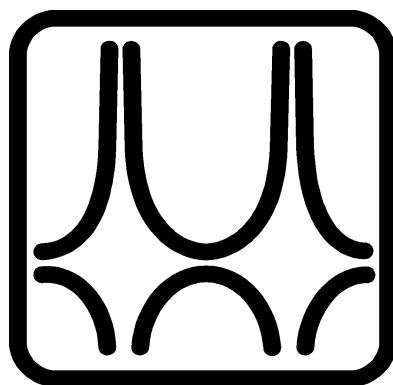




Budapest University of Technology and Economics

Timetable

**International full time students
Year 2023/24 - Spring Semester**



Faculty of Civil Engineering

BSc-MSc course year 2023/24 2nd semester calendar

Edu week	even(#)/odd(+)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		5-Feb	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb	11-Feb
----- Registration week -----								
1	+	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb	18-Feb
2	#	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb
3	+	26-Feb	27-Feb	28-Feb	29-Feb	1-Mar	2-Mar	3-Mar
4	#	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar
5	+	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar
6	#	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar
7	+	25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar
8		1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr
----- Spring break -----								
9	#	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr
						Vásárhelyi Days		
10	+	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
11	#	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr
12	+	29-Apr	30-Apr	1-May	2-May	3-May	4-May	5-May
				Day off				
13	#	6-May	7-May	8-May	9-May	10-May	11-May	12-May
14	+	13-May	14-May	15-May	16-May	17-May	18-May	19-May
15	#	20-May	21-May	22-May	23-May	24-May	25-May	26-May
		Day off						
		27-May	28-May	29-May	30-May	31-May	1-Jun	2-Jun
----- Repeat week -----								
		3-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun
		Exam per. start						
		10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun	16-Jun
		17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun
		State (Final) examination period starts						
		24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun
						Exam per. end		
		1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul
			grade registration end until 14:00		State Exam per. end			

The last examination day of the subjects taught by the Faculty of Civil Engineering in the BSc program is 1st of July because of the Field courses.

Study period:

Repeat week:

Exam period:

Holiday:

Preliminary Program in Civil Engineering

Spring semester week 1-7

	Mon	Tue	Wed	Thu	Fri
8-10	study room	mathematics	study room	digital skills	study room
10-12	physics	physics	mathematics	programming	mathematics
12-14	mathematics	study room	physics	mathematics	study room
14-16	English		English	English	

Spring semester week 8-14

	Mon	Tue	Wed	Thu	Fri
8-10	study room		study room	digital skills	study room
10-12	physics	physics	mathematics	programming	mathematics
12-14	mathematics	study room	physics	mathematics	study room
14-16	English	mathematics	English	English	study room

