



**Budapest University of Technology and Economics**

# Timetable

**International full time students  
Year 2025/26 - Spring Semester**



**Faculty of Civil Engineering**

### BSc-MSc course year 2025/26 2nd semester calendar

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

The last examination day of the subjects taught by the Faculty of Civil Engineering in the BSc program is 10th 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	
<b>Core subjects</b>																		
English for Civil Engineering 1.	BMEGT60Z911	4		4				M	1	X								
Surveying I.	BMEEOFAT41	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 II.	BMEEOFAT42	4	2	2				E	2		X						EOAFAT41~	
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	BMEEOFAT43	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					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		
<b>Branch Subjects</b>																		
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
Laboratory Practice of Testing of Structures and	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	BMEEOFAS42	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
<b>Specialization in Structural Engineering</b>																		
Steel Buildings	BMEEOHSAS41	5	3	1				E	6						X		EOHSAS47	
Reinforced Concrete Buildings	BMEEOHSAS42	5	3	1				E	6						X		EOHSAS42	EOHSAS44
Building Construction Methodology	BMEEOEMA-A1	2	1	1				E	7							X	EOEMAS43	
Engineering Works	BMEEOHSAS-B3	3	2					E	7							X	EOHSAT43	EOHSAS43 EOGMAS42
Structural Design Projectwork	BMEEOHSAS-PP	6				2		M	7							X	EODHAS41	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!
<b>Total number of credits</b>		240									32	36	33	27	32	32	25	24
<b>Total number of classes</b>		184									31	33	28	25	28	22	16	0
<b>Number of exams</b>		23									3	4	4	4	4	3	1	0
<b>Recommended Optional Subjects</b>																		
Fire resistance	BMEEOEMAV44	2	2					M					X		X		X	EOEMAT43
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							-

Crass 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	M/E/S	Semester	semesters								Preliminary requirement(s)					
										1	2	3	4	5	6	7	8						
<b>Core subjects</b>																							
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					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						
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				EOEMAT43~						
Hydraulic Engineering, Water Manag.	BMEEOVVAT43	3	2	1				E	4				X				EOVAT41						
Communication Skills for Civil Engineers	BMEGT60Z913	2	2					M	4				X				EOVVAT42						
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						
Urban and Regional Development	BMEEOUVAT43	3	2					M	7							X	EOGMAT42						
Elective subject		4	4					M	7							X							
<b>Branch Subjects</b>																							
Infrastructure CAD Course	BMEEOUVAI45	1			2			M	4					X			EOUAT41						
Water Chemistry and Hydrobiology	BMEEOVKAI43	3	2		1			E	4				X				EOFTAT41						
* Legal Aspects of Water and Environment	BMEEOVKA45	2	2					M	4				X										
Hydraulics 2	BMEEOVVAI42	3	2	1				E	4				X				EOUAT41						
Highway and Railway Structures	BMEEOUVAI41	5	4					E	5				X				EOVVAT42						
Highway and Railway Design	BMEEOUVAI43	5	3	2				E	5				X				EOUAT42						
Public Works 2	BMEEOVKAI41	5	2	2				E	5				X				EOVAT41						
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				EOVVAT41						
* Transportation Networks	BMEEOUVAI42	3	2					M	6					X			EOUAT42						
* Highway and Railway Laboratory Practice	BMEEOUVAI44	1			3			M	6					X			EOUVAI41						
* Water Resources Management	BMEEOVVAI43	3	2					E	6					X			EOVVAT43						
Hydraulic Engineering Field Course	BMEEOVVAI44	2					6	M	6					X			EOVVAI41						
Infrastructure Study Project	BMEEOVVAI41	6				2		M	6					X			EOVVAT43						
Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7						X		EOUVAI42~						
Earthworks and Drainage of Transportation Infrastructures	BMEEOGMAI41	3	3					E	7						X		EOGMAT43						
Technical Internship	BMEEOVVAI42	0					20	S	7							X	EOUVAI43						
<b>Proposed Optional Branch Subjects</b>																							
* Building Construction I.	BMEEOEMAS42	3	1	2				E	4					X			EOEMAT44						
* Timber Structures	BMEEOHSAS44	3	2					M	4					X			EOTMAT42						
* Construction Materials II.	BMEEOEMAS41	3	1		2			E	5				X				EOEMAT43						
* Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5					X			EOHSAT42						
* Rock Mechanics	BMEEOGMA41	3	1	1				M	6						X		EOGMAT41						
* Underground Structures, Deep Found.	BMEEOGMA42	3	2	1				M	6						X		EOGMAT45						
<b>Specialization in Infrastructure Engineering</b>																							
Road Design	BMEEOUVA-E1	3	2					E	7						X		EOUVAI43						
Water Damage Prevention and Water Use	BMEEOVVA-F1	5	4					E	6					X			EOVVAT43						
Drinking Water and Wastewater Treatment	BMEEOVKA-H1	4	3					E	6					X			EOVKAI44						
** Railway Design	BMEEOUVA-E2	3	2					E	7						X		EOUVAI43						
** River Basin Management	BMEEOVVA-F2	3	2					E	7						X		EOVVAI42						
** Environmental Impact Assessment	BMEEOVKA-H3	3	3					E	7						X		EOVKAI43						
** Transport Infrastructure Design Project	BMEEOUVA-QP	6				2		M	7						X		EOUVAI44						
** Hydraulic Engineering Design Project	BMEEOVVA-QP	6				2		M	7						X		EOVVAI44						
** Urban Water Infrastructure Design Project	BMEEOVKA-QP	6				2		M	7						X		EOUVAI44						
Diploma Project	BMEEOVVA-QD	24						M	8							X	*EOUVA-QP						
<b>Total number of credits</b>													240										
<b>Total number of classes</b>													184										
<b>Number of exams</b>													25										
<b>Proposed Elective Subjects</b>																							
Field Course of Structural Geodesy	BMEEOAFAS42	1			2			M	7							X	EOAFAT43!						
Satellite Positioning	BMEEOAFAG45	3	2					E	5					X			EOAFAT43						
The Digital Earth	BMEEOFTAG41	3	2	1				M	5					X			EOFTAT43						
Fire resistance	BMEEOEMAV44	2	2					M							X		EOEMAT43						
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.

