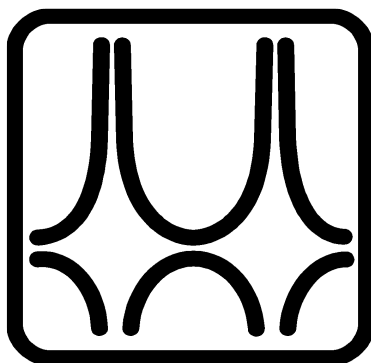




Budapest University of Technology and Economics

Timetable

**International full time students
Year 2024/25 - Spring Semester**



Faculty of Civil Engineering

BSc-MSc course year 2024/25 2nd semester calendar

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

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.	BMEEAFAT41	3	1	2				M	1	X								
Chemistry of Construction Materials	BMEEOMAT41	2	2					M	1	X								
Civil Engineering Representation and Drawing	BMEEOMAT42	4	2	2				M	1	X								
CAD for Civil Engineers	BMEEOTAT41	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.	BMEEAFAT42	4	2	2				E	2	X						EOAFAT41~		
Construction Materials I.	BMEEOMAT43	5	2	2	2			E	2	X						EOEMAT41		
Civil Engineering Informatics	BMEEOTAT42	5	2	2				M	2	X								
Building Construction Study	BMEEOMAT44	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	BMEEAFAT43	3					9	M	3		X					EOAFAT42!~		
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3		X					EOGMAT41	EOTMAT42	
Geoinformatics	BMEEOTAT43	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							
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	
Communication Skills for Civil Engineers	BMEGT60Z913	2	2					M	4			X						
Business Law	BMEGT55A001	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					M	7						X			
Optional subjects		4	4					M	7						X			
Branch Subjects																		
Building Construction I.	BMEEOMAS42	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.	BMEEOMAS41	3	1	2				E	5				X			EOEMAT43		
Building Construction II.	BMEEOMAS43	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	
Laboratory Practice of Testing of Structures and N	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		
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	BMEEAFAT42	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	EOHSAS42	
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	EOHSAS44
Building Construction Methodology	BMEEOMA-A1	2	1	1				E	7						X		EOEMAS43	
Engineering Works	BMEEOHSAS-B3	3	2					E	7						X		EOHSAS43	EOGMAS42
Structural Design Projectwork	BMEEOHSAS-PP	6			2			M	7						X	EOHSAS41	EOHSAS-A1	EOHSAS-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																		
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.

Mobility window is the 8. semester.

