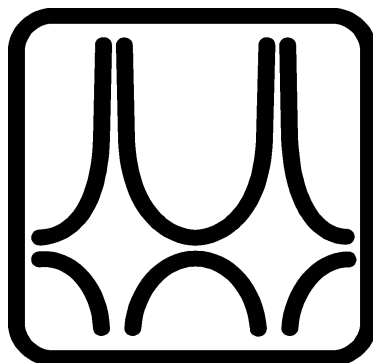




Budapest University of Technology and Economics

Timetable

**International full time students
Year 2022/23 - 2nd Semester**



Faculty of Civil Engineering

BSc-MSc course year 2022/23 2nd semester calendar

Edu week	even(#)/odd(+)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb
----- Registration week -----								
1	+	27-Feb Study period start	28-Feb	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar
2	#	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar	12-Mar
3	+	13-Mar	14-Mar	15-Mar National holiday	16-Mar	17-Mar	18-Mar	19-Mar
4	#	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar
5	+	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr
6	#	3-Apr	4-Apr	5-Apr	6-Apr Spring hoiliday	7-Apr Good Friday	8-Apr	9-Apr Easter
7	+	10-Apr Easter	11-Apr Spring hoiliday	12-Apr Spring hoiliday	13-Apr	14-Apr	15-Apr	16-Apr
8	#	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	23-Apr
9	+	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr Vásárhelyi Day	29-Apr	30-Apr
10	#	1-May Workers' Day	2-May	3-May	4-May	5-May # Monday course schedule	6-May	7-May
11	+	8-May	9-May	10-May	11-May	12-May	13-May	14-May
12	#	15-May	16-May	17-May	18-May	19-May	20-May	21-May
13	+	22-May	23-May	24-May	25-May	26-May	27-May	28-May
14	#	29-May Pentecost	30-May	31-May	1-Jun	2-Jun	3-Jun	4-Jun Pentecost
		5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun
----- Repeat week -----								
		12-Jun State Exam per. start	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun
		19-Jun Exam per. start	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	6-Jul	7-Jul State Exam per. end	8-Jul	9-Jul Exam per. end

The last examination day of the subjects taught by the Faculty of Civil Engineering in the BSc program is 14th of July because of the Field courses.

Diligence period:

Repeat week:

Exam period:

Holiday:

Pre-Engineering Courses in Civil Engineering

Subjects		Semesters (lectures)		Cross semester
Name	Code	1	2	
Basic Mathematics I.	BMETETOPB22	4		Y
Basic Informatics	BMEEOFTPRE1	4		N
Engineering Sciences	BMETETOP117	4		N
Technical Drawing	BMEEOEMPRES2	4		N
Freehand Drawing for CE	BMEEPRAG121	2		N
Design Skills	BMEEPRAG111	2		N
English for Studies 1.	BMEGT60Z901	6		N
Basic Mathematics II.	BMETETOPB23		5	N
Basic Mechanics	BMEEOTMPRE3		5	N
Basic Surveying	BMEEOAFPRES4		4	N
Basic Hydraulics	BMEEOVVPRES5		2	N
Fundamental of Structures	BMEEPSTG201		4	N
English for Studies 2.	BMEGT60Z902		6	N

**For students of BME of Civil Engineering only criteria subjects (no credit points)
Students can enter the Bsc degree program only after completing all the subjects
of the Pre-Engineering Courses in Civil Engineering**

