elective Subjects		11							
	Diploma Project	BMEEODHMN-D	20						M	3
	Recommended Elective Subjects									
	Plasticity	BMEEOTMMN61	3	1	1				M	2
	Nonlinear FEM	BMEEOTMMN62	3	2					M	2
	Analysis of Rods and Frames	BMEEOTMMN63	3	1	1				M	2
	Discrete Element Method	BMEEOTMMN64	3	1	1				M	2
Specialization in Structures										
	Obligatory Subjects									
	Structures project	BMEEOHSMS5P	5				2		M	2
	Structures 2	BMEEOHSMT-1	4	2	1				E	2
	Stability of Structures	BMEEOHSMT-2	4	2	1				E	2
	Seismic Design	BMEEOHSMT-3	4	2	1				M	2
	Structural Dynamics	BMEEOTMMN-1	4	2	1				M	2
	Elective Subjects		7							
	Diploma Project	BMEEODHMT-D	20						M	3
	Recommended Elective Subjects									
	Applied Fracture Mechanics	BMEEOHSMT61	4	2	1				M	2
	Prestressing Technologies	BMEEOHSMT62	3	1	1				M	2
	Strengthening of Structures	BMEEOHSMT63	3	1	1				M	2
Specialization in Geotechnics and Geology										
	Obligatory Subjects									
	Geotechnics and engineering geology project	BMEEOGMMS5P	5				2		F	2
	Engineering Geology MSc	BMEEOGMMG-1	4	2	1				V	2
	Environmental Geology	BMEEOGMMG-2	4	2	1				F	1
	Geotechnical Design	BMEEOGMMG-3	4	2	1				F	2
	Earthworks of Infrastructures	BMEEOGMMG-4	4	2	1				F	2
	Elective Subjects		7							
	Diploma Project	BMEEODHMG-D	20						F	3
	Recommended Elective Subjects									
	Tunneling	BMEEOGMMG61	3	2					F	2
	Hydrogeology	BMEEOGMMG62	3	2					F	2
	Numerical Methods of Geotechnics	BMEEOGMMG63	3	1		1			F	1
	Engineering Geology of Hungary	BMEEOGMMG64	3	2					F	2

Infrastructural Engineering Program

FROM 2021

		Code	Credit	Lecture	Seminar	Laboratory	Conzultation	Day	M/E/S	Semester
Core Subjects										
	Methods of Engineering Analysis	BMEEOHSMK51	3	1	1				M	1
	Numerical Methods	BMEEOFTMK51	4			3			M	1
	Database Systems	BMEEOFTMI51	3		2				M	2
	Environmental systems	BMEEOVKMI51	4	3					E	1
	Ecology	BMEEOVKMI52	3	2					M	1
	Engineering works of infrastructure	BMEEOHSMI51	3	2					E	2
	Dewatering	BMEEOVKMI53	3	2					M	2
Specialization in Highway and Railway Engineering										
	Obligatory Subjects									
	Transport strategic planning	BMEEOUVMU-1	4	2	1				M	1
	Railway Station Design	BMEEOUVMU-2	4	2	1				E	2
	infrastructure Management Systems	BMEEOUVMU-3	3	2					E	2
	Project Management in Transportation	BMEEOUVMU-4	2	2					M	1
	Elective Subjects		17							
	Diploma Project	BMEEODHMU-D	20						M	3
	Recommended Elective Subjects									
	Transportation Modeling	BMEEOUVMU61	2	2					M	1
	Railway Operation	BMEEOUVMU62	2	2					M	1
	Pavement Structures	BMEEOUVMU63	5	4					E	2
	Railway Track Structures	BMEEOUVMU64	4	2					E	1
	Intelligent Transportation Systems	BMEEOFTMF61	3	1	1				M	2
	Transport economics	BMEEOUVMU65	3	2					M	2
	CAD Software in Road and Rail Design	BMEEOUVMU66	3	3					M	1
Specialization in Water and Hydro-Environmental Engineering										
	Obligatory Subjects									
	Water and wastewater treatment II.	BMEEOVKMV-1	4	3					E	1
	Water quality monitoring	BMEEOVKMV-2	2	2					M	1
	Modelling of Hydrosystems	BMEEOVVMV-1	4	2	1				E	1
	Hydromorphology	BMEEOVVMV-2	4	2				3	E	2
	Elective Subjects		16							
	Diploma Project	BMEEODHMF-D	20						M	3
	Recommended Elective Subjects									
	Design of Water-Use Structures	BMEEOVVMV61	4	2	1				M	2
	Design of Water Damage Prevention Structures	BMEEOVVMV62	4	2	1				M	1
	Groundwater	BMEEOVVMV63	3	2					M	2
	Hydrography and Hydroinformatics	BMEEOVVMV64	5	2	2				M	2
	Water and wastewater treatment plants	BMEEOVKMV61	3	2	1				M	2
	Water quality management	BMEEOVKMV62	2	1	1				M	2
	Public water utility systems modelling	BMEEOVKMV63	4	2	1				M	2
	Reconstruction of public water utility systems	BMEEOVKMV64	3	2					M	1