**CIVIL ENGINEERING BSC FROM 2025**

<b>Specialization in Structural Engineering</b>										
<b>Core subjects</b>										
<b>Subject Name</b>	<b>Code</b>	<b>Cr.</b>	<b>LE</b>	<b>SE</b>	<b>LA</b>	<b>S/M/E</b>	<b>Sem.</b>	<b>Preliminary Req. I</b>	<b>Preliminary Req. II</b>	<b>Preliminary Req. III</b>
Mathematics Support Course	BMETEMIBsMMAT0-00	3		2		M	1			
Mathematics A1	BMETEMIBsMMAT1-00	6	4	1		E	1			
Statics Support Course	BMEEOTMBSFC001-00	3		2		M	1			
Statics	BMEEOTMBSFC002-00	5	1	4		E	1			
Civil Engineering Representation and Drawing	BMEEOEMBSFC001-00	3		2		M	1			
Geology	BMEEOGMBSFC001-00	3	1			2 E	1			
Surveying I.	BMEEOAFBSFC001-00	4	1			2 E	1			
Programming Basics	BMEEOFTBSFC001-00	3				2 M	1			
Civil Engineering Orientation	BMEEODHBSFC001-00	0	1	1		S	1			
Mathematics A2	BMETEMIBsMMAT2-00	6	4	1		E	2	F ~TEMIBsMMAT1-00		
Strength of Materials	BMEEOTMBSFC003-00	5	1	3		E	2	A ~EOTMBSFC002-00	F ~EOTMBSFC001-00	
Environmental Protection	BMEEOVKBSFC001-00	4	2	1		M	2			
Building Constructions I.	BMEEOEMBSFC002-00	5	2	1		2 M	2	F ~EOEMBSFC001-00		
Soil Mechanics	BMEEOGMBSFC002-00	4	2	2		E	2	F ~EOTMBSFC002-00	F ~EOGMBsFC001-00	
Surveying II.	BMEEOAFBSFC002-00	4	1			2 E	2	A ~EOAFBSFC001-00		
Surveying Field Course	BMEEOAFBSFC003-00	2			48 f	M	2	P ~EOAFBSFC002-00		
PE 1		0				S	2			
Mathematics A3	BMETEMIBsMMAT3-00	3	1	2		M	3			
<b>Civil Engineering Mechanics</b>	<b>BMEEOTMBSFC004-00</b>	<b>3</b>	<b>2</b>			<b>M</b>	<b>3</b>	<b>F ~EOTMBSFC002-00</b>	<b>A ~EOTMBSFC003-00</b>	
Basis of Design	BMEEOHSBSFC001-00	3	2			M	3	F ~EOTMBSFC002-00		
Earthworks	BMEEOGMBSFC003-00	3	1	1		E	3	A ~EOGMBsFC002-00		
Construction Materials and Civil Engineering Chemistry	BMEEOEMBSFC003-00	6	3			2 E	3	A ~EOTMBSFC002-00		
Roads	BMEEOUVBSFC001-00	4	2	1		E	3			
Hydraulics	BMEEOVVBSFC001-00	3	1	1		E	3			
AEC Digitalization	BMEEOFTBSFC002-00	5	2			1 M	3	F ~EOFTBSFC001-00		
PE 2		0				S	3			
Role of Civil Engineers in Sustainability	BMEEOEMBSFC004-00	3	2			M	4	F ~EOVKBsFC001-00		
<b>Steel Structures I.</b>	<b>BMEEOHSBSFC002-00</b>	<b>3</b>	<b>2</b>	<b>1</b>		<b>M</b>	<b>4</b>	<b>F ~EOTMBSFC003-00</b>	<b>A ~EOTMBSFC004-00</b>	<b>F ~EOHSBsFC001-00</b>
<b>Reinforced Concrete Structures I.</b>	<b>BMEEOHSBSFC003-00</b>	<b>3</b>	<b>2</b>	<b>1</b>		<b>M</b>	<b>4</b>	<b>F ~EOTMBSFC003-00</b>	<b>A ~EOTMBSFC004-00</b>	<b>F ~EOHSBsFC001-00</b>
Public Works	BMEEOVKBSFC002-00	3	2			E	4			
Railway Tracks	BMEEOUVBSFC002-00	4	2	1		E	4			
Construction Management I.	BMEEPEKBSXKIV1-00	4	2	1		M	4	F ~EOEMBSFC002-00	F ~EOGMBsFC002-00	
Basics of Hydraulic Engineering	BMEEOVVBSFC002-00	6	2	2		E	4			
Foundation Engineering	BMEEOGMBSFC004-00	4	1	2		E	4	F ~EOGMBsFC002-00	A ~EOGMBsFC003-00	A ~EOTMBSFC003-00
<b>Economic &amp; Human Subjects</b>										
Economic & Human Subjects 01		3					5			
Economic & Human Subjects 02		3					6			
Economic & Human Subjects 03		5					7			
Economic & Human Subjects 04		3					8			
<b>English courses</b>										
English for Civil Engineering 1.	BMEGT60LNGKA03-00	4					1			
English for Civil Engineering 2.	BMEGT60LNGKA04-00	4					2			
Elective subject		4					7			
<b>Specialization in Structural Engineering</b>										
<b>Subject Name</b>	<b>Code</b>	<b>Cr.</b>	<b>LE</b>	<b>SE</b>	<b>LA</b>	<b>S/M/E</b>	<b>Sem.</b>	<b>Preliminary Req. I</b>	<b>Preliminary Req. II</b>	<b>Preliminary Req. III</b>
Reinforced Concrete Structures II.	BMEEOHSBSFS001-00	4	2	1		M	5	F ~EOHSBsFC003-00	F ~EOEMBSFC002-00	
Steel Structures II.	BMEEOHSBSFS002-00	4	3			M	5	F ~EOHSBsFC002-00		
Bridges and Infrastructures	BMEEOHSBSFS003-00	4	2	1		E	5	F ~EOHSBsFC002-00	F ~EOHSBsFC003-00	
Building Constructions II.	BMEEOEMBSFS001-00	6	2	2	1	E	5	F ~EOEMBSFC002-00		
Analysis Methods of Structures	BMEEOTMBSFS001-00	6	2	2		E	5	F ~EOTMBSFC003-00	P ~EOTMBSFC004-00	
Timber and Masonry Structures	BMEEOHSBSFS004-00	3	2			M	5	F ~EOTMBSFC003-00	F ~EOHSBsFC001-00	
Construction Materials II.	BMEEOEMBSFS002-00	3	1			2 E	6	F ~EOEMBSFC003-00		
Underground Structures, Deep Found.	BMEEOGMBSFS001-00	4	2	1		M	6	A ~EOGMBsFC004-00	F ~EOGMBsFC003-00	
Building Constructions III.	BMEEOEMBSFS003-00	3	1	1		E	6	F ~EOEMBSFS001-00		
Steel Buildings	BMEEOHSBSFS005-00	6	3	1		E	6	F ~EOHSBsFS002-00		
Reinforced Concrete Buildings	BMEEOHSBSFS006-00	6	3	1		E	6	F ~EOHSBsFS001-00	F ~EOHSBsFS004-00	
Structural Design Project work	BMEEOHSBSFS009-00	4	2			M	6	F ~EOHSBsFS004-00	F ~EOHSBsFS001-00	F ~EOGMBsFC004-00
Laboratory Practice of Testing of Structures and Mater	BMEEOHSBSFS011-00	3			2	M	7	F ~EOHSBsFC002-00	F ~EOHSBsFC003-00	
Construction Management II.	BMEEOEMBSFS004-00	5	1	2		E	7	F ~EPEKBSXKIV1-00		
Internship	BMEEOHSBSFS010-00	0				S	7	F ~EPEKBSXKIV1-00	F ~EOHSBsFS001-01	F ~EOHSBsFS002-01
Structural Design and Technology	BMEEOHSBSFS012-00	6	3	1		M	7	F ~EOHSBsFS002-00	F ~EOHSBsFS001-00	
Compulsory Elective 1		3					7			
Project Work	BMEEOHSBSFS013-00	6		2		M	7	150 credits in core and specialisation subjects		
Compulsory Elective 2		3					8			
Bachelor Thesis	BMEEOHSBSFS014-00	15		1		M	8	According to Dean's Order		
<b>Compulsory Elective Subjects of the Specialization in Structural Engineering</b>										
<b>Subject Name</b>	<b>Code</b>	<b>Cr.</b>	<b>LE</b>	<b>SE</b>	<b>LA</b>	<b>S/M/E</b>	<b>Sem.</b>	<b>Preliminary Req. I</b>	<b>Preliminary Req. II</b>	<b>Preliminary Req. III</b>
Concrete Technology	BMEEOEMBSFS005-00	3	2			E		F ~EOEMBSFC003-00		
Point Cloud Technologies	BMEEOFTBSFS001-00	3	1		1	M				
Geoinformatics	BMEEOFTBSFS003-00	3	1		1	M				
Rock Mechanics	BMEEOGMBSFS004-00	3	1		1	M				
Engineering Geology	BMEEOGMBSFS008-00	3	1	1		E		F ~EOEMBSFC003-00		
Surveying Application in Civil Engineering	BMEEOAFBSFS016-00	3			2	M				
Fire Resistance	BMEEOEMBSFS015-00	3		2		M		F ~EOEMBSFC003-00		