	2022/23 2st Semester				
	Monday	Tuesday	Pre-Engineering Courses in Civil Engineering		Friday
			Thursday		
8:15-9:00			Basic Mechanics BMEEOTMPRE3	Basic Hydraulics BMEEOVVPRES5 K.376	Basic Surveying BMEEOAFPRES4 K.f27b
9:15-10:00					
10:15-11:00			Basic Surveying BMEEOAFPRES4 K.f27a		Basic Mechanics BMEEOTMPRE3
11:15-12:00					
12:15-13:00	English for Studies 2. BMEGT60Z902	Fundamental of Struct. BMEEPSTG201	English for Studies 2. BMEGT60Z902	English for Studies 2. BMEGT60Z902	
13:15-14:00					English for Studies 2. BMEGT60Z902
14:15-15:00		Basic Mathematics II. BMETETOPB23			
15:15-16:00			Basic Mathematics II. BMETETOPB23	Fundamental of Struct. BMEEPSTG201	
16:15-17:00	Basic Mathematics I. BMETETOPB22				
17:15-18:00				Basic Mathematics I. BMETETOPB22	
18:15-19:00					

Civil Eng.	Achitect.	Natural Sci.	Language	Cross-semester
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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	EOFTAT41		
Construction Materials I.	BMEEOMAT43	5	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	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	
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	EOHSAT43	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																			
Reinforced Concrete Bridges	BMEEOHSAS-B2	4	2	1				E	6							X	EOHSAS42	EOHSAS43	EOHSAS44
Hungarian Language and Culture for SH Students 1	BMEGT60Z9H1	2	4					M		X									
Hungarian Language and Culture for SH Students 2	BMEGT60Z9H2	2	4					E			X								
Cross semesters: EMAT44, EMAS42, HSAT42, HSAT43, HSAS-A1, HSAS-A2, TMAT42, TMAS41, UVAT42, VVAT42, DHAS41, EKAT41																			