Land Surveying and Geoinformatics Program

FROM 2021

		Code	Credit	Lecture	Seminar	Laboratory	Conzultation	Day	M/E/S	Semester
Core Subjects										
	Methods of Engineering Analysis	BMEEOHSMK51	3	1	1				M	1
	Numerical Methods	BMEEOFTMK51	4			3			M	1
	Geophysics	BMEEOAFMF51	3	2					M	1
	Land Management	BMEEOAFMF52	3	2					M	1
	Adjustment calculations (MSc)	BMEEOAFMF53	4	2	1				E	1
	Digital Earth	BMEEOFTMF51	5	2	1				E	1
Specialization in Land Surveying and Geoinformatics										
	Obligatory Subjects									
	GNSS Theory and Applications	BMEEOAFMF-1	5	2	1				E	2
	Information Technologies	BMEEOFTMF-1	5	1	2				M	1
	Automated Surveying	BMEEOAFMF-2	5	1	2				E	2
	Applied Geoinformatics	BMEEOFTMF-2	5	1	2				M	2
	Mapping Technologies	BMEEOFTMF-3	5	1	2				E	2
	Recommended elective subjects		8	3	2					
	Diploma project	BMEEODHMF-D	20							3
	Recommended Elective Subjects									
	Physical Geodesy and Gravimetry	BMEEOAFMF61	4	2	1				M	1
	Geodetic Networks and Projections	BMEEOAFMF62	3	2					E	2
	Intelligent Transportation Systems	BMEEOFTMF61	3	1	1				M	2
	ITS Geoinformatics	BMEEOFTMF62	2				2		M	2

	2023/24 1st Semester	MSc Specialization in Structural Engineering Fall Semester			
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00			**Soil-Structure Inter.** BMEEOGMMS52 EA K.f88	EN1 Numerical Methods K.f27c	**Num. Meth. of Geotech.** BMEEOGMMG63 EA, K.mf21
9:15--10:00					01 Num. M. of Geotech.
10:15--11:00		**Meth. of Eng. Analysis** BMEEOHSMK51 EA, K.f88	EN5 Numerical Methods	EN1 Structures Project BMEEOHSMS5P K.mf78	
11:15--12:00		EN1 Meth. of Eng. An.			**Nonlinear Mechanics** BMEEOTMMN-2 EA K.mf78
12:15--13:00	+EN1 Numerical Methods K.f27c	+ EN5 Numerical Methods	**FEM for Civil Eng.** BMEEOTMMS51 EA K.f88	EN3 Numerical Methods K.142a	
13:15--14:00					EN1Nonlinear Mech. K.mf78
14:15--15:00	**+Structures I.** K.f88 BMEEOHSMS51		**+Soil-Structure Inter.** BMEEOGMMS52 EA, K.mf79	**Structures I.** BMEEOHSMS51 EA K.f88	#EN3 Numerical Methods +EN5 Numerical Methods
15:15--16:00	#EN1 Structures I. K.f88		#EN1Soil-Structure Inter.		
16:15--17:00	*EN2 Numerical Methods K.f27c*			EN1 FEM for Civil Eng. K.f88	
17:15--18:00					

	2023/24 1st Semester	MSc Specialization in Numerical Modelling Fall Semester			
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00			**Soil-Structure Inter.** BMEEOGMMS52 EA K.f88	EN1 Numerical Methods K.f27c	**Num. Meth. of Geotech.** BMEEOGMMG63 EA, K.mf21
9:15--10:00					01 Num. M. of Geotech.
10:15--11:00		**Meth. of Eng. Analysis** BMEEOHSMK51 EA, K.f88	EN5 Numerical Methods	EN1 Numerical Mod. Pr. BMEEOTMMS5P K.mf78	
11:15--12:00		EN1 Meth. of Eng. An.			**Nonlinear Mechanics** BMEEOTMMN-2 EA K.mf78
12:15--13:00	+EN1 Numerical Methods K.f27c	+ EN5 Numerical Methods	**FEM for Civil Eng.** BMEEOTMMS51 EA K.f88	EN3 Numerical Methods K.142a	
13:15--14:00					EN1Nonlinear Mech. K.mf78
14:15--15:00	**+Structures I.** K.f88 BMEEOHSMS51		**+Soil-Structure Inter.** BMEEOGMMS52 EA, K.mf79	**Structures I.** BMEEOHSMS51 EA K.f88	#EN3 Numerical Methods +EN5 Numerical Methods
15:15--16:00	#EN1 Structures I. K.f88		#EN1Soil-Structure Inter.		
16:15--17:00	*EN2 Numerical Methods K.f27c*			EN1 FEM for Civil Eng. K.f88	
17:15--18:00					