CIVIL ENGINEERING BSC FROM 2017 - SPECIALIZATION IN STRUCTURAL ENGINEERING

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	
Core subjects																		
English for Civil Engineering 1.	BMEGT60Z911	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	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								
English for Civil Engineering 2.	BMEGT60Z912	4		4				M	2		X							
Surveying II.	BMEEOAFAT42	4	2	2				E	2		X							EOAFAT41~/EOAFAT45~
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							
Mathematics A2a - Vector Functions	BMETE90AX02	6	4	2				E	2		X							TE90AX00
Surveying Field Course	BMEEOAFAT43	3					9	M	3			X						EOAFAT42!~
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	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~ EOHSA41
Reinforced Concrete Structures	BMEEOHSAT43	3	3					M	4				X					EOTMAT42 EOEMAT43~ EOHSA41
Roads	BMEEOUVAT42	2	2					M	4				X					EOUAT41
Hydraulic Engineering, Water Manag.	BMEEOVVAT43	3	2	1				E	4				X					EOVVAT41 EOVVAT42
Communication Skills for Civil Engineers	BMEGT60Z913	2	2	2				M	4				X					
Business Law	BMEGT55A001	2	2	2				M	4					X				
Foundation Engineering	BMEEOGMAT45	4	3					E	5					X				EOGMAT43
Management and Business Economics	BMEGT20A001	4	4					M	5					X				
Micro- and Macroeconomics	BMEGT30A001	4	4					E	6						X			
Construction Management	BMEEPEKAT41	3	2	1				M	6						X			EOEMAT44 EOGMAT42
Urban and Regional Development	BMEEOUVAT43	3	2	2				M	7							X		
Optional subjects		4	4					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 EOHSA41
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 EOHSA43
RC and Masonry Structures	BMEEOHSAS42	4	2	1				M	5					X				EOHSAT43 EOEMAS42
Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5					X				EOHSAT42 EOHSA43
Laboratory Practice of Testing of Structures and M	BMEEOHSAS46	2			4			M	5					X				EOHSAT42 EOHSA43
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 EOHSA43
Design of Structures Projectwork	BMEEODHAS41	6				2		M	6						X			EOHSAS47 EOHSA42 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
Technical Internship	BMEEODHAS42	0					20	S	7								X	EOHSAS47 EOHSA42
Specialization in Structural Engineering																		
Steel Buildings	BMEEOHSAS-A1	5	3	1				E	6						X			EOHSAS47
Reinforced Concrete Buildings	BMEEOHSAS-A2	5	3	1				E	6						X			EOHSAS42 EOHSA44
Building Construction Methodology	BMEEOEMA-A1	2	1	1				E	7							X		EOEMAS43
Engineering Works	BMEEOHSAS-B3	3	2					E	7							X		EOHSAT43 EOHSA43 EOGMAS42
Structural Design Projectwork	BMEEOHSAS-PP	6				2		M	7							X		EOHSAS41 EOHSA-A1 EOHSA-A2
Preparatory Course for BSc Thesis Project	BMEEODHA-PT	9						M	8								X	EOHSAS-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
Recommended Optional Subjects																		
Reinforced Concrete Bridges	BMEEOHSAS-B2	4	2	1				E	6						X			EOHSAS42 EOHSA43 EOHSA44
Hungarian Language and Culture for SH Students 1	BMEGT60Z9H1	2		4				M			X							
Hungarian Language and Culture for SH Students 2	BMEGT60Z9H2	2		4				E				X						

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 semester).