CIVIL ENGINEERING BSC FROM 2019 - SPECIALIZATION IN INFRASTRUCTURE ENGINEERING

Subject name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	W/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 TE90AX00~	
Hydraulics 1	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 1	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 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 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	
Communication Skills for Civil Engineers	BMEGT60Z913	2	2				M	4			X							
Business Law	BMEGT55A001	2	2				M	4			X							
Foundation Engineering	BMEEOGMAT45	4	3	0			E	5				X					EOGMAT43	
Management and Enterprise	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				M	7								X		
Elective subject		4	4				M	7									X	
Branch Subjects																		
Infrastructure CAD Course	BMEEOUVAI45	1					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				EOUVAT42	
Highway and Railway Design	BMEEOUVAI43	5	3	2			E	5						X			EOUVAT42	
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									EOVKAI43	
Hydrology 2	BMEEOVVAI41	3	2	1			M	5									EOVVAT41	
* Transportation Networks	BMEEOUVAI42	3	2				M	6									EOUVAT42	
* Highway and Railway Laboratory Practice	BMEEOUVAI44	1			3		M	6									EOUVAI41	
* Water Resources Management	BMEEOVVAI43	3	2				E	6									EOVVAT43	
Hydraulic Engineering Field Course	BMEEOVVAI44	2				6	M	6									EOVVAI41 EOVVAI42!~	
Infrastructure Study Project	BMEEODHAI41	6				2	M	6									EOVVAT43 EOUVAI43 EOVKAI41	
Public Administration and Land Registry	BMEEOUVAT44	3	2				M	7									X	
Earthworks and Drainage of Transportation Infrastructures	BMEEOGMAI41	3	3				E	7									EOGMAT43	
Technical Internship	BMEEODHAI42	0				20	S	7									X	
Proposed Optional Branch Subjects																		
* Building Construction I.	BMEEOEMAS42	3	1	2			E	4										EOEMAT44
* Timber Structures	BMEEOHSAS44	3	2				M	4										EOTMAT42 EOEMAT43
* Construction Materials II.	BMEEOEMAS41	3	1	2			E	5										EOEMAT43
* Bridges and Infrastructures	BMEEOHSAS43	3	2				E	5										EOHSAT42 EOHSAT43
* Rock Mechanics	BMEEOGMAS41	3	1	1			M	6										EOGMAT41
* Underground Structures, Deep Found.	BMEEOGMAS42	3	2	1			M	6										EOGMAT45
Specialization in Infrastructure Engineering																		
Road Design	BMEEOUVA-E1	3	4	2			E	7										X
Water Damage Prevention and Water Use	BMEEOVVA-F1	5	4				E	6										X
Drinking Water and Wastewater Treatment	BMEEOVKA-H1	4	3				E	6										X
** Railway Design	BMEEOUVA-E2	3	2	2			E	7										X
** River Basin Management	BMEEOVVA-F2	3	2				E	7										X
** Environmental Impact Assessment	BMEEOVKA-H3	3	3				E	7										X
** Transport Infrastructure Design Project	BMEEOUVA-QP	6				2	M	7										X
** Hydraulic Engineering Design Project	BMEEOVVA-QP	6				2	M	7										X
** Urban Water Infrastructure Design Project	BMEEOVKA-QP	6				2	M	7										X
Diploma Project	BMEEODHA-QD	24					M	8										X
Total number of credits		240																
Total number of classes		184																
Number of exams		25																
Proposed Elective Subjects																		
Field Course of Structural Geodesy	BMEEOAFAS42	1			2		M	7										X
Satellite Positioning	BMEEOAFAG45	3	2				E	5										X
The Digital Earth	BMEEOFTAG41	3	2	1			M	5										X
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.

Mobility window is the 8. 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			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	EN1 Civil Eng. Representation			
10:15-12:00		Hydraulics I. K.f10	Constr. Materials I. K.f88		Surveying II. K.f88	#Building Con. St.
	EN1 Basis of Stat.&Dyn.					
12:15-14:00	EN1 Intr.to Str. of M.	Civil Eng. Representation	+EN1 Intr. to Str. K.mf78		CE Informatics K.f88	EN3 CE Informatics K.142a
	EN2 Intr.to Str. of M.		#EN2 Intr. to Str. K.mf78			
		EN1 Basis of Stat.&Dyn.	#EN2 Hydraulics I. K.371 +EN1 Hydraulics I. K.371			#EN1 Basis of Stat.&Dyn.
14:15-16:00	EN1 CE Informatics	EN1 Intr. to Str. of M. K.373 EN2 Intr. to Str. of M. K.mf78	EN1 B. Const. Study K.183 EN2 CE Informatics K.142a		EN3/EN4 Surveying II.	Hung.Lang.and Cult. SH 2. BMEGT60Z9H2
16:15-18:00	Mathematics A2a		EN1 Mathem. A2a EN2 Mathem. A2a		Mathematics A2a	
Surveying Field Course		EN1 2025. 06. XX-XX	EN2 2025. 06. XX-XX			

		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
	Business Law K.f88	#Building Constr.I.	+EN1 Hydr. Eng. & Water Man K.f10		Steel Structures	Hydraulics 2 K.f88
10:15-12:00	+ Hydrology I # Hydrology I	+Building Constr.II.	+EN2 Hydr. Eng. & Water Man K.f10			
	+ 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 Infrastr. CAD Course	+EN1 Earthworks #EN2 Earthworks #EN1 Public Works		Water Chem. & Hydrob. EA K.mf31	Water Chem. & Hydrob. EN1 laboratory
	EN1 Building Const.II. K.144 Railway Tracks K.373 14:15-17:00	EN2 Infrastr. CAD Course 16-18	+EN1 Hydrology I. Comm. Skills for CE K.376		Strength of Materials K.389	14-18 2 * 4 hours laboratory
16:15-18:00	Basics of Env. Eng. K.mf31	Mathematics A3 16-18	Public Works I. K.mf31		Structural Analysis I. K.372	
18:15-19:00		Mathematics A3 18-20				