	2023/24 1st Semester	MSc Specialization in Geotechnics and Geology Fall Semester			
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00			**Soil-Structure Inter.** BMEEOGMMS52 EA K.f88	EN1 Numerical Methods K.f27c	**Num. Meth. of Geot.** BMEEOGMMG63 EA, K.mf21
9:15--10:00					01 Num. M. of Geotech.
10:15--11:00		**Meth. of Eng. Analysis** BMEEOHSMK51 EA, K.f88	EN5 Numerical Methods	EN1 Geotech. projekt BMEEOGMMS5P K.mf78	**Environmental Geol.** BMEEOGMMG-2 EA K.136
11:15--12:00		EN1 Meth. of Eng. An.			
12:15--13:00	+EN1 Numerical Methods K.f27c	+ EN5 Numerical Methods	**FEM for Civil Eng.** BMEEOTMMS51 EA K.f88	EN3 Numerical Methods K.142a	01Environm. Geology 12-13
13:15--14:00					
14:15--15:00	**+Structures I.** K.f88 BMEEOHSMS51		**+Soil-Structure Inter.** BMEEOGMMS52 EA, K.mf79	**Structures I.** BMEEOHSMS51 EA K.f88	#EN3 Numerical Methods +EN5 Numerical Methods
15:15--16:00	#EN1 Structures I. K.f88		#EN1Soil-Structure Inter.		
16:15--17:00	*EN2 Numerical Methods K.f27c*			EN1 FEM for Civil Eng. K.f88	
17:15--18:00					

Core Subjects	Structural Engineering	Numerical Modelling	Geotechnics&Geology	Elective
Core Subjects (3st Sem.)				

	2023/24 1st Semester	MSc Specialization in Highway and Railway Engineering Power Plants Fall Semester			
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00		**Proj. Manag. in Transp.** BMEEOUVMU-4 EA K.f99	**Railway Operation** BMEEOUVMU62 EA ST428	EN1 Numerical Methods K.f27c	**Railway Track Struct.** BMEEOUVMU64 EA K.f99
9:15--10:00					
10:15--11:00		**Meth. of Eng. Analysis** BMEEOHSMS51 EA, K.f88	**Transport. Modeling** BMEEOUVMU61 EA K.f99	**Transp. Strat. Plan.** BMEEOUVMU-1 EA K.f99	**Railway Track Struct.** BMEEOUVMU64 EA Kf99
11:15--12:00		EN1 Meth. of Eng. An.			
12:15--13:00	+EN1 Numerical Methods K.f27c	**Ecology** BMEEOVKMI52 EA K.mf30		01 Transp. Strat. Plan.	
13:15--14:00				**CAD Road and Rail Dsg.** BMEEOUVMU66 EA Kf99	
14:15--15:00	+EN4 Numerical Methods				
15:15--16:00					
16:15--17:00			**Environmental syst.** BMEEOVKMI51 EA K.mf31		
17:15--18:00					
18-19					
19-20					

	2023/24 1st Semester	MSc Specialization in Water and Hydro-Environmental Engineering Fall Semester			
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00		*EN4 Numerical Methods*		EN1 Numerical Methods K.f27c	
9:15--10:00			**Dsg. of Wa. Dam. Prev.** BMEEOVVMV62 EA		
10:15--11:00		**Meth. of Eng. Analysis** BMEEOHSMS51 EA, K.f88		**Mod. of Hydrosys.** BMEEOVVMV-1 EA	
11:15--12:00		EN1 Meth. of Eng. An.	EN1 Dsg. of Wa. Dam. Prev		
12:15--13:00	+EN1 Numerical Methods K.f27c	**Ecology** BMEEOVKMI52 EA K.mf30	**Reconstr.of water u.sys.** BMEEOVKMV64 EA	EN1 Mod. of Hydrosys.	
13:15--14:00				**Water&waste. Treat.II.** BMEEOVKMV-1 EA K.mf31	
14:15--15:00	*+EN4 Numerical Methods*				
15:15--16:00					
16:15--17:00	**Water quality mon.** BMEEOVKMV-2 EA		**Environmental syst.** BMEEOVKMI51 EA K.mf31	**Integrated W. Man.** BMEEOVVMX61 EA	
17:15--18:00					
18-19				01 Integrated W. Man.	
19-20					

	2023/24 1st Semester	MSc Specialization in Land Surveying and Geoinformatics Fall Semester			
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:15--9:00		*EN4 Numerical Methods*		EN1 Numerical Methods K.f27c	
9:15--10:00					
10:15--11:00		**Meth. of Eng. Analysis** BMEEOHSMS51 EA, K.f88	**Land Management** BMEEOAFMF52 EA	**Adjust. Calculat.** BMEEOAFMF53 EA	
11:15--12:00		EN1 Meth. of Eng. An.			
12:15--13:00	+EN1 Numerical Methods K.142b	**Phys. Geod.& Grav.** BMEEOAFMF61 EA	**Digital Earth** BMEEOFTMF51 EA	+EN1 Adjust. Calculat.	
13:15--14:00				#EN1 Phys. Geod.& Grav	
14:15--15:00	*+EN4 Numerical Methods*		+EN1 Digital Earth	**Geophysics** BMEEOAFMF51 EA	
15:15--16:00			**# Information Tech.** BMEEOFTMF-1		
16:15--17:00			EN1 Information Tech.		
17:15--18:00					
18-19					

Core Subjects	Infrastructural Branch	Highway and Railway Spec.	Water and Hydro-E. Spec.
Core Subjects (3rd Sem.)	Land Surveying and Geoinformatics Specialization		