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								Preliminary requirement(s)
										1	2	3	4	5	6	7	8	
Core subjects																		
English for Civil Engineering 1	BMEGT60Z911	4	4					M	1	X								
Surveying 1	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								
English for Civil Engineering 2	BMEGT60Z912	4	4					M	2		X							
Surveying 2	BMEEOAFAT42	4	2	2				E	2		X						EOAFAT41~*EOAFAT45~*	
Construction Materials 1	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	
Hydraulics 1	BMEEOVVAT42	3	2	1				E	2		X						TE90AX00~	
Mathematics A2a - Vector Functions	BMETE90AX02	6	4	2				E	2		X						TE90AX00	
Surveying Field Course	BMEEOAFAT43	3					9	M	3			X					EOAFAT42~	
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3		X						EOTMAT41	
Geoinformatics	BMEEOFTAT43	3	2	1				M	3			X						
Basis of Design	BMEEOHSAT41	3	2	1				M	3		X						EOTMAT41	
Structural Analysis 1	BMEEOTMAT43	4	4					E	3		X						EOTMAT42	
Railway Tracks	BMEEOUVAT41	3	3					E	3		X						TE90AX00	
Basics of Environmental Engineering	BMEEOVKAT41	3	2					M	3		X							
Public Works 1	BMEEOVKAT42	3	2	1				E	3		X						EOVVAT42	
Hydrology 1	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	
Reinforced Concrete Structures	BMEEOHSAT43	3	3					M	4		X						EOEMAT43~	
Roads	BMEEOUVAT42	2	2					M	4			X					EOTMAT42	
Hydraulic Engineering, Water Manag.	BMEEOVVAT43	3	2	1				E	4		X						EOEMAT43~	
Communication Skills for Civil Engineers	BMEGT60Z913	2	2					M	4		X						EOHSAT41	
Business Law	BMEGT55A001	2	2					M	4			X					EOUVAT41	
Foundation Engineering	BMEEOGMAT45	4	3	0				E	5				X				EOVVAT42	
Management and Enterprise	BMEGT20A001	4	4					M	5			X					EOGMAT43	
Micro- and Macroeconomics	BMEGT30A001	4	4					E	6				X					
Construction Management	BMEEPEKAT41	3	2	1				M	6					X			EOEMAT44	
Urban and Regional Development	BMEEOUVAT43	3	2					M	7						X		EOGMAT42	
Elective subject		4	4					M	7						X			
Branch Subjects																		
Infrastructure CAD Course	BMEEOUVAI45	1			2			M	4			X					EOUVAI41	
Water Chemistry and Hydrobiology	BMEEOVKAI43	3	2		1			E	4		X						EOFTAT41	
* Legal Aspects of Water and Environment	BMEEOVKAI45	2	2					M	4		X							
Hydraulics 2	BMEEOVVAI42	3	2	1				E	4			X					EOUVAI41	
Highway and Railway Structures	BMEEOUVAI41	5	4					E	5			X					EOVVAT42	
Highway and Railway Design	BMEEOUVAI43	5	3	2				E	5			X					EOUVAI42	
Public Works 2	BMEEOVKAI41	5	2	2				E	5			X					EOUVAI43	
Urban Environment	BMEEOVKAI42	3	2			1		M	5			X					EOVKAT41	
Water Quality Management	BMEEOVKAI44	3	2	1				M	5			X					EOVKAI43	
Hydrology 2	BMEEOVVAI41	3	2	1				M	5			X					EOUVAI42	
* Transportation Networks	BMEEOUVAI42	3	2					M	6				X				EOVVAT41	
* Highway and Railway Laboratory Practice	BMEEOUVAI44	1			3			M	6				X				EOUVAI42	
* Water Resources Management	BMEEOVVAI43	3	2					E	6				X				EOUVAI41	
Hydraulic Engineering Field Course	BMEEOVVAI44	2				6		M	6				X				EOVVAT43	
Infrastructure Study Project	BMEEOVVAI41	6			2			M	6				X				EOVVAI42~*	
Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7					X			EOUVAI43	
Earthworks and Drainage of Transportation Infrastructures	BMEEOGMAI41	3	3					E	7					X			EOUVAI44	
Technical Internship	BMEEOVVAI42	0				20	S	7						X			EOGMAT43	
Proposed Optional Branch Subjects																		
* Building Construction I.	BMEEOEMAS42	3	1	2				E	4			X					EOUVAI43	
* Timber Structures	BMEEOHSAS44	3	2					M	4			X					EOUVAI42	
* Construction Materials II.	BMEEOEMAS41	3	1	2				E	5			X					EOUVAI41	
* Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5			X					EOUVAI42	
* Rock Mechanics	BMEEOGMA41	3	1	1				M	6				X				EOUVAI43	
* Underground Structures, Deep Found.	BMEEOGMA42	3	2	1				M	6				X				EOUVAI44	
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				EOUVAI42	
Drinking Water and Wastewater Treatment	BMEEOVKA-H1	4	3					E	6				X				EOUVAI41	
** Railway Design	BMEEOUVA-E2	3	2					E	7					X			EOUVAI42	
** River Basin Management	BMEEOVVA-F2	3	2					E	7					X			EOUVAI43	
** Environmental Impact Assessment	BMEEOVKA-H3	3	3					E	7				X				EOUVAI44	
** Transport Infrastructure Design Project	BMEEOUVA-QP	6				2		M	7					X			EOUVAI45	
** Hydraulic Engineering Design Project	BMEEOVVA-QP	6				2		M	7					X			EOUVAI46	
** Urban Water Infrastructure Design Project	BMEEOVKA-QP	6				2		M	7					X			EOUVAI47	
Diploma Project	BMEEOVVA-QD	24						M	8						X		EOUVAI48	
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		25							3	4	4	4	4	4	3	0		
Proposed Elective Subjects																		
Field Course of Structural Geodesy	BMEEOAFAS42	1			2			M	7						X		EOUVAI49	
Satellite Positioning	BMEEOAFAG45	3	2					E	5				X				EOUVAI48	
The Digital Earth	BMEEOFTAG41	3	2	1				M	5				X				EOUVAI47	
Hungarian Language and Culture for SH Students 1	BMEGT60Z9H1	2	4					M	X									
Hungarian Language and Culture for SH Students 2	BMEGT60Z9H2	2	4					E	X									

* 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 fulfilled.

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

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 semester).