Economic & Human Subjects										
Subject Name	Code	Cr.	LE	SE	LA	S/M/E	Sem.	Preliminary Req. I	Preliminary Req. II	Preliminary Req. III
Transversal skills development subjects - Career support										
Argumentation and Logic	BMEGT41BX4K000-00	3	2			M				
Communication Skills	BMEGT43BX4K000-00	3		2		M				
Making a Presentation	BMEGT51BX4K001-00	3		3		M				
Psychology of Becoming a Leader	BMEGT52BX4K000-00	3	2			M				
Workplace Success and Intrapersonal Skills	BMEGT52BX4K002-00	3		2		M				
Transversal skill development subjects - Social integration										
Ethical Decision and Action	BMEGT41BX4T001-00	3	2			M				
Social Challenges of Climate Change	BMEGT42BX4T000-00	3	2			M				
Law in the Economy	BMEGT55BX4T000-00	3	2			M				
Legal Basics	BMEGT55BX4T002-00	3	3			M				
Create Smart! - IP Basics in Practice	BMEGT55BX4T004-00	3	2			M				
Transversal skill development subjects - Business subject group										
Introduction to Management Decisions	BMEGT20BX4U000-00	3	1	1		M				
Economic Analysis of Technology	BMEGT30BX4U000-00	3	2			M				
Finance	BMEGT35BX4U000-00	3	2			M				
Accounting	BMEGT35BX4U001-00	3	2			M				
Economics of Sustainable Development	BMEGT42BX4U000-00	3	2			M				
Circular Economy	BMEGT42BX4U001-00	3	2			M				

These are the courses that must be completed in advance (marked in green) in order to enter the specialisation, with an average grade of 3.0.

- BMEEOTMBSFC004-01
- BMEEOHSBFC002-01
- BMEEOHSBFC003-01

The course 'Strength of Materials' (BMEEOTMBSFC003-00) must be completed with a grade of at least 3.

Mobility window semesters: 5th and 8th semesters. In the case of mobility, a preliminary credit recognition procedure must be initiated at the KKB.

Prerequisites: A: weak prerequisite; F: strong prerequisite; P: parallel prerequisite

**CIVIL ENGINEERING BSC FROM 2025**

<b>Specialization in Infrastructure Engineering</b>										
<b>Core subjects</b>										
<b>Subject Name</b>	<b>Code</b>	<b>Cr.</b>	<b>LE</b>	<b>SE</b>	<b>LA</b>	<b>S/M/E</b>	<b>Sem.</b>	<b>Preliminary Req. I</b>	<b>Preliminary Req. II</b>	<b>Preliminary Req. III</b>
Mathematics Support Course	BMETEMIBsMMAT0-00	3		2		M	1			
Mathematics A1	BMETEMIBsMMAT1-00	6	4	1		E	1			
Statics Support Course	BMEEOTMBsFC001-00	3		2		M	1			
Statics	BMEEOTMBsFC002-00	5	1	4		E	1			
Civil Engineering Representation and Drawing	BMEEOEMBsFC001-00	3		2		M	1			
Geology	BMEEOGMBsFC001-00	3	1		2	E	1			
Surveying I.	BMEEOAFBsFC001-00	4	1		2	E	1			
Programming Basics	BMEEOFTBsFC001-00	3			2	M	1			
Civil Engineering Orientation	BMEEODHBsFC001-00	0	1	1		S	1			
Mathematics A2	BMETEMIBsMMAT2-00	6	4	1		E	2	F~TEMIBsMMAT1-00		
Strength of Materials	BMEEOTMBsFC003-00	5	1	3		E	2	A~EOTMBsFC002-00	F~EOTMBsFC001-00	
Environmental Protection	BMEEOVKBsFC001-00	4	2	1		M	2			
Building Constructions I.	BMEEOEMBsFC002-00	5	2	1	2	M	2	F~EOEMBsFC001-00		
Soil Mechanics	BMEEOGMBsFC002-00	4	2	2		E	2	F~EOTMBsFC002-00	F~EOGMBsFC001-00	
Surveying II.	BMEEOAFBsFC002-00	4	1		2	E	2	A~EOAFBsFC001-00		
Surveying Field Course	BMEEOAFBsFC003-00	2			48 f	M	2	P~EOAFBsFC002-00		
PE 1		0				S	2			
Mathematics A3	BMETEMIBsMMAT3-00	3	1	2		M	3			
Civil Engineering Mechanics	BMEEOTMBsFC004-00	3	2			M	3	F~EOTMBsFC002-00	A~EOTMBsFC003-00	
Basis of Design	BMEEOHSBsFC001-00	3	2			M	3	F~EOTMBsFC002-00		
Earthworks	BMEEOGMBsFC003-00	3	1	1		E	3	A~EOGMBsFC002-00		
Construction Materials and Civil Engineering Chemistry	BMEEOEMBsFC003-00	6	3		2	E	3	A~EOTMBsFC002-00		
Roads	BMEEOUVBsFC001-00	4	2	1		E	3			
Hydraulics	BMEEOVVBsFC001-00	3	1	1		E	3			
AEC Digitalization	BMEEOFTBsFC002-00	5	2		1	M	3	F~EOFTBsFC001-00		
PE 2		0				S	3			
Role of Civil Engineers in Sustainability	BMEEOEMBsFC004-00	3	2			M	4	F~EOVBsFC001-00		
Steel Structures I.	BMEEOHSBsFC002-00	3	2	1		M	4	F~EOTMBsFC003-00	A~EOTMBsFC004-00	F~EOHSBsFC001-00
Reinforced Concrete Structures I.	BMEEOHSBsFC003-00	3	2	1		M	4	F~EOTMBsFC003-00	A~EOTMBsFC004-00	F~EOHSBsFC001-00
Public Works	BMEEOVKBsFC002-00	3	2			E	4			
Railway Tracks	BMEEOUVBsFC002-00	4	2	1		E	4			
Construction Management I.	BMEEPEKsXXIV1-00	4	2	1		M	4	F~EOEMBsFC002-00	F~EOGMBsFC002-00	
Basics of Hydraulic Engineering	BMEEOVVBsFC002-00	6	2	2		E	4			
Foundation Engineering	BMEEOGMBsFC004-00	4	1	2		E	4	F~EOGMBsFC002-00	A~EOGMBsFC003-00	A~EOTMBsFC003-00
<b>Economic &amp; Human Subjects</b>										
Economic & Human Subjects 01		3					5			
Economic & Human Subjects 02		3					6			
Economic & Human Subjects 03		5					7			
Economic & Human Subjects 04		3					8			
<b>English courses</b>										
English for Civil Engineering 1.	BMEGT60LNGKA03-00	4					1			
English for Civil Engineering 2.	BMEGT60LNGKA04-00	4					2			
Elective subject		4					7			
<b>Specialization in Infrastructure Engineering</b>										
<b>Subject Name</b>	<b>Code</b>	<b>Cr.</b>	<b>LE</b>	<b>SE</b>	<b>LA</b>	<b>S/M/E</b>	<b>Sem.</b>	<b>Preliminary Req. I</b>	<b>Preliminary Req. II</b>	<b>Preliminary Req. III</b>
Pavement Structures of Roads	BMEEOUVBsFS018-00	3	2			E	5	F~EOUVBsFC001-00		
Railway Track Superstructure	BMEEOUVBsFS019-00	3	2			M	5	F~EOUVBsFC002-00		
Hydrology	BMEEOVVBsFS002-00	6	2	2		E	5	F~EOVBsFC002-00		
Public Works Design and Operation	BMEEOVKBsFS003-00	6	3	1		E	5	F~EOVBsFC002-00		
Basics of Environmental Modeling	BMEEOVKBsFS002-00	3	1	1		M	5	F~EOVBsFC001-00		
Water Quality Management	BMEEOVKBsFS005-00	3	2	1		M	5	F~EOVBsFC001-00		
Compulsory Elective 1		3					5			
Urban Transport and Development	BMEEOUVBsFS020-00	4	2			E	6	F~EOUVBsFC001-00		
Urban Rail Transit Systems	BMEEOUVBsFS021-00	5	2	1		E	6	F~EOUVBsFC002-00	F~EOUVBsFS019-00	
Drinking Water and Wastewater Treatment	BMEEOVKBsFS006-00	6	3	1		E	6	P~EOVBsFS005-00		
Hydraulic Design	BMEEOVVBsFS001-00	6	2	2		E	6	F~EOVBsFC001-00		
Hydrometric Field Course	BMEEOVVBsFS006-00	2			24f	M	6	F~EOVBsFC002-00		
Compulsory Elective 2		3					6			
Design of Railroads	BMEEOUVBsFS022-00	3	2			E	7	F~EOUVBsFC002-00		
Highway Design	BMEEOUVBsFS023-00	3	2			E	7	F~EOUVBsFC001-00		
River and Lake Management	BMEEOVVBsFS008-00	5	1	2		M	7	F~EOVBsFS001-00		
Nature-based Solutions in Water Management	BMEEOVKBsFS007-00	6	2	2		E	7	F~EOVBsFS002-00	F~EOVBsFS002-00	
Internship <sup>a</sup>	BMEEOVVBsFS007-00	0				S	7	F~EPEKsXXIV1-00	F~EOVBsFS001-00	F~EOVBsFS003-00
Internship <sup>b</sup>	BMEEOUVBsFS024-00	0				S	7	F~EPEKsXXIV1-00	F~EOUVBsFS018-00	F~EOUVBsFS019-00
Compulsory Elective 3		3					7			
Project work	BMEEOVVBsFS014-00	6	2			M	7	150 credits in core and specialisation subjects		
Project work	BMEEOVKBsFS015-00	6	2			M	7	150 credits in core and specialisation subjects		
Project work	BMEEOUVBsFS025-00	6	2			M	7	150 credits in core and specialisation subjects		
Bachelor Thesis	BMEEOVVBsFS015-00	15	1			M	8	According to Dean's Order		
Bachelor Thesis	BMEEOVKBsFS016-00	15	1			M	8	According to Dean's Order		
Bachelor Thesis	BMEEOUVBsFS026-00	15	1			M	8	According to Dean's Order		
<b>Compulsory Elective Subjects of the Specialization in Infrastructure Engineering</b>										
<b>Subject Name</b>	<b>Code</b>	<b>Cr.</b>	<b>LE</b>	<b>SE</b>	<b>LA</b>	<b>S/M/E</b>	<b>Sem.</b>	<b>Preliminary Req. I</b>	<b>Preliminary Req. II</b>	<b>Preliminary Req. III</b>
Earthworks and Drainage of Transportation Infrastructure	BMEEOGMBsFS011-00	3	2			M		F~EOGMBsFC003-00	F~EOVBsFC002-00	
Point Cloud Technologies	BMEEOFTBsFS001-00	3	1		1	M				
Geoinformatics	BMEEOFTBsFS003-00	3	1		1	M				
Engineering Geology	BMEEOGMBsFS008-00	3	1	1		E		F~EOGMBsFC001-00		
Blue-green Infrastructure	BMEEOVKBsFS012-00	3	1	1		M		F~EOVBsFC001-00		
Hydraulic Structures	BMEEOVVBsFS012-00	3	1	1		M		F~EOVBsFC002-00		