		BSc Branch of Structural Engineering 3rd year				students
		Monday	Tuesday	Wednesday	Thursday	Friday
8:15-10:00	Engineering Works	Reinf. Concr. Buildings		Micro&Macroeconomics	+Reinf. Concr. Buildings EL111	Friday Underground Str. BMEEOGMAS42
		Water Resources Management BMEEOVVA43			#EN1 Reinf. Concr. Build. EL111	Highway&Railway Lab. Pr. BMEEOUVA44
10:15-12:00		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	#EN1 Steel Buildings EL111	Highway&Railway Lab. Pr. 9-12
12:15-14:00	Steel and Composite Str. Drinking Wat.&Waste. Treat. BMEEOVKA-H1 12-15	Steel Buildings BMEEOHSA-A1 Transportation Networks BMEEOUVA42		Constr. Management K.f88 #Foundation Engineering	Micro&Macroeconomics K.389	Water Util., Mater Dam.Prev. BMEEOVVA-F1
	*Steel and Comp.Str. 14-15	+ Rock Mechanics #EN1/2 Rock Mechanics		Comm. Skills for CE K.376	+EN1 Constr. Management K.389	
14:15-16:00	Infrastructure Study Project BMEEODHA41	Water Util., Mater Dam.Prev. BMEEOVVA-F1			#EN2 Rock Mechanics K.136	
16:15-18:00					Hydraulic Engineering FC BMEEOVVA44 17-20	
Civil Engineering		Structural Engineering	Infrastructural Engineering	Bsc elective	Cross semesters	

Preliminary Program in Civil Engineering (MSc)

1-year Pre-MSc in fall semester								
<i>Subject</i>	<i>Neptun code</i>	<i>Credit</i>	<i>Lecture</i>	<i>Seminar</i>	<i>Laboratory</i>	<i>Consultation</i>	<i>M/E</i>	<i>Semester</i>
Foundation Engineering	BMEEOGMAT45	4	3				E	1
Steel and Composite Structures	BMEEOHSAS47	4	3				M	1
Laboratory Practice of Testing of Str. & Mat.	BMEEOHSAS46	2			4		M	1
RC and Masonry Structures	BMEEOHSAS42	4	2	1			M	1
Engineering Works	BMEEOHSAS-B3	3	2				E	1
Structural Analysis II.	BMEEOTMAS42	4	3	1			M	1
Bridges and Infrastructures	BMEEOHSAS43	3	2				E	1
Design of Structures Projectwork	BMEEODHAS41	6				2	M	1

1-year Pre-MSc in spring semester								
<i>Subject</i>	<i>Neptun code</i>	<i>Credit</i>	<i>Lecture</i>	<i>Seminar</i>	<i>Laboratory</i>	<i>Consultation</i>	<i>M/E</i>	<i>Semester</i>
Rock Mechanics	BMEEOGMAS41	3	1	1			M	2
Underground Structures, Deep Found.	BMEEOGMAS42	3	2	1			M	2
3D Constructional Modelling of Structures	BMEEOHSAS45	3		2			M	2
Steel Buildings	BMEEOHSAS-A1	5	3	1			E	2
Reinforced Concrete Buildings	BMEEOHSAS-A2	5	3	1			E	2
Timber Structures	BMEEOHSAS44	3	2				M	2
Structural Design Projectwork	BMEEOHSAS-PP	6				2	M	2

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	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		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

Mobility window is the 3. semester.

		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

Mobility window is the 3. semester.

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

Mobility window is the 3. semester.