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 2nd Semester		BSc Civil Engineering 1st year				students
Monday		Tuesday	Wednesday	Thursday	Friday	
8:15-10:00	EN1 English for CE 2	EN1 English for CE 2	EN2 Surveying II.	EN1 Constr. Mat. I. MM.L2 EN2 Constr. Mat. I. MM.L3 EN3 Constr. Mat. I. MM.L4 EN4 Constr. Mat. I. MM.P	EN5 Surveying II.	
	EN2 English for CE 2	EN2 English for CE 2 EN4 CE Informatics				
10:15-12:00	EN2 B. Const. Study EN1 Basis of Stat.&Dyn.	Hydraulics I. K.f10	Constr. Materials I. K.f88	Surveying II. K.f88	EN6 Surveying II.	
					EN2 CAD for Civil E. #Building Con. St.	
12:15-14:00	EN1 Intr.to Str. of M. EN2 Intr.to Str. of M. EN1 CAD for Civil E.	Civil Eng. Representation EN1 Basis of Stat.&Dyn.	+EN1 Intr. to Str. K.mf78 #EN2 Intr. to Str. K.mf78 #EN1 Hydraulics I. K.371 +EN1 Hydraulics I. K.371	CE Informatics K.f88	EN3 CE Informatics K.142a #EN1 Basis of Stat.&Dyn.	
14:15-16:00	EN1 CE Informatics	EN1 Surveying II.	EN1 B. Const. Study K.183 EN2 CE Informatics K.142a	EN3/EN4 Surveying II.	EN1 Intr. to Str. of M. K.373 EN2 Intr. to Str. of M. K.mf78	
16:15-18:00	Mathematics A2a	EN1 Civil Eng. Representation Hung.Lang.and Cult. SH 2. BMEGT60Z9H2	EN1 Mathem. A2a EN2 Mathem. A2a	Mathematics A2a		
Surveying Field Course		EN1 2023. 06. 11 - 19	EN2 2023. 06. 20 - 28			

2023/24 2nd Semester		BSc Civil Engineering 2nd year				students
Monday		Tuesday	Wednesday	Thursday	Friday	
8:15-10:00	EN1 Building Const.I. K.183	#Reinf. Concr. Str. K.f12 K.f12	Reinf. Concrete Str. K.f12	Hydr. Eng. & Water Man. K.174	EN1 Soil Mechanics K.374	
10:15-12:00	Business Law K.f88 + Hydrology I # Hydrology I	#Building Constr.I. +Building Constr.II.	+EN1 Hydr.Eng.&Water Man K.f10 +EN2 Hydr.Eng.&Water Man K.f10	Steel Structures	Hydraulics 2 K.f88	
12:15-14:00	+ Steel Structures	Structural Analysis I. K.mf78	Earthworks EA Soil Mechanics K.mf21	Timber Structures Legal Aspects of Water and Environment	01 Hydraulics 2 K.f88	
14:15-16:00	Roads EN1 Building Const.II. K.144 Railway Tracks K.373	EN1 Infrastr. CAD Course EN2 Infrastr. CAD Course 16-18	+EN1 Earthworks #EN2 Earthworks #EN1 Public Works +EN1 Hydrology I.	Water Chem. & Hydrob. EA K.mf31 Strength of Materials K.389	Water Chem. & Hydrob. EN1 laboratory 14-18 2 * 4 hours laboratory	
16:15-18:00	Basics of Env. Eng. K.mf31	Mathematics A3 16-18 Mathematics A3 18-20	Public Works I. K.mf31	Structural Analysis I. K.372		
18:15-19:00						

2023/24 2nd Semester		BSc Branch of Structural Engineering 3rd year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00		Reinf. Concr. Buildings Water Resources Management BMEEOVVAI43	Micro&Macroeconomics	+Reinf. Concr. Buildings EL111	Underground Str. BMEEOGMAS42
				#EN1 Reinf. Concr. Build. EL111	Highway&Railway Lab. Pr. BMEEOUVAI44
10:15-12:00	Bridges and Infrastr. K.f12	EN1 Structural Design Projektwork K.f12	EN1 3D Constr. Mod. of Str.	+Steel Buildings EL111	#EN1 Underground Str.
		EN1 Design of Structures Projektwork	Foundation Engineering	#EN1Steel Buildings EL111	Highway&Railway Lab. Pr. 9-12
		Infrastructure Study Project BMEEODHA141			
12:15-14:00	Steel and Composite Str. Drinking Wat.&Waste. Treat. BMEEOVKA-H1 12-15	Steel Buildings BMEEOHSA-A1	Constr. Management K.f88	Micro&Macroeconomics K.389	Reinf. Concr. Bridges K.f12
		Transportation Networks BMEEOUVAI42	#Foundation Engineering		Water Util., Mater Dam.Prev. BMEEOVVA-F1
14:15-16:00	'Steel and Comp.Str. 14-15	+ Rock Mechanics #EN1/2 Rock Mechanics	Comm. Skills for CE K.376	+EN1 Constr. Management K.389	EN1Reinf. Concr. Bridges K.f12 14-15
		Water Util., Mater Dam.Prev. BMEEOVVA-F1	Engineering Works	#EN2 Rock Mechanics K.136	
16:15-18:00				Hydraulic Engineering FC BMEEOVVAI44 17-20	