Economic & Human Subjects										
Subject Name	Code	Cr.	LE	SE	LA	S/M/E	Sem.	Preliminary Req. I	Preliminary Req. II	Preliminary Req. III
Transversal skills development subjects - Career support										
Argumentation and Logic	BMEGT41BX4K000-00	3	2			M				
Communication Skills	BMEGT43BX4K000-00	3		2		M				
Making a Presentation	BMEGT51BX4K001-00	3		3		M				
Psychology of Becoming a Leader	BMEGT52BX4K000-00	3	2			M				
Workplace Success and Intrapersonal Skills	BMEGT52BX4K002-00	3		2		M				
Transversal skill development subjects - Social integration										
Ethical Decision and Action	BMEGT41BX4T001-00	3	2			M				
Social Challenges of Climate Change	BMEGT42BX4T000-00	3	2			M				
Law in the Economy	BMEGT55BX4T000-00	3	2			M				
Legal Basics	BMEGT55BX4T002-00	3	3			M				
Create Smart! - IP Basics in Practice	BMEGT55BX4T004-00	3	2			M				
Transversal skill development subjects - Business subject group										
Introduction to Management Decisions	BMEGT20BX4U000-00	3	1	1		M				
Economic Analysis of Technology	BMEGT30BX4U000-00	3	2			M				
Finance	BMEGT35BX4U000-00	3	2			M				
Accounting	BMEGT35BX4U001-00	3	2			M				
Economics of Sustainable Development	BMEGT42BX4U000-00	3	2			M				
Circular Economy	BMEGT42BX4U001-00	3	2			M				

These are the courses that must be completed in advance (marked in green) in order to enter the specialisation, with an average grade of 3.0.

- Roads BMEEOUVBSFC001-00
- Public Works BMEEOVKBSFC002-00
- Basics of Hydraulic Engineering BMEEOVBSFC002-00

Mobility window semesters: 5th and 8th semesters. In the case of mobility, a preliminary credit recognition procedure must be initiated at the KKB.

Prerequisites: A: weak prerequisite; F: strong prerequisite; P: parallel prerequisite

		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	Soil Mechanics	Soil Mechanics EN2	Building Constructions I. +ENG1	Building Constructions I. #ENG2
	EN2 English for CE 2	EN2 English for CE 2				
10:15-12:00	Building Constructions I.	Mathematics A2 +EN1	Surveying II. EN1	+Strength of Materials	Strength of Materials +EN1	
		Mathematics A2 #EN2	Surveying II. EN2	#Strength of Materials	Strength of Materials #EN2	
12:15-14:00	+Surveying II.	Environmental Protection	Surveying II. EN3	Environmental Protection EN1		
			Surveying II. EN4	Environmental Protection EN2		
14:15-16:00	Strength of Materials EN1	Soil Mechanics EN1	Building Constructions I. ENL1	Environmental Protection EN1	Hung.Lang.and Cult. SH 2.	
	Strength of Materials EN2			Environmental Protection EN2		
16:15-18:00	Mathematics A2a	Surveying II. EN5	Building Constructions I. ENL2	Mathematics A2a		
		Surveying II. EN6	Building Constructions I. ENL3			
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	BMEEOEMAS42 EN1 Building Const.I.	BMEEOHSAT43 #Reinf. Concr. Str.	BMEEOHSAT43 Reinf. Concrete Str.	BMEEOVVAT43 Hydr. Eng. & Water Man.		
10:15-12:00	BMEGT55A001 Business Law	BMEEOEMAS42 #Building Constr.I.	BMEEOVVAT43 +EN1 Hydr. Eng. & Water Man	BMEEOHSAT42 Steel Structures	BMEEOVVAI42 Hydraulics 2	
	+ Hydrology I	BMEEOEMAS43 +Building Constr.II.	BMEEOVVAT43 #EN2 Hydr. Eng. & Water Man			
12:15-14:00	BMEEOHSAT42 + Steel Structures	BMEEOTMAT43 Structural Analysis I.	BMEEOGMAT43 Earthworks EA	BMEEOHSAS44 Timber Structures	01 Hydraulics 2	
				BMEEOVKAI45 Legal aspect.		
14:15-16:00	BMEEOUVAT42 Roads	BMEEOUVAI45 EN1 Infrastr. CAD Course	+EN1 Earthworks	BMEEOVKAI43 Water Chem. & Hydrob.	Water Chem. & Hydrob. EN1 laboratory	
	EN1 Building Const.II.		#EN2 Earthworks	BMEEOTMAS41 Strength of Materials		
16:15-18:00	Railway Tracks 14:15-17:00	EN2 Infrastr. CAD Course 16-18	Comm. Skills for CE	BMEEOTMAT43 Structural Analysis I.	14-18 2 * 4 hours laboratory	
		Mathematics A3 16-18	BMEEOVKAT42 Public Works I.			
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 BMEEOHSAS-B3	BMEEOHSAS-A2 Reinf. Concr. Buildings	Water Resources Management BMEEOVVAI43	BMEEOHSAS45 EN1 3D Constr. Mod. of Str.	+Reinf. Concr. Buildings	Underground Str. BMEEOGMAS42
	BMEGT30A001 Micro&Macroeconomics	EN1 Structural Design Proj. BMEEOHSAS-PP			BMEEOVVAT43 #EN1 Reinf. Concr. Build.	Highway&Railway Lab. Pr. BMEEOUVAI44
10:15-12:00	BMEGT30A001 Micro&Macroeconomics	BMEEODHAS41 EN1 Design of Structures Proj.	Foundation Engineering BMEEOGMAT45	BMEEOHSAS-A1 +Steel Buildings	BMEEOHSAS-A1 #EN1 Steel Buildings	#EN1 Underground Str. BMEEOGMAS42 Highway&Railway Lab. Pr. 9-12
	Steel and Composite Str. BMEEOHSAS47	BMEEOHSAS-A1 Steel Buildings	Constr. Management BMEEPEKAT41			
12:15-14:00	Drinking Wat.&Waste. Treat. BMEEOVKA-H1 12-15	Transportation Networks BMEEOUVAI42	Foundation Engineering BMEEOGMAT45 12-13			Water Util., Mater Dam.Prev. BMEEOVVA-F1
	Steel and Composite Str. BMEEOHSAS47 14-15	+/# Rock Mechanics BMEEOGMAS41		+EN1 Constr. Management BMEEPEKAT41		
14:15-16:00	Infrastructure Study Project BMEEODHA41	Water Util., Mater Dam.Prev. BMEEOVVA-F1				
				Hydraulic Engineering FC BMEEOVVAI44 17-20		

