

Specialization in Highway and Railway Engineering								
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
Compulsory elective								
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
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		

Specialization in Water and Hydro-Environmental Engineering								
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	
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 tre	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	
Compulsory elective								
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	
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 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		