Civil Engineering	Structural Engineering	Infrastructural Engineering	Bsc elective	Cross semesters
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2023/24 2nd Semester		BSc Branch of Structural Engineering 3rd year			students
Monday		Tuesday	Wednesday	Thursday	Friday

8:15-10:00					
10:15-12:00					
12:15-14:00					
14:15-16:00			Field Course of Structure Geodesy BMEEOAFAS42 #EN1/+EN2 14-18 K.f27k 14-18		
16:15-18:00					

Civil Engineering	Structural Engineering	Infrastructural Engineering	Bsc elective	Cross semesters
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STRUCTURAL ENGINEERING MSC PROGRAM

FROM 2017

	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
Core Subjects									
Advanced Mathematics	BMETE90MX33	3	2	1				E	1
Physics Laboratory	BMETE11MX22	1			1			M	2
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
Decision Supporting Methods	BMEEPEKMST4	2	2					M	3
Accounting, Controlling, Taxation	BMEGT35M014	2	2					M	3
Corporate Finance	BMEGT35M411	2	2					M	3
Engineering Ethics	BMEGT41M004	2	2					M	3
Optional Subjects		5							
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	BMEEODHMMN-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		M	2
Engineering Geology MSc	BMEEOGMMG-1	4	2	1				E	2
Environmental Geology	BMEEOGMMG-2	4	2	1				M	1
Geotechnical Design	BMEEOGMMG-3	4	2	1				M	2
Earthworks of Infrastructures	BMEEOGMMG-4	4	2	1				M	2
Elective Subjects		7							
Diploma Project	BMEEODHMG-D	20						M	3
Recommended Elective Subjects									
Tunneling	BMEEOGMMG61	3	2					M	2
Hydrogeology	BMEEOGMMG62	3	2					M	2
Numerical Methods of Geotechnics	BMEEOGMMG63	3	1		1			M	1
Engineering Geology of Hungary	BMEEOGMMG64	3	2					M	2

		Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
Core Subjects										
Advanced Mathematics		BMETE90MX33	3	2	1				E	1
Physics Laboratory		BMETE11MX22	1			1			M	2
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
Drainage of engineering constructions		BMEEOVKMI53	3	2					M	2
Environmental economics		BMEGT42M400	2	2					M	3
Accounting, Controlling, Taxation		BMEGT35M014	2	2					M	3
Corporate Finance		BMEGT35M411	2	2					M	3
Engineering Ethics		BMEGT41M004	2	2					M	3
Optional Subjects			5							
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	5	2					E	1
Intelligent Transportation Systems		BMEEOFTMF61	3	1	1				M	2
Economics of Civil Engineering Projects		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		BMEEODHMV-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		BMEEOVKMV63	4	2	1				M	2
Reconstruction of public water utility systems		BMEEOVKMV64	3	2					M	1

Land Surveying and Geoinformatics MSc Program

FROM 2021

	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
Core Subjects									
Advanced Mathematics	BMETE90MX33	3	2	1				E	1
Physics Laboratory	BMETE11MX22	1			1			M	2
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
Accounting, Controlling, Taxation	BMEGT35M014	2	2					M	3
Corporate Finance	BMEGT35M411	2	2					M	3
Engineering Ethics	BMEGT41M004	2	2					M	3
Optional Subjects		5							
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