Civil Engineering	Structural Engineering	Infrastructural Engineering	BSc elective	Cross semesters
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## 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	BMEEOHSA-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								
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	BMEEOHSA-A1	5	3	1			E	2
Reinforced Concrete Buildings	BMEEOHSA-A2	5	3	1			E	2
Timber Structures	BMEEOHSAS44	3	2				M	2
Structural Design Projectwork	BMEEOHSA-PP	6				2	M	2

**STRUCTURAL ENGINEERING MSC PROGRAM**

FROM 2017

	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
<b>Core Subjects</b>									
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	BMEEOHSM51	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
<b>Optional Subjects</b>		5							
<b>Specialization in Numerical Modeling</b>									
<b>Obligatory Subjects</b>									
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
<b>Recommended Elective Subjects</b>									
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
<b>Specialization in Structures</b>									
<b>Obligatory Subjects</b>									
Structures project	BMEEOHSM5P	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
<b>Recommended Elective Subjects</b>									
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
<b>Specialization in Geotechnics and Geology</b>									
<b>Obligatory Subjects</b>									
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
<b>Recommended Elective Subjects</b>									
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
<b>Core Subjects</b>										
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								
<b>Specialization in Highway and Railway Engineering</b>										
<b>Obligatory Subjects</b>										
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
<b>Recommended Elective Subjects</b>										
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
<b>Specialization in Water and Hydro-Environmental Engineering</b>										
<b>Obligatory Subjects</b>										
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
<b>Recommended Elective Subjects</b>										
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
<b>Core Subjects</b>									
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
<b>Optional Subjects</b>		5							
<b>Specialization in Land Surveying and Geoinformatics</b>									
<b>Obligatory Subjects</b>									
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
<b>Recommended Elective Subjects</b>									
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/A	Semester****
<b>Core Subjects</b>										
	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
<b>Obligatory and recommended Elective Subjects</b>										
	1 <sup>st</sup> Obligatory Elective Subject*		8	2	4				V	1
	2 <sup>nd</sup> Obligatory Elective Subject*		4	1	2				F	1
	1 <sup>st</sup> Recommended Elective Subject*		4	2	1				F	2
	2 <sup>nd</sup> Recommended Elective Subject*		4	2	1				F	2
	Optional subjects	BMEEO	5						F	3
		1 <sup>st</sup> semester	30	9	6	2	2	0		
		2 <sup>nd</sup> semester	30	6	8	4	2	0		
		3 <sup>rd</sup> semester	30	4	0	0	1	0		
		<b>Σ</b>	<b>90</b>	<b>19</b>	<b>14</b>	<b>6</b>	<b>5</b>	<b>0</b>		
<b>*Students with a BSc degree in Civil Engineering or Architecture (Student Group I.)</b>										
	<b>Obligatory Elective Subjects (at least 12 credits to complete)</b>									
	Programming	BMEVIHIA061	8	2	4				V	1
	Database Systems	BMEEOFTMB-1	4	1	2				F	1
	<b>Recommended Elective Subjects (at least 8 credits to complete)</b>									
	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
<b>*Students with a BSc degree in Mechanical Engineering/ Energy Engineering/ Mechatronics Engineering/ Electrical Engineering/ Computer Science (Student Group II.)</b>										
	<b>Obligatory Elective Subjects (at least 12 credits to complete)</b>									
	Building Constructions	BMEEOEMMB-1	8	2	4				F	1
	Finite Element Modelling	BMEEOTMMB-1	4	1	2				V	1
	<b>Recommended Elective Subjects (at least 8 credits to complete)</b>									
	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
<b>Optional Subjects</b>										
**	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

Mobility window is the 3. semester.

MSc Specialization in Structural Engineering from 2025							
Core subjects							
Name	Code	Cr	T	P	L	M/E	S
Mathematics MSc for Civil Engineers	BMETEMIMsMMATM-00	3	1	1		M	1
Structures	BMEEOHSMsFST01-00	4	2	1		E	1
Soil and Structure Interaction	BMEEOGMMsFST01-00	4	2	1		E	1
Diagnostics of Constructions	BMEEOEMMsFST01-00	4	2		1	E	1
Stability of Structures	BMEEOHSMsFST02-00	5	2	1		E	1
Seismic Design	BMEEOHSMsFST03-00	5	2	1		M	1
Design of Timber Buildings	BMEEOHSMsFST04-00	3	2			M	1
Economic & Human Subjects 1		3					1
FEM for Civil Engineers	BMEEOTMMsFST01-00	4	2	1		E	2
Engineering Risk Assessment	BMEEOHSMsFST05-00	3	1	1		M	2
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	2
Structures Project work	BMEEOHSMsFST06-00	5		2		M	2
Structural Design	BMEEOHSMsFST07-00	5	2	1		E	2
Dynamics of Structures	BMEEOTMMsFST02-00	5	2	1		M	2
Compulsory Elective 1		3					2
Elective		5					3
Economic & Human Subjects 2		5					3
Master Thesis	BMEEOHSMsFST08-00	20		2		M	3
<b>Compulsory elective</b>							
Nonlinear Mechanics	BMEEOTMMsFST03-00	3	2			E	2
Digital Twins of Structures	BMEEOHSMsFST14-00	3	1	1		M	2
Applied Fracture Mechanics	BMEEOHSMsFST15-00	3	2			M	2
Prestressing Technologies	BMEEOHSMsFST16-00	3	2			M	2
Strengthening of Structures	BMEEOHSMsFST17-00	3	2			M	2
Design of Highrise Buildings, Skyscrapers and Complex Structures	BMEEOHSMsFST18-00	3	2			M	2
Composite Structures	BMEEOHSMsFST19-00	3	2			M	1
Geodynamics	BMEEOGMMsFST08-00	3	2			M	2
<b>Economic &amp; Human Subjects</b>							
Management	BMEGT20MW02	5	3			M	
Economic Analysis of Technology	BMEGT30MS02	2	2			M	
Investments	BMEGT35M004	2	2			M	
Accounting, Control, Taxation	BMEGT35M014	2	2			M	
Corporate Finance	BMEGT35M411	2	2			M	
Ethics for Engineers	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2			M	
Technology Theories	BMEGT41MB52	2	2			M	
Environmental and Resource Management	BMEGT42M003	2	2			M	
Economics of Sustainable Development	BMEGT42M004	2	2			M	
Sustainable Business Model Design	BMEGT42MN29	3	2			M	
Visual Communication	BMEGT43M400	4	2	2		M	
Social and Visual Communication	BMEGT43MS02	2	2			M	
Social and Visual Communication	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology	BMEGT52MS01	2	2			M	
Corporate Law	BMEGT55M002	2	2			M	
Law of the Information Society	BMEGT55M005	2	2			M	
E-law	BMEGT55M400	3	2			M	
Economic Law of the EU	BMEGT55MN02	3	2			M	