MSC in Construction Information Technology Engineering

English Name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	F/V/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	BMEVIAUM052	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)	BMEEODHMV02	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

Mobility window is the 3. 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 Strengthening of Str	EN1 Numerical Methods	*+Meth. of Eng. Analysis BMEEOHSMT61 EA, K.f12 #EN1 Meth. of Eng. An.
9:15-10:00					
10:15-11:00	EN1 Structures II.	EN1 Seismic Design 10-11	EN1 Structures Project BMEEOHSMT5P		Prestressing Tech. BMEEOHSMT62, K.f12
11:15-12:00	Structural Dynamics BMEEOTMMN-1 EA		EN2 Numerical Methods		EN1 Prestressing Tech.
12:15-13:00			Geodynamics BMEEOGMMS52 EA	Stability of Structures BMEEOHSMT-2 EA	+EN1 Numerical Meth.
13:15-14:00	EN1 Structural Dynamics				+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				

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 BMEEOHSMT61 EA, K.f12 #EN1 Meth. of Eng. An.
9:15-10:00				EN1 Stability of Structures 10-11	
10:15-11:00				EN1 An.of Rods&Frames	
11:15-12:00	Structural Dynamics BMEEOTMMN-1 EA	Nonlinear FEM BMEEOTMMN62 EA	Geodynamics BMEEOGMMS52 EA K.389		+EN1 Numerical Meth.
12:15-13:00					
13:15-14:00	EN1 Structural Dynamics				
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				
17:15-18:00	16-19				
18:00-19:00					

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 BMEEOHSMT61 EA, K.f12 #EN1 Meth. of Eng. An.
9:15-10:00					
10:15-11:00					
11:15-12:00	Earthworks of Infratr. BMEEOGMMG-4 EA	Eng. Geology of HU BMEEOGMMG64 EA	Geodynamics BMEEOGMMS51 EA	EN1 Geotech. projekt BMEEOGMMS5P	+EN2 Numerical Meth.
12:15-13:00					
13:15-14:00	EN1 Earthw. of Infratr.				
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				
17:15-18:00	16-19				

Core Subjects	Structural Engineering	Numerical Modelling	Geotechnics&Geology	Elective
		Cross 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 Database Systems	EN1 Numerical Methods	Pavement Structures BMEEOUVMU63 EA
9:15-10:00		EN1 Intellig. Transp.Syst.			
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 Numerical Meth.
13:15-14:00					
14:15-15:00				Engin. works of infrastr. BMEEOHSMI51 EA	Hung.Lang.and Cult. SH 2. BMEGT60Z9H2
15:15-16:00		Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA2	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1		
16:15-17:00					
17:15-18:00					

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.	EN2 Numerical Methods	EN1 Hydrogr. & Hydroinf.	EN1 Desg.of W.Use Str.
11:15-12:00		Water&wastw.Treat.plan. BMEEOVKMV61 EA			+EN1 Numerical Meth.
12:15-13:00	Dewatering BMEEOVKMI53 EA K.mf79	Water&wastw.Treat.plan. EN1		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					

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		EN1 Numerical Methods	
9:15-10:00		EN1 Intellig. Transp.Syst.			
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		#Automated Surveying BMEEOAFMF-2 EA K.f27c	+EN2 Numerical Meth.
13:15-14:00		EN1 Applied Geoinfor. K.142b			
14:15-15:00		Mapping Techn. BMEEOFTMF-3	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	EN1 Mapping Techn. K.142b			
17:15-18:00	16-19				
18-19					

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

MSc program in Construction Information Technology Engineering

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00				+C.E. Aut., Mod. BMEEOFTMB52	Con. Inf. Tech. Prog. BMEVIAUM052
9:15-10:00				# Con. Inf. Tech. Prog. BMEVIAUM052	
10:15-11:00			Electrical Systems in Buil. BMEVIVEM061	C.E. Aut., Mod. BMEEOFTMB51	Con. Inf. Tech. Prog. BMEVIAUM052
11:15-12:00					
12:15-13:00			BIM Modelling and D. BMEEOFTMB52	HVAC Basics BMEGEÉENÉ01	Complex Construction IT BMEEODHMB5K
13:15-14:00					
14:15-15:00					
15:15-16:00					
16:15-17:00					
17:15-18:00					