

Specialization in Structural Engineering							
Core and specialization 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
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
Economics and Humanities Subjects 1		3					1
FEM for Civil Engineers	BMEEOTMMsFST01-00	4	2	1		E	2
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	2
Engineering Risk Assessment	BMEEOHSMsFST05-00	3	1	1		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
Economics and Humanities Subjects 2		5					3
Master Thesis	BMEEOHSMsFST08-00	20		2		M	3
Compulsory elective							
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
Economics and Humanities Subjects	Expected semester for courses: F: fall; S: spring; B: both						
Management ^F	BMEGT20MW02	5	3			M	
Economic Analysis of Technology ^S	BMEGT30MS02	2	2			M	
Investments ^B	BMEGT35M004	2	2			M	
Accounting, Control, Taxation ^F	BMEGT35M014	2	2			M	
Corporate Finance ^F	BMEGT35M411	2	2			M	
Ethics for Engineers ^F	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation ^F	BMEGT41MB51	3	2			M	
Technology Theories ^F	BMEGT41MB52	2	2			M	
Environmental and Resource Management ^F	BMEGT42M003	2	2			M	
Economics of Sustainable Development ^S	BMEGT42M004	2	2			M	
Sustainable Business Model Design ^S	BMEGT42MN29	3	2			M	
Visual Communication ^F	BMEGT43M400	4	2	2		M	
Social and Visual Communication ^B	BMEGT43MS02	2	2			M	
Social and Visual Communication ^S	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology ^F	BMEGT52MS01	2	2			M	
Corporate Law ^S	BMEGT55M002	2	2			M	
Law of the Information Society ^F	BMEGT55M005	2	2			M	
E-law ^S	BMEGT55M400	3	2			M	
Economic Law of the EU ^B	BMEGT55MN02	3	2			M	

Specialization in Geotechnics							
Core and specialization 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
Environmental Geotechnics	BMEEOGMMsFST04-00	3	2			M	1
Economics and Humanities 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
Economics and Humanities Subjects 2		5					3
Master Thesis	BMEEOGMMsFST09-00	20		2		M	3
Compulsory elective							
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
Economics and Humanities Subjects		Expected semester for courses: F: fall; S: spring; B: both					
Management ^F	BMEGT20MW02	5	3			M	
Economic Analysis of Technology ^S	BMEGT30MS02	2	2			M	
Investments ^B	BMEGT35M004	2	2			M	
Accounting, Control, Taxation ^F	BMEGT35M014	2	2			M	
Corporate Finance ^F	BMEGT35M411	2	2			M	
Ethics for Engineers ^F	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation ^F	BMEGT41MB51	3	2			M	
Technology Theories ^F	BMEGT41MB52	2	2			M	
Environmental and Resource Management ^F	BMEGT42M003	2	2			M	
Economics of Sustainable Development ^S	BMEGT42M004	2	2			M	
Sustainable Business Model Design ^S	BMEGT42MN29	3	2			M	
Visual Communication ^{A^F}	BMEGT43M400	4	2	2		M	
Social and Visual Communication ^B	BMEGT43MS02	2	2			M	
Social and Visual Communication ^S	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology ^F	BMEGT52MS01	2	2			M	
Corporate Law ^S	BMEGT55M002	2	2			M	
Law of the Information Society ^F	BMEGT55M005	2	2			M	
E-law ^S	BMEGT55M400	3	2			M	
Economic Law of the EU ^B	BMEGT55MN02	3	2			M	

Specialization in Structures in Nuclear Power Plants							
Core and specialization 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
Nuclear and Reactor Physics Fundamentals	TE-töl jön	4	2	1		E	1
Seismic Design	BMEEOHSMsFST03-00	5	2	1		M	1
Extreme Actions on Structures	BMEEOHSMsFST21-00	4	2		1	E	1
Composite Structures	BMEEOHSMsFST09-00	3	2			M	1
Economics and Humanities Subjects 1	BMETE80MX00	3					1
Thermal Hydraulics of Nuclear Power Plants	BMETE80MX03	4	2	1		E	2
Numerical Methods	BMEEOAFMsFAL01-00	4			3	M	2
Engineering Risk Assessment	BMEEOHSMsFST05-00	3	1	1		M	2
Nuclear Power Plants	BMETE80MX04	5	2			E	2
Structures in Nuclear Power Plants Project	BMEEOHSMsFST22-00	5				M	2
Containment Building	BMEEOHSMsFST23-00	5	2	1		M	2
Compulsory Elective 1		3					2
Elective		5					3
Economics and Humanities Subjects 2		5					3
Master Thesis	BMEEOHSMsFST24-00	20				M	3
Compulsory elective							
Stability of Structures	BMEEOHSMsFST02-00	5	2	1		E	1
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
Geodynamics	BMEEOGMMsFST08-00	3	2			M	2
Nonlinear Mechanics	BMEEOTMMsFST03-00	3	2			E	2
Digital Twins of Structures	BMEEOHSMsFST14-00	3	1	1		M	2
Economics and Humanities Subjects		Expected semester for courses: F: fall; S: spring; B: both					
Management ^F	BMEGT20MW02	5	3			M	
Economic Analysis of Technology ^S	BMEGT30MS02	2	2			M	
Investments ^B	BMEGT35M004	2	2			M	
Accounting, Control, Taxation ^F	BMEGT35M014	2	2			M	
Corporate Finance ^F	BMEGT35M411	2	2			M	
Ethics for Engineers ^F	BMEGT41M004	2	2			M	
Argumentation, Negotiation, Presentation ^F	BMEGT41MB51	3	2			M	
Technology Theories ^F	BMEGT41MB52	2	2			M	
Environmental and Resource Management ^F	BMEGT42M003	2	2			M	
Economics of Sustainable Development ^S	BMEGT42M004	2	2			M	
Sustainable Business Model Design ^S	BMEGT42MN29	3	2			M	
Visual Communication ^A	BMEGT43M400	4	2	2		M	
Social and Visual Communication ^B	BMEGT43MS02	2	2			M	
Social and Visual Communication ^S	BMEGT43MS07	2	2			M	
Leadership and Applied Management Psychology ^F	BMEGT52MS01	2	2			M	
Corporate Law ^S	BMEGT55M002	2	2			M	
Law of the Information Society ^F	BMEGT55M005	2	2			M	
E-law ^S	BMEGT55M400	3	2			M	
Economic Law of the EU ^B	BMEGT55MN02	3	2			M	