MSc Specialization in Geotechnics from 2025							
Basic subjects							
Name	Code	Cr	T	P	L	M/E	S
Mathematics MSc for Civil Engineers	BMETEMIMsMMATM-00	3	1	1		M	1
Structures	BMEEOHSMsFST01-00	4	2	1		E	1
Soil and Structure Interaction	BMEEOGMMsFST01-00	4	2	1		M	1
Diagnostics of Constructions	BMEEOEMMsFST01-00	4	2		1	E	1
Engineering Geology	BMEEOGMMsFST02-00	5	2		1	E	1
Geotechnical Numerical Methods	BMEEOGMMsFST03-00	5	2	1		M	1
Enviromental Geotechnics	BMEEOGMMsFST04-00	3	2			M	1
Economic & Human Subjects 1		3					1
FEM for Civil Engineers	BMEEOTMMsFST01-00	4	2	1		E	2
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	2
Engineering Structures for Geotechnical Engineers	BMEEOHSMsFST20-00	3	2			E	2
Geotechnics and Engineering Geology Project work	BMEEOGMMsFST05-00	5		2		M	2
Geotechnical Design	BMEEOGMMsFST06-00	5	2	1		M	2
Environmental Geology	BMEEOGMMsFST07-00	5	2		1	M	2
Compulsory Elective 1		3					2
Elective		5					3
Economic & Human Subjects 2		5					3
Master Thesis	BMEEOGMMsFST09-00	20		2		M	3
<b>Compulsory elective</b>							
Geodynamics	BMEEOGMMsFST08-00	3	2			M	2
Hydrogeology	BMEEOGMMsFST10-00	3	2			M	2
Engineering Geology of Hungary	BMEEOGMMsFST11-00	3	1	1		M	2
Tunelling	BMEEOGMMsFST12-00	3	2			M	2
Engineering Risk Assessment	BMEEOHSMsFST05-00	3	1	1		M	2
Earthworks of Infrastructures	BMEEOGMMsFST13-00	3	2	1		M	2
<b>Economic &amp; Human Subjects</b>							
Management	BMEGT20MW02	5	3			M	
Economic Analysis of Technology	BMEGT30MS02	2	2			M	
Investments	BMEGT35M004	2	2			M	
Accounting, Control, Taxation	BMEGT35M014	2	2			M	
Corporate Finance	BMEGT35M411	2	2			M	
Ethics for Engineers	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2			M	
Technology Theories	BMEGT41MB52	2	2			M	
Environmental and Resource Management	BMEGT42M003	2	2			M	
Economics of Sustainable Development	BMEGT42M004	2	2			M	
Sustainable Business Model Design	BMEGT42MN29	3	2			M	
Visual Communication	BMEGT43M400	4	2	2		M	
Social and Visual Communication	BMEGT43MS02	2	2			M	
Social and Visual Commucation	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology	BMEGT52MS01	2	2			M	
Corporate Law	BMEGT55M002	2	2			M	
Law of the Information Society	BMEGT55M005	2	2			M	
E-law	BMEGT55M400	3	2			M	
Economic Law of the EU	BMEGT55MN02	3	2			M	

### MSc Specialization in Highway and Railway Engineering from 2025

Basic subjects							
Name	Code	Cr	T	P	L	M/E	S
Mathematics MSc for Civil Engineers	BMETEMIMsMMATM-00	3	1	1		M	1
Methods of Engineering Analysis	BMEEOVVMsFIN01-00	3	1	1		M	1
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	1
Ecological Engineering	BMEEOVKMsFIN01-00	6	2	1		E	1
Infrastructure Works	BMEEOHSMsFIN01-00	5	2	1		E	1
Compulsory Elective 1		3					1
Compulsory Elective 2		3					1
Economic & Human Subjects 1		3					1
Design of Railway Stations	BMEEOUVMsFIN01-00	4	2			E	2
Transport Strategic Planning	BMEEOUVMsFIN02-00	4	2	1		M	2
Highway Construction and Pavement Structures	BMEEOUVMsFIN03-00	4	2			E	2
Railway Track Structures and Diagnostics	BMEEOUVMsFIN04-00	4	3			E	2
Traffic engineering	BMEEOUVMsFIN05-00	4	2			E	2
Road Safety	BMEEOUVMsFIN06-00	4	2	1		M	2
Compulsory Elective 3		3					2
Compulsory Elective 4		3					2
Elective		5					3
Economic & Human Subjects 2		5					3
Master Thesis	BMEEOUVMsFIN07-00	20		2		M	3
<b>Compulsory elective</b>							
Special Railway Systems	BMEEOUVMsFIN08-00	3	2			M	1
Railway Engineering Case Studies	BMEEOUVMsFIN09-00	3	2			M	1
Highway Infrastructure Management Systems	BMEEOUVMsFIN10-00	3	2			M	1
Economics of Civil Engineering projects	BMEEOUVMsFIN11-00	3	2			M	2
Transport Modelling	BMEEOUVMsFIN12-00	3	2			M	2
Highway Design BIM	BMEEOUVMsFIN13-00	3	2			M	2
<b>Economic &amp; Human Subjects</b>							
Management	BMEGT20MW02	5	3			M	
Economic Analysis of Technology	BMEGT30MS02	2	2			M	
Investments	BMEGT35M004	2	2			M	
Accounting, Control, Taxation	BMEGT35M014	2	2			M	
Corporate Finance	BMEGT35M411	2	2			M	
Ethics for Engineers	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2			M	
Technology Theories	BMEGT41MB52	2	2			M	
Environmental and Resource Management	BMEGT42M003	2	2			M	
Economics of Sustainable Development	BMEGT42M004	2	2			M	
Sustainable Business Model Design	BMEGT42MN29	3	2			M	
Visual Communication	BMEGT43M400	4	2	2		M	
Social and Visual Communication	BMEGT43MS02	2	2			M	
Social and Visual Communication	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology	BMEGT52MS01	2	2			M	
Corporate Law	BMEGT55M002	2	2			M	
Law of the Information Society	BMEGT55M005	2	2			M	
E-law	BMEGT55M400	3	2			M	
Economic Law of the EU	BMEGT55MN02	3	2			M	