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

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

CIVIL ENGINEERING BSC FROM 2019 - SPECIALIZATION IN INFRASTRUCTURE ENGINEERING

Subject name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester	semesters								Preliminary requirement(s)
										1	2	3	4	5	6	7	8	
Core subjects																		
English for Civil Engineering 1	BMEGT602911	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	BMEGT602912	4	4					M	2		X							
Surveying 2	BMEEOAFAT42	4	2	2				E	2		X							
Construction Materials 1	BMEEOEMAT43	5	2	2	2			E	2		X							
Civil Engineering Informatics	BMEEOFTAT42	5	2	2				M	2		X							
Building Construction Study	BMEEOEMAT44	3	1	2				M	2			X						
Introduction to Strength of Materials	BMEEOTMAT42	6	5					M	2		X							
Hydraulics 1	BMEEOVAT42	3	2	1				E	2		X							
Mathematics A2a - Vector Functions	BMETE90AX02	6	4	2				E	2		X							
Surveying Field Course	BMEEOAFAT43	3					9	M	3			X						
Soil Mechanics	BMEEOGMAT42	4	2	2				M	3		X							
Geoinformatics	BMEEOFTAT43	3	2	1				M	3			X						
Basis of Design	BMEEOHSAT41	3	2					M	3			X						
Structural Analysis 1	BMEEOTMAT43	4	4					E	3			X						
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						
Hydrology 1	BMEEOVAT41	3	2	1				M	3			X						
Mathematics A3 for Civil Engineers	BMETE90AX07	4	2	2				E	3			X						
Earthworks	BMEEOGMAT43	3	2	1				E	4				X					
Steel Structures	BMEEOHSAT42	3	3					M	4				X					
Reinforced Concrete Structures	BMEEOHSAT43	3	3					M	4				X					
Roads	BMEEOUVAT42	2	2					M	4				X					
Hydraulic Engineering, Water Manag.	BMEEOVAT43	3	2	1				E	4				X					
Communication Skills for Civil Engineers	BMEGT602913	2	2					M	4				X					
Business Law	BMEGT55A001	2	2					M	4				X					
Foundation Engineering	BMEEOGMAT45	4	3	0				E	5					X				
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			
Urban and Regional Development	BMEEOUVAT43	3	2					M	7							X		
Elective subject		4	4					M	7								X	
Branch Subjects																		
Infrastructure CAD Course	BMEEOUVAI45	1		2				M	4				X					
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					
Highway and Railway Structures	BMEEOUVAI41	5	4					E	5					X				
Highway and Railway Design	BMEEOUVAI43	5	3	2				E	5					X				
Public Works 2	BMEEOVKAI41	5	2	2				E	5					X				
Urban Environment	BMEEOVKAI42	3	2		1			M	5					X				
* Water Quality Management	BMEEOVKAI44	3	2	1				M	5					X				
Hydrology 2	BMEEOVVAI41	3	2	1				M	5					X				
* Transportation Networks	BMEEOVVAI42	3	2					M	6						X			
* Highway and Railway Laboratory Practice	BMEEOUVAI44	1			3			M	6						X			
* Water Resources Management	BMEEOVVAI43	3	2					E	6						X			
Hydraulic Engineering Field Course	BMEEOVVAI44	2				6		M	6						X			
Infrastructure Study Project	BMEEOHAI41	6			2			M	6						X			
Public Administration and Land Registry	BMEEOUVAT44	3	2					M	7							X		
Earthworks and Drainage of Transportation Infrastructures	BMEEOGMAT41	3	3					E	7							X		
Technical Internship	BMEEOHAI42	0				20	S	7									X	
Proposed Optional Branch Subjects																		
* Building Construction I.	BMEEOEMAS42	3	1	2				E	4					X				
* Timber Structures	BMEEOHSAS44	3	2					M	4					X				
* Construction Materials II.	BMEEOEMAS41	3	1	2				E	5					X				
* Bridges and Infrastructures	BMEEOHSAS43	3	2					E	5						X			
* Rock Mechanics	BMEEOGMAS41	3	1	1				M	6							X		
* Underground Structures, Deep Found.	BMEEOGMAS42	3	2	1				M	6								X	
Specialization in Infrastructure Engineering																		
Road Design	BMEEOUVA-E1	3	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					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	BMEEOHAI-QD	24						M	8								X	
Total number of credits		240							32	37	32	28	32	30	25	24		
Total number of classes		184							31	34	27	29	28	20	15	0		
Number of exams		25							3	4	4	4	4	4	3	0		
Proposed Elective Subjects																		
Field Course of Structural Geodesy	BMEEOAFAS42	1		2				M	7							X		
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	BMEGT6029H1	2	4					M		X								
Hungarian Language and Culture for SH Students 2	BMEGT6029H2	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.

2022/23 2nd Semester		BSc Civil Engineering 1st year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00	EN1 English for CE 2	EN1 English for CE 2	EN2 Surveying II.	EN1 Constr. Mat. I. M.M.L2 EN2 Constr. Mat. I. M.M.L3 EN3 Constr. Mat. I. M.M.L4 EN4 Constr. Mat. I. M.M.P	EN5 Surveying II.
	EN2 English for CE 2	EN2 English for CE 2 EN4 CE Informatics			EN6 Surveying II. EN2 CAD for Civil E. #Building Con. St.
10:15-12:00	EN2 B. Const. Study EN1 Basis of Stat.&Dyn.	Hydraulics I. K.f10	Constr. Materials I. K.f88	Surveying II. K.f88	EN3 CE Informatics K.142a
	EN1 Intr.to Str. of M. EN2 Intr.to Str. of M. EN1 CAD for Civil E.				Civil Eng. Representation EN1 Basis of Stat.&Dyn.
14:15-16:00	EN1 CE Informatics	EN1 Surveying II.	EN1 B. Const. Study K.183 EN2 CE Informatics K.142a	EN3/EN4 Surveying II.	EN1 Intr. to Str. of M. K.373 EN2 Intr. to Str. of M. K.mf78
	Mathematics A2a		EN1 Civil Eng. Representation Hung.Lang.and Cult. SH 2. BMEGT60Z9H2		EN1 Mathem. A2a EN2 Mathem. A2a