MSC in Construction Information Technology Engineering

	English Name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	F/A	Semester****
Core Subjects										
	Numerical Methods	BMEEOAFMB51	4			2			V	1
	Construction Information Technology Mathematics	BMETE90MX63	3	2					V	1
	Building Information Modelling	BMEEOFTMB51	3	2					F	1
	Decision Support Methods	BMEEPEKMB51	2	2					F	1
	Construction Information Technology Engineering Project	BMEEODHMB5P	6				2		F	1
	BIM Modelling and Design	BMEEOFTMB52	5			4			V	2
	Civil Engineering Automation, Modelling	BMEEOHSMB51	5	1	2				V	2
	Construction Information Technology Programming	BMEVIAUM051	6	1	4				F	2
	Complex Construction IT project	BMEEODHMB5K	6				2		F	2
	Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2					F	3
	Technology Theories	BMEGT41MB52	2	2					F	3
***	Diploma Project	BMEEODHMB-D	20				1		F	3
Obligatory and recommended Elective Subjects										
	1 st Obligatory Elective Subject*		8	2	4				V	1
	2 nd Obligatory Elective Subject*		4	1	2				F	1
	1 st Recommended Elective Subject*		4	2	1				F	2
	2 nd Recommended Elective Subject*		4	2	1				F	2
	Optional subjects	BMEEO	5						F	3
		1 st semester	30	9	6	2	2	0		
		2 nd semester	30	6	8	4	2	0		
		3 rd semester	30	4	0	0	1	0		
		Σ	90	19	14	6	5	0		
*Students with a BSc degree in Civil Engineering or Architecture (Student Group I.)										
	Obligatory Elective Subjects (at least 12 credits to complete)									
	Programming	BMEVIHIA061	8	2	4				V	1
	Database Systems	BMEEOFTMB-1	4	1	2				F	1
	Recommended Elective Subjects (at least 8 credits to complete)									
	Structural Dynamics	BMEEOTMMN-1	4	2	1				F	2
	Stability of Structures	BMEEOHSMT-2	4	2	1				V	2
	FEM for Engineers	BMEEOTMMB61	4	1	2				F	2
	Numerical Methods in Geotechnics	BMEEOGMMB61	4	1		1			F	2
	Automated Survey Systems	BMEEOAFMB61	4	1	2				F	2
	Electrical Systems in Buildings	BMEVIVEM061	4	2					V	2
	HVAC Basics	BMEGEÉENÉ01	4	2					F	2
*Students with a BSc degree in Mechanical Engineering/ Energy Engineering/ Mechatronics Engineering/ Electrical Engineering/ Computer Science (Student Group II.)										
	Obligatory Elective Subjects (at least 12 credits to complete)									
	Building Constructions	BMEEOEMMB-1	8	2	4				F	1
	Finite Element Modelling	BMEEOTMMB-1	4	1	2				V	1
	Recommended Elective Subjects (at least 8 credits to complete)									
	Construction Management	BMEEPEKMB61	4	2	1				F	2
	Civil Engineering Structures and Modelling	BMEEOHSMB61	4	2	1				F	2
	Constructions of Buildings and Structures	BMEEOEMMB61	4	2	1				F	2
	Modelling of Hydrosystems	BMEEOVVMV-1	4	2	1				F	2
	Electrical Systems in Buildings	BMEVIVEM061	4	2					V	2
	HVAC Basics	BMEGEÉENÉ01	4	2					F	2
Optional Subjects										
**	Optional subject - internship (at company)	BMEEODHMBV02	5					20	F	3
**	Optional subject 1.	BMEEO	2	2					F	1
**	European Engineering Projectwork	BMEEOFTMX61	5	2					F	2
**	Optional subject etc.	BMEEO	2	2					F	1

*The committee of the MSc program divides the students into groups according to their previous BSc studies in order to unify the output competences that are acquired with the completion of the master's program

** Any subject from other MSc programs of the University

*** Taking the Diploma project subject is only possible if the student accomplished 33 credits from the mutual Core Subjects, 12 credits from the subjects of their own Student Group and at least 51 credits as a sum of the above mentioned two types of subjects.