**MSc Specialization in Water and Hydro-Environmental Engineering from 2025**

<b>Basic subjects</b>								
<b>Name</b>	<b>Code</b>	<b>Cr</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>M/E</b>	<b>S</b>	
Mathematics MSc for Civil Engineers	BMETEMIMsMMATM-00	3	1	1		M	1	
Methods of Engineering Analysis	BMEEOVVMsFIN01-00	3	1	1		M	1	
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	1	
Ecological Engineering	BMEEOVKMsFIN01-00	6	2	1		E	1	
Infrastructure Works	BMEEOHSMsFIN01-00	5	2	1		E	1	
Hydroinformatics	BMEEOVVMsFIN02-00	6	1	2		E	1	
Economic & Human Subjects 1		3	10				1	
Design and Operation of Public Works	BMEEOVKMsFIN02-00	4	1	2		E	2	
Design and operation of drinking water and wastewater treatment	BMEEOVKMsFIN03-00	4	1	1		E	2	
Water quality monitoring and modelling	BMEEOVKMsFIN04-00	4	1	1		M	2	
Design of hydraulic structures	BMEEOVVMsFIN03-00	5	1	2		M	2	
Hydromorphology	BMEEOVVMsFIN04-00	4	1	1	24f	E	2	
Hydrologic modelling	BMEEOVVMsFIN05-00	3	1	1		E	2	
Compulsory Elective 1		3	12				2	
Compulsory Elective 2		3	12				2	
Elective		5					3	
Economic & Human Subjects 2		5	14				3	
Master Thesis	BMEEOVVMsFIN06-00	20		2			3	
Master Thesis	BMEEOVKMsFIN05-00	20		2			3	
<b>Compulsory elective</b>								
Water quality management case studies	BMEEOVKMsFIN06-00	3	1	1		M	2	
Drinking water and wastewater treatment case studies	BMEEOVKMsFIN07-00	3	1	1		M	2	
Groundwater	BMEEOVVMsFIN07-00	3	1	1		M	2	
Hydrometeorology and Climatology	BMEEOVVMsFIN08-00	3	1	1		M	2	
Hydraulic measurements	BMEEOVVMsFIN09-00	3			2	M	2	
Integrated water management	BMEEOVVMsFIN10-00	3	2			M	2	
<b>Economic &amp; Human Subjects</b>								
Management	BMEGT20MW02	5	3			M		
Economic Analysis of Technology	BMEGT30MS02	2	2			M		
Investments	BMEGT35M004	2	2			M		
Accounting, Control, Taxation	BMEGT35M014	2	2			M		
Corporate Finance	BMEGT35M411	2	2			M		
Ethics for Engineers	BMEGT41M004	2	2			M		
Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2			M		
Technology Theories	BMEGT41MB52	2	2			M		
Environmental and Resource Management	BMEGT42M003	2	2			M		
Economics of Sustainable Development	BMEGT42M004	2	2			M		
Sustainable Business Model Design	BMEGT42MN29	3	2			M		
Visual Communication	BMEGT43M400	4	2	2		M		
Social and Visual Communication	BMEGT43MS02	2	2			M		
Social and Visual Communication	BMEGT43MS07	2	2			M		
Leadership and Applied Management Psychology	BMEGT52MS01	2	2			M		
Corporate Law	BMEGT55M002	2	2			M		
Law of the Information Society	BMEGT55M005	2	2			M		
E-law	BMEGT55M400	3	2			M		
Economic Law of the EU	BMEGT55MN02	3	2			M		

### MSc Specialization in Land Surveying and Geoinformatics from 2025

Basic subjects							
Name	Code	Cr	T	P	L	M/E	S
Mathematics MSc for Civil Engineers	BMETEMIMsMMATM-00	3	1	1		M	1
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	1
Adjustment calculations MSc	BMEEOAFMsFGG01-00	4	1	2		E	1
Geodetic surveys MSc	BMEEOAFMsFGG02-00	4	2	1		E	1
Digital Earth	BMEEOFTMsFGG01-00	5	2		1	M	1
Project lab 1	BMEEOAFMsFGG03-00	6		2		M	1
Economic & Human Subjects 1		3	2			M	1
Theory and application of GNSS	BMEEOAFMsFGG04-00	5	1		2	E	2
Automated Survey Systems	BMEEOAFMsFGG05-00	6	1		2	E	2
Mapping technologies	BMEEOFTMsFGG02-00	5	1		2	M	2
IT Technologies	BMEEOFTMsFGG03-00	5	1		2	M	2
Intelligent transportation systems	BMEEOFTMsFGG04-00	5	1		2	M	2
Project lab 2	BMEEOFTMsFGG05-00	4		1		M	2
Elective		5				M	3
Economic & Human Subjects 2		5	3			M	3
Master Thesis	BMEEOAFMsFGG06-00	20		2			3
Master Thesis	BMEEOFTMsFGG06-00	20		2			3
Economic & Human Subjects							
Management	BMEGT20MW02	5	3			M	
Economic Analysis of Technology	BMEGT30MS02	2	2			M	
Investments	BMEGT35M004	2	2			M	
Accounting, Control, Taxation	BMEGT35M014	2	2			M	
Corporate Finance	BMEGT35M411	2	2			M	
Ethics for Engineers	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2			M	
Technology Theories	BMEGT41MB52	2	2			M	
Environmental and Resource Management	BMEGT42M003	2	2			M	
Economics of Sustainable Development	BMEGT42M004	2	2			M	
Sustainable Business Model Design	BMEGT42MN29	3	2			M	
Visual Communication	BMEGT43M400	4	2	2		M	
Social and Visual Communication	BMEGT43MS02	2	2			M	
Social and Visual Communication	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology	BMEGT52MS01	2	2			M	
Corporate Law	BMEGT55M002	2	2			M	
Law of the Information Society	BMEGT55M005	2	2			M	
E-law	BMEGT55M400	3	2			M	
Economic Law of the EU	BMEGT55MN02	3	2			M	

**MSc Construction Information Technology Engineering from 2025**

MSc Construction Information Technology Engineering from 2025							
Basic subjects							
Name	Code	Cr	T	P	L	M/E	S
Mathematics MSc for Civil Engineers	BMETEMIMsMMATM-00	3	1	1		M	1
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	1
Building Information Modelling	BMEEOEMMsFCI01-00	3	2			M	1
Construction Information Technology Engineering Project	BMEEOFTMsFCI01-00	8			4	M	1
Compulsory Elective 1							2
Compulsory Elective 2							2
Civil Engineering Automation, Modelling	BMEEOHSMsFCI01-00	5	1	2		E	2
BIM Modelling and Design	BMEEOFTMsFCI02-00	5			4	M	2
Construction Information Technology Programming	BMEVIAUMSXA052-00	6	1	4		M	2
Complex Construction IT project	BMEEOFTMsFCI03-00	6			2	M	2
Programming <sup>a</sup>	BMEVIHIMSXA061-00	8	2		4	E	1
Database systems <sup>a</sup>	BMEEOFTMsFCI04-00	4	1	2		M	1
Building Constructions <sup>b</sup>	BMEEOEMMsFCI02-00	8	2	4		M	1
Finite Element Modeling <sup>b</sup>	BMEEOTMMsFCI01-00	4	1	2		E	1
Elective		5					3
Economic & Human Subjects		5					3
Master Thesis	BMEEOFTMsFCI05-00	20		2			3
Compulsory elective							
Electrical Systems in Buildings	BMEVIVEMSXA061-00	4	2			E	2
HVAC Basics	BMEGEEEMSXHVC-01	4	2			M	2
Automated Survey Systems	BMEEOAFMsFCI01-00	4	1	2		M	2
Stability of Structures	BMEEOHSMsFST02-00	5	2	1		E	1
FEM for Civil Engineers	BMEEOTMMsFST01-00	4	2	1		E	2
Economic & Human Subjects							
Management	BMEGT20MW02	5	3			M	
Economic Analysis of Technology	BMEGT30MS02	2	2			M	
Investments	BMEGT35M004	2	2			M	
Accounting, Control, Taxation	BMEGT35M014	2	2			M	
Corporate Finance	BMEGT35M411	2	2			M	
Ethics for Engineers	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2			M	
Technology Theories	BMEGT41MB52	2	2			M	
Environmental and Resource Management	BMEGT42M003	2	2			M	
Economics of Sustainable Development	BMEGT42M004	2	2			M	
Sustainable Business Model Design	BMEGT42MN29	3	2			M	
Visual Communication	BMEGT43M400	4	2	2		M	
Social and Visual Communication	BMEGT43MS02	2	2			M	
Social and Visual Communication	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology	BMEGT52MS01	2	2			M	
Corporate Law	BMEGT55M002	2	2			M	
Law of the Information Society	BMEGT55M005	2	2			M	
E-law	BMEGT55M400	3	2			M	
Economic Law of the EU	BMEGT55MN02	3	2			M	