Surveying Field Course EN1 2019. 06. 11 - 19 EN2 2019. 06. 20 - 28

2022/23 2nd Semester		BSc Civil Engineering 2nd year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00	EN1 Building Const.I. K.183	#Reinf. Concr. Str. K.f12 K.f12	Reinf. Concrete Str. K.f12	Hydr. Eng. & Water Man. K.174	EN1 Soil Mechanics K.374
	Business Law K.f88 + Hydrology I # Hydrology I				
12:15-14:00	+ Steel Structures	Structural Analysis I. K.mf78	Earthworks EA Soil Mechanics K.mf21	Timber Structures Legal Aspects of Water and Environment	01 Hydraulics 2 K.f88
	Roads EN1 Building Const.II. K.144 Railway Tracks K.373 14:15-17:00				EN1 Infrastr. CAD Course EN2 Infrastr. CAD Course 16-18
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			

2022/23 2nd Semester		BSc Branch of Structural Engineering 3rd year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00		Reinf. Concr. Buildings Water Resources Management BMEEOVVAI43	Micro&Macroeconomics	+Reinf. Concr. Buildings EL111 #EN1 Reinf. Concr. Build. EL111	Underground Str. BMEEOGMAS42 Highway&Railway Lab. Pr. BMEEOUVAI44
	10:15-12:00	Bridges and Infrastr. K.f12		EN1 Structural Design Projektwork K.f12 EN1 Design of Structures Projektwork Infrastructure Study Project BMEEODHA41	EN1 3D Constr. Mod. of Str. Foundation Engineering
12:15-14:00		Steel and Composite Str.	Steel Buildings BMEEHSA-A1	Constr. Management K.f88 #Foundation Engineering	Micro&Macroeconomics K.389
	14:15-16:00	*Steel and Comp.Str. 14-15	+ Rock Mechanics K.mf21 #EN1 Rock Mechanics #EN3 Rock Mechanics	Comm. Skills for CE K.376 Engineering Works	+EN1 Constr. Management K.389 #EN2 Rock Mechanics K.136
16:15-18:00				Hydraulic Engineering FC BMEEOVVAI44 17-20	

2022/23 2nd Semester		BSc Branch of Structural Engineering 4th year			students
Monday		Tuesday	Wednesday	Thursday	Friday
8:15-10:00					
10:15-12:00					
12:15-14:00					
14:15-16:00			Field Course of Structure Geodesy BMEEOAFAS42 #EN1/+EN2 14-18 K.f27k 14-18		
16:15-18:00					

Civil Engineering Structural Engineering Infrastructural Engineering Bsc elective Cross semesters

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	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
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	BMEEOHSM2-2	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	BMEEOHSM5P	5				2		M	2
Structures 2	BMEEOHSM2-1	4	2	1				E	2
Stability of Structures	BMEEOHSM2-2	4	2	1				E	2
Seismic Design	BMEEOHSM2-3	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	BMEEOHSM261	4	2	1				M	2
Prestressing Technologies	BMEEOHSM262	3	1	1				M	2
Strengthening of Structures	BMEEOHSM263	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

Structures in Nuclear Power Plants Program

FROM 2020

	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
Nuclear and Reactor Physics Fundamentals	BMETE80MX00	5	3	1				E	1
Thermal Hydraulics of Nuclear Power Plants	BMEEOTE	5	3	1				E	2
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
Optional Subjects		5							1
Specialization in Structures in Nuclear Power Plants									
Obligatory Subjects									
Nuclear Power Plants	BMETE80MF14	5	3	1				M	2
Extreme Actions on Structures	BMEEOHSM-A-1	3	2					E	2
Seismic Design	BMEEOHSM-T-3	4	2	1				M	2
Containment Building	BMEEOHSM-A-2	3	2					M	2
Elective Subjects		11							
Diploma Project	BMEEODHMT-D	20						M	3
Recommended Elective Subjects									
Structures in Nuclear Power Plants project	BMEEOHSM-A6P	5				2		M	2
Stability of Structures	BMEEOHSM-T-2	4	2	1				E	2
Structural Dynamics	BMEEOTMMN-1	4	2	1				M	2
Structures 2	BMEEOHSM-T-1	4	2	1				E	2
Applied Fracture Mechanics	BMEEOHSM-T61	4	2	1				M	2
Prestressing Technologies	BMEEOHSM-T62	3	1	1				M	2
Strengthening of Structures	BMEEOHSM-T63	3	1	1				M	2
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