**** The listed numbers of the semesters present the suggested schedule according to the curriculum.

***** Midterm grade/ Exam

2023/24 2nd Semester		MSc Specialization in Structural Engineering Fall Semester				
		Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00	Structures II. BMEEOHSMT-1 EA	Seismic Design BMEEOHSMT-3 EA	Strengthening of Str. BMEEOHSMT63	EN1 Numerical Methods	EN1 Numerical Methods	*+Meth. of Eng. Analysis BMEEOHSMK51 EA, K.f12
9:15-10:00						
10:15-11:00	EN1 Structures II.	EN1 Seismic Design 10-11	EN1 Structures Project BMEEOHSMS5P			Prestressing Tech. BMEEOHSMT62, K.f12
11:15-12:00	Structural Dynamics BMEEOTMMN-1 EA		<i>EN2 Numerical Methods</i>			<i>EN1 Prestressing Tech.</i>
12:15-13:00						+EN1 Numerical Meth.
13:15-14:00	EN1 Structural Dynamics		Geodynamics BMEEOGMMS52 EA		Stability of Structures BMEEOHSMT-2 EA	+EN2 Numerical Meth.
14:15-15:00	Applied Fracture Mech. BMEEOHSMT61 EA	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA2	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1		EN1 Stability of Str. 14-15	Hung.Lang.and Cult. SH 2. BMEGT60Z9H2
15:15-16:00						
16:15-17:00	01 Appl. Fracture Mech. 16-17					
17:15-18:00	EN3 Numerical Methods					
18:00-19:00	16-19					

2023/24 2nd Semester		MSc Specialization in Numerical Modelling Fall Semester				
		Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00	Stability of Structures BMEEOHSMT-2 EA				EN1 Numerical Mod. Pr. BMEEOTMMS5P K.mf78	*+Meth. of Eng. Analysis BMEEOHSMK51 EA, K.f12
9:15-10:00					#EN1 Meth. of Eng. An.	
10:15-11:00	EN1 Stability of Structures 10-11		<i>EN2 Numerical Meth.</i>		An. of Rods&Frames BMEEOTMMN63	
11:15-12:00	Structural Dynamics BMEEOTMMN-1 EA	Nonlinear FEM BMEEOTMMN62 EA				+EN1 Numerical Meth.
12:15-13:00						+EN2 Numerical Meth.
13:15-14:00	EN1 Structural Dynamics		Geodynamics BMEEOGMMS52 EA K.389			
14:15-15:00		Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA2	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1		Plasticity BMEEOTMMN61 EA	Hung.Lang.and Cult. SH 2. BMEGT60Z9H2
15:15-16:00						
16:15-17:00	EN3 Numerical Methods				EN1 Plasticity	
17:15-18:00	16-19					
18:00-19:00						

2023/24 2nd Semester		MSc Specialization in Geotechnics and Geology Fall Semester				
		Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00	Eng. Geology MSc BMEEOGMMG-1 EA			Hydrogeology BMEEOGMMG62 EA	EN1 Numerical Methods	*+Meth. of Eng. Analysis BMEEOHSMK51 EA, K.f12
9:15-10:00						
10:15-11:00	EN1 Eng. Geology MSc			<i>EN2 Numerical Meth.</i>		+EN1 Numerical Meth.
11:15-12:00	Earthworks of Infrastr. BMEEOGMMG-4 EA					
12:15-13:00						
13:15-14:00	EN1 Earthw. of Infrastr.	Eng. Geology of HU BMEEOGMMG64 EA	Geodynamics BMEEOGMMS51 EA		EN1 Geotech. projekt BMEEOGMMS5P	
14:15-15:00	Tunneling BMEEOGMMG61 EA	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA2	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1		Geotechnical Design BMEEOGMMG-3 EA	Hung.Lang.and Cult. SH 2. BMEGT60Z9H2
15:15-16:00						
16:15-17:00	EN3 Numerical Methods				EN1 Geotech. Design	
17:15-18:00	16-19					

Core Subjects	Structural Engineering	Numerical Modelling	Geotechnics&Geology	Electiv
		Cross Semester		