MSc Specialization in Structural Engineering					
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-	<b>Engineering Risk Assessment</b> BMEEOHSMsFST05-00 +00	Numerical Methods BMEEOAFMsFAL01-00 01	<b>Digital Twins of Structures</b> BMEEOHSMsFST14-00 00		
-10:00	Engineering Risk Assessment BMEEOHSMsFST05-00 #01				
10:15-	<b>FEM for Civil Engineers</b> BMEEOTMMsFST01-00 +01	<b>Structural Design</b> BMEEOHSMsFST07-00 00	FEM for Civil Engineers BMEEOTMMsFST01-00 00		
-12:00	Numerical Methods BMEEOAFMsFAL01-00 #EN1				
12:15-	Structures Project work BMEEOHSMsFST06-00 01	Dynamics of Structures BMEEOTMMsFST02-00 +01	<b>Applied Fracture Mechanics</b> BMEEOHSMsFST15-00 00	<b>Strengthening of Structures</b> BMEEOHSMsFST17-00 00	
-14:00		Structural Design BMEEOHSMsFST07-00 #01			
14:15-	<b>Geodynamics</b> BMEEOGMMsFST08-00 00	Dynamics of Structures BMEEOTMMsFST02-00 00	<b>Prestressing Technologies</b> BMEEOHSMsFST16-00 00		
-16:00					
16:15-	<b>Design of Highrise Buildings, Skyscrapers and Complex Structures</b> BMEEOHSMsFST18-00 00		<b>Nonlinear Mechanics</b> BMEEOTMMsFST03-00 00		

MSc Specialization in Geotechnics					
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-	<b>Engineering Structures for Geotechnical Engineers</b> BMEEOHSMsFST20-00 00	Numerical Methods BMEEOAFMsFAL01-00 01	Geotechnical Design BMEEOGMMsFST06-00 +01	<b>Engineering Geology of Hungary</b> BMEEOGMMsFST11-00 00	
-10:00			Environmental Geology BMEEOGMMsFST07-00 #01		
10:15-	<b>FEM for Civil Engineers</b> BMEEOTMMsFST01-00 +01	<b>Geotechnical Design</b> BMEEOGMMsFST06-00 00	FEM for Civil Engineers BMEEOTMMsFST01-00 00		
-12:00	Numerical Methods BMEEOAFMsFAL01-00 #EN1				
12:15-	<b>Environmental Geology</b> BMEEOGMMsFST07-00 00	Geotechnics and Engineering Geology Project work BMEEOGMMsFST05-00 01	<b>Hydrogeology</b> BMEEOGMMsFST10-00 00		
-14:00					
14:15-	<b>Geodynamics</b> BMEEOGMMsFST08-00 00	<b>Earthworks of Infrastructures</b> BMEEOGMMsFST13-00 00	<b>Tunelling</b> BMEEOGMMsFST12-00 00		
-16:00					
16:15-					

MSc Specialization in Highway and Railway Engineering					
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-		<b>Economics of Civil Engineering projects</b> BMEEOUVmsFIN11-00 EN0			
-10:00					
10:15-		<b>Road Safety</b> BMEEOUVmsFIN06-00 EN0	<b>Transport Modelling</b> BMEEOUVmsFIN12-00 EN0	<b>Design of Railway Stations</b> BMEEOUVmsFIN01-00 EN0	
-12:00					
12:15-		<b>Transport Strategic Planning</b> BMEEOUVmsFIN02-00 EN0	<b>Traffic engineering</b> BMEEOUVmsFIN05-00 EN0	<b>Railway Track Structures and Diagnostics</b> BMEEOUVmsFIN04-00 EN0	
-14:00					
14:15-		Transport Strategic Planning BMEEOUVmsFIN02-00 EN1	Road Safety BMEEOUVmsFIN06-00 #EN1		
-16:00		<b>Highway Construction and Pavement Structures</b> BMEEOUVmsFIN03-00 EN0			
16:15-					

MSc Specialization in Water and Hydro-Environmental Engineering					
	Hétfő	Kedd	Szerda	Csütörtök	Péntek
8:15-	<b>Design and Operation of Public Works</b> BMEEOVKmsFIN02-00 +EN0	Design and Operation of Public Works BMEEOVKmsFIN02-00 EN1	Design of hydraulic structures BMEEOVVmsFIN03-00 EN1		
-10:00				<b>Design of hydraulic structures</b> BMEEOVKmsFIN03-00 #EN0	
10:15-	<b>Design and operation of drinking water and wastewater treatment technologies</b> BMEEOVKmsFIN03-00 +EN0	<b>Water quality monitoring and modelling</b> BMEEOVKmsFIN04-00 +EN0	<b>Hydromorphology</b> BMEEOVVmsFIN04-00 +EN0		
-12:00	Design and operation of drinking water and wastewater treatment technologies BMEEOVKmsFIN03-00 #EN1	Water quality monitoring and modelling BMEEOVKmsFIN04-00 #EN1	Hydromorphology BMEEOVVmsFIN04-00 #EN1		
12:15-	<b>Hydrologic modelling</b> BMEEOVVmsFIN05-00 +EN0	<b>Groundwater</b> BMEEOVVmsPIN07-00 +EN0	<b>Integrated water management</b> BMEEOVVmsFIN10-00 EN0		
-14:00	Hydrologic modelling BMEEOVVmsFIN05-00 #EN1	Groundwater BMEEOVVmsPIN07-00 #EN1			
14:15-		<b>Water quality management case studies</b> BMEEOVKmsPIN06-00 +EN0			
-16:00		Water quality management case studies BMEEOVKmsPIN06-00 +EN1			
16:15-					

MSc Specialization in Land Surveying and Geoinformatics					
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-	IT Technologies BMEEOFTmsFGG03-00 EN1	<b>Intelligent Transportation Systems</b> BMEEOFTmsFGG04-00 +EN0	Theory and application of GNSS BMEEOAFmsFGG04-00 EN1		
-10:00					
10:15-	<b>Mapping technologies</b> BMEEOFTmsFGG02-00 +EN0	Intelligent Transportation Systems BMEEOFTmsFGG04-00 EN1	<b>Automated Survey Systems</b> BMEEOAFmsFGG05-00 +EN0		
-12:00	IT Technologies BMEEOFTmsFGG03-00 #EN0			Theory and application of GNSS BMEEOAFmsFGG04-00 #EN0	
12:15-	Mapping technologies BMEEOFTmsFGG02-00 EN1		Automated Survey Systems BMEEOAFmsFGG05-00 EN1		
-14:00					
14:15-	Project lab 2 BMEEOFTmsFGG05-00 +EN1				
-16:00					
16:15-					

MSc Construction Information Technology Engineering					
	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-			BIM Modelling and Design BMEEOFtMsFCI02-00 EN1	Civil Engineering Automation, Modelling BMEEOHSMsFCI01-00 +EN0	Construction Information Technology Programming BMEVIAUMSXA052-00 EN1
-10:00		Construction Information Technology Programming BMEVIAUMSXA052-00 #EN0			
10:15-		Civil Engineering Automation, Modelling BMEEOHSMsFCI01-00 EN1		Construction Information Technology Programming BMEVIAUMSXA052-00 EN1	
-12:00					
12:15-			Electrical Systems in Buildings BMEVIVEMSXA061-00 EN0	HVAC Basics BMEGEEEMSxHVAC-01 EN0	Complex Construction IT project BMEEOFtMsFCI03-00 EN1
-14:00					
14:15-					
-16:00					
16:15-					