		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
Dewatering	BMEEOVKMI53	3	2					M		2
Environmental economics (helyettesítő tárgy)	BMEGT42M400 (BMEGT42A011)	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	4	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	BMEEODHMF-D	20						M		3
Recommended Elective Subjects										
Design of Water-Use Structures	BMEEOVVMV61	4	2	1				M		2
Design of Water Damage Prevention Structures	BMEEOVVMV62	4	2	1				M		1
Groundwater	BMEEOVVMV63	3	2					M		2
Hydrography and Hydroinformatics	BMEEOVVMV64	5	2	2				M		2
Water and wastewater treatment plants	BMEEOVKMV61	3	2	1				M		2
Water quality management	BMEEOVKMV62	2	1	1				M		2
Public water utility systems modelling	BMEEOVKMV63	4	2	1				M		2
Reconstruction of public water utility systems	BMEEOVKMV64	3	2					M		1

Land Surveying and Geoinformatics Program

FROM 2021

	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E/S	Semester
Core Subjects									
Advanced Mathematics	BMETE90MX33	3	2	1				E	1
Physics Laboratory	BMETE11MX22	1			1			M	2
Methods of Engineering Analysis	BMEEOHSMK51	3	1	1				M	1
Numerical Methods	BMEEOFTMK51	4			3			M	1
Geophysics	BMEEOAFMF51	3	2					M	1
Land Management	BMEEOAFMF52	3	2					M	1
Adjustment calculations (MSc)	BMEEOAFMF53	4	2	1				E	1
Digital Earth	BMEEOFTMF51	5	2	1				E	1
Accounting, Controlling, Taxation	BMEGT35M014	2	2					M	3
Corporate Finance	BMEGT35M411	2	2					M	3
Engineering Ethics	BMEGT41M004	2	2					M	3
Optional Subjects		5							
Specialization in Land Surveying and Geoinformatics									
Obligatory Subjects									
GNSS Theory and Applications	BMEEOAFMF-1	5	2	1				E	2
Information Technologies	BMEEOFTMF-1	5	1	2				M	1
Automated Surveying	BMEEOAFMF-2	5	1	2				E	2
Applied Geoinformatics	BMEEOFTMF-2	5	1	2				M	2
Mapping Technologies	BMEEOFTMF-3	5	1	2				E	2
Recommended elective subjects		8	3	2					
Diploma project	BMEEODHMF-D	20							3
Recommended Elective Subjects									
Physical Geodesy and Gravimetry	BMEEOAFMF61	4	2	1				M	1
Geodetic Networks and Projections	BMEEOAFMF62	3	2					E	2
Intelligent Transportation Systems	BMEEOFTMF61	3	1	1				M	2
ITS Geoinformatics	BMEEOFTMF62	2				2		M	2