2023/24 2nd Semester		MSc Specialization in Highway and Railway Engineering Power Plants Fall Semester				
Monday		Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Railway Station Des. BMEEOUVMU-2 EA	Int. Transp. Syst. BMEEOFTMF61 EA EN1 Intellig. Transp.Syst.	EN1 Database Systems	EN1 Numerical Methods	Pavement Structures BMEEOUVMU63 EA	
9:15-10:00						
10:15-11:00	01 Railway Station Des.	Transport economics BMEEOUVMU65 EA	EN2 Numerical Methods	Pavement Structures BMEEOUVMU63 EA	+EN1 Numerical Meth.	
11:15-12:00						
12:15-13:00	Dewatering BMEEOVKMI53 EA K.mf79	Infrastr. Manag. Syst. BMEEOUVMU-3 EA	EN2 Database Systems		+EN2 Numerical Meth.	
13:15-14:00						
14:15-15:00		Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA2	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1	Engin. works of infrastr. BMEEOHSMI51 EA	Hung.Lang.and Cult. SH 2. BMEGT60Z9H2	
15:15-16:00						
16:15-17:00						
17:15-18:00						
18-19						
19-20						

2023/24 2nd Semester		MSc Specialization in Water and Hydro-Environmental Engineering Fall Semester				
Monday		Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Groundwater BMEEOVVMV63 EA	Pub. water ut.Syst.Mod. BMEEOVKMV63 EA	EN1 Database Systems	EN1 Numerical Methods	Desg.of Water-Use Str. BMEEOVVMV61 EA K.371	
9:15-10:00				Hydrogr. & Hydroinf. BMEEOVVMV64 EA		
10:15-11:00	Water quality manag. BMEEOVKMV62 EA EN1 Water quality manag.	EN1 Pub. water ut.Syst.Mod. Water&wastw.Treat.plan. BMEEOVKMV61 EA	EN2 Numerical Methods	EN1 Hydrogr. & Hydroinf.	EN1 Desg.of W.Use Str. +EN1 Numerical Meth.	
11:15-12:00						
12:15-13:00	Dewatering BMEEOVKMI53 EA K.mf79	Water&wastw.Treat.plan. EN1	EN2 Database Systems	Hydromorphology BMEEOVVMV-2 EA	+EN2 Numerical Meth.	
13:15-14:00						
14:15-15:00		Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA2	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1	Engin. works of infrastr. BMEEOHSMI51 EA	Hung.Lang.and Cult. SH 2. BMEGT60Z9H2	
15:15-16:00						
16:15-17:00	EN3 Numerical Methods					
17:15-18:00	16-19					
18-19						
19-20						

2023/24 2nd Semester		MSc Specialization in Land Surveying and Geoinformatics Fall Semester				
Monday		Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	GNSS Theory & App. BMEEOAFMF-1 EA K.f27a	Intelligent Transp. Syst. BMEEOFTMF61 EA EN1 Intellig. Transp.Syst.		EN1 Numerical Methods		
9:15-10:00						
10:15-11:00	+EN1 GNSS Theory&App. K.f27a	EN1 ITS Geoinformatics K.142b	EN2 Numerical Methods	EN1 Automated Surveying K.f27c	+EN1 Numerical Meth.	
11:15-12:00						
12:15-13:00		Applied Geoinformatics BMEEOFTMF-2 EN1 Applied Geoinfor. K.142b		#Automated Surveying BMEEOAFMF-2 EA K.f27c	+EN2 Numerical Meth.	
13:15-14:00						
14:15-15:00		Mapping Techn. BMEEOFTMF-3 EN1 Mapping Techn. K.142b	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1		Hung.Lang.and Cult. SH 2. BMEGT60Z9H2	
15:15-16:00						
16:15-17:00	EN3 Numerical Methods					
17:15-18:00	16-19					
18-19						
19-20						

A mintaórárendben használt jelölések:

Core Subjects	Infrastructural Eng.	Highway and Railway Engineering
Land Surveying and Geoinformatics		Water and Hydro-Environmental Engineering

	Monday	Tuesd	Szerda	Csütörtök	Péntek
8:15-9:00				+C.E. Aut., Mod. BMEEOFTMB52	Con. Inf. Tech. Prog. BMEVIAUM051
9:15-10:00				# Con. Inf. Tech. Prog. BMEVIAUM051	
10:15-11:00			Electrical Systems in Buil. BMEVIVEM061	C.E. Aut., Mod. BMEEOFTMB51	Con. Inf. Tech. Prog. BMEVIAUM051
11:15-12:00					
12:15-13:00			BIM Modelling and D. BMEEOFTMB52	HVAC Basics BMEGEÉÉNÉ01	Complex Construction IT BMEEODHMB5K
13:15-14:00					
14:15-15:00					
15:15-16:00					
16:15-17:00					
17:15-18:00					