MSc program in Construction Information Technology Engineering

English Name	Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E****	Semester****
Core Subjects									
Numerical Methods	BMEEOAFMB51	4			2			E	1
Construction Information Technology Mathematics	BMETE90MX_63	3	2					E	1
Building Information Modelling	BMEEOFTMB51	3	2					M	1
Decision Support Methods	BMEEPEKMB51	2	2					M	1
Construction Information Technology Engineering Project	BMEEODHMB5P	6				2		M	1
BIM Modelling and Design	BMEEOFTMB52	5			4			E	2
Civil Engineering Automation, Modelling	BMEEOHSMB51	5	1	2				E	2
Construction Information Technology Programming	BMEVIAUM051	6	1	4				M	2
Complex Construction IT project	BMEEODHMB5K	6				2		M	2
Argumentation, Negotiation, Presentation	BMEGT41MB51	3	2					M	3
Technology Assessment	BMEGT41MB52	2	2					M	3
*** Diploma Project	BMEEODHMB-D	20				1		M	3
Obligatory and recommended Elective Subjects									
1 st Obligatory Elective Subject*		8	2	4				E	1
2 nd Obligatory Elective Subject*		4	1	2				M	1
1 st Recommended Elective Subject*		4	2	1				M	2
2 nd Recommended Elective Subject*		4	2	1				M	2
Optional Subjects	BMEEO	5						M	3

*Students with a BSc degree in Civil Engineering or Architecture (Student Group I.)

Obligatory Elective Subjects (at least 12 credits to complete)									
Programming	BMEVIEEM__B-1	8	2	4				E	1
Database Systems	BMEEOFTMB-1	4	1	2				M	1
Recommended Elective Subjects (at least 8 credits to complete)									
Structural Dynamics	BMEEOTMMN-1	4	2	1				M	2
Stability of Structures	BMEEOHSMT-2	4	2	1				E	2
FEM for Engineers	BMEEOTMMB-2	4	1	2				M	2
Numerical Methods in Geotechnics	BMEEOGMMB61	4	1		1			M	2
Automated Survey Systems	BMEEOAFMB61	4	1	2				M	2
Electrical Systems in Buildings	BMEVIVEM061	4	2					E	2
HVAC Basics	BMEGEÉÉÉ01	4	2					M	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				M	1
Finite Element Modelling	BMEEOTMMB-1	4	1	2				E	1
Recommended Elective Subjects (at least 8 credits to complete)									
Construction Management	BMEEPEKMB61	4	2	1				M	2
Civil Engineering Structures and Modelling	BMEEOHSMB61	4	2	1				M	2
Constructions of Buildings and Structures	BMEEOEMMB61	4	2	1				M	2
Modelling of Hydrosystems	BMEEOVVMV-1	4	2	1				M	2
Electrical Systems in Buildings	BMEVIVEM061	4	2					M	2
HVAC Basics	BMEGEÉÉÉ01	4	2					M	2

Optional Subjects

**	Optional subject - internship (at company)	BMEEODHMV02	5				20	M	3
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*The committee of the MSc program divides the students into groups according to their previous BSc studies in order to ur the output competences that are acquired with the completion of the master's program

**Any subject from other MSc programs of the University can be chosen.

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

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

*****Midterm grade/ Exam

2022/23 2nd Semester		MSc Specialization in Structural Engineering Fall Semester				
	Monday	Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Structures II. BMEEOHSMT-1 EA	Seismic Design BMEEOHSMT-3 EA	Strengthening of Str. BMEEOHSMT63	EN1 Numerical Methods	+Meth. of Eng. Analysis BMEEOHSMT62, K.f12	
9:15-10:00			EN1 Strengthening of Str		#EN1 Meth. of Eng. An.	
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		<i>EN2 Numerical Methods</i>		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					

2022/23 2nd Semester		MSc Specialization in Numerical Modelling Fall Semester				
	Monday	Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Stability of Structures BMEEOHSMT-2 EA			EN1 Numerical Mod. Pr. BMEEOTMMS5P K.mf78	+Meth. of Eng. Analysis BMEEOHSMT62, K.f12	
9:15-10:00				EN1 Numerical Methods	#EN1 Meth. of Eng. An.	
10:15-11:00	EN1 Stability of Structures 10-11		<i>EN2 Numerical Meth.</i>	An. of Rods&Frames BMEEOTMMN63		
11:15-12:00	Structural Dynamics BMEEOTMMN-1 EA	Nonlinear FEM BMEEOTMMN62 EA		EN1 An. of Rods&Frames	+EN1 Numerical Meth.	
12:15-13:00				Geodynamics BMEEOGMMS52 EA K.389		+EN2 Numerical Meth.
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		Hung.Lang.and Cult. SH 2. BMEGT60Z9H2	
15:15-16:00						Plasticity BMEEOTMMN61 EA
16:15-17:00	EN3 Numerical Methods			EN1 Plasticity		
17:15-18:00	16-19					
18:00-19:00						

2022/23 2nd Semester		MSc Specialization in Geotechnics and Geology Fall Semester				
	Monday	Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Eng. Geology MSc BMEEOGMMG-1 EA		Hydrogeology BMEEOGMMG62 EA	EN1 Numerical Methods	+Meth. of Eng. Analysis BMEEOHSMT62, K.f12	
9:15-10:00					#EN1 Meth. of Eng. An.	
10:15-11:00	EN1 Eng. Geology MSc		<i>EN2 Numerical Meth.</i>		+EN1 Numerical Meth.	
11:15-12:00	Earthworks of Infrastr. BMEEOGMMG-4 EA					
12:15-13:00		Eng. Geology of HU BMEEOGMMG64 EA	Geodynamics BMEEOGMMS51 EA	EN1 Geotech. projekt BMEEOGMMS5P	+EN2 Numerical Meth.	
13:15-14:00	EN1 Earthw. of Infrastr.					
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		

2022/23 2nd Semester		MSc Specialization in Highway and Railway Engineering Spring 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 Database Systems		+EN2 Numerical Meth.	
13:15-14:00						
14:15-15:00	Engin. works of infra. 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						

2022/23 2nd Semester		MSc Specialization in Water and Hydro-Environmental Engineering Spring Semester				
Monday		Tuesday	Wednesday	Thursday	Friday	
8:15-9:00	Groundwater BMEEOVVMV63 EA	Pub. water ut.Syst.Mod. BMEEOVKVM63 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 Pub. water ut.Syst.Mod.	EN2 Numerical Methods	EN1 Hydrogr. & Hydroinf.	EN1 Desg.of W.Use Str.	
11:15-12:00	EN1 Water quality manag.	Water&wastw.Treat.plan. BMEEOVKVM61 EA			+EN1 Numerical Meth.	
12:15-13:00	Dewatering BMEEOVKMI53 EA K.mf79		EN2 Database Systems	Hydromorphology BMEEOVVMV-2 EA	+EN2 Numerical Meth.	
13:15-14:00		Water&wastw.Treat.plan. EN1				
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	EN3 Numerical Methods					
17:15-18:00	16-19					
18-19						
19-20						

2022/23 2nd Semester		MSc Specialization in Land Surveying and Geoinformatics Spring 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					Hung.Lang.and Cult. SH 2. BMEGT60Z9H2	
15:15-16:00		Mapping Techn. BMEEOFTMF-3	Physic Laboratory BMETE11MX22 F32L1 3 times in the sem. EA1			
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

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:00				+C.E. Aut., Mod. BMEEOFTMB52	Con. Inf. Tech. Prog. BMEVIAUM__B51
9:15-10:00				# Con. Inf. Tech. Prog. BMEVIAUM B51	
10:15-11:00			Electrical Systems in Buil. BMEVIVEM__B61	C.E. Aut., Mod. BMEEOFTMB51	Con. Inf. Tech. Prog. BMEVIAUM__B51
11:15-12:00					
12:15-13:00			BIM Modelling and D. BMEEOFTMB52	HVAC Basics BMEGÉÉENÉ01	Complex Construction IT BMEEODHMB5K
13:15-14:00				Numerical Methods BMEEOAFMB51	
14:15-15:00					
15:15-16:00					
16:15-17:00					
17:15-18:00					