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Sem.	Neptun code	Subject	Institution	Cr	L	Р	assign.	pre-requirement
1	GEMAK713MA	Computer sciences for engineers	Institute of Mathematics	2	0	2	Р	no
1	GEMAK712MA	Numerical methods and optimization	Institute of Mathematics	2	1	1	Р	no
1	MFFTT710008	Environmental geology	Institute of Mineralogy and Geology	4	2	1	Е	no
1	MFGGT710002	Geodesy, spatial informatics	Institute of Geophysics and Geoinformation Science	4	2	1	Е	no
1	MFFAT710005	Mineralogy and geochemistry	Institute of Mineralogy and Geology	4	2	1	Е	no
1	MFKHT710008	Soil mechanics	Institute of Environmental Management	4	2	1	E	no
1	MFFAT720007	Graduate research seminar	Institute of Mineralogy and Geology	2	0	1	Р	no
1	MFKHT720027	Waterworks, water supply	Institute of Environmental Management	3	1	1	Е	no
1	MFKHT710017	Hydrogeology	Institute of Environmental Management	5	2	2	E	no
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2	MFKHT720021	Groundwater prospecting, water resources management	Institute of Environmental Management	4	2	1	E	no
2	MFKHT720022	Applied and engineering hydrology	Institute of Environmental Management	2	1	1	Р	no
2	MFKHT720023	Water quality protection	Institute of Environmental Management	3	1	1	Е	no
2	MFGFT720024	Geophysics of exploration for water	Institute of Geophysics and Geoinformation Science	5	2	2	Е	no
2	MFKHT720025	Geotechnical engineering	Institute of Environmental Management	4	2	1	E	no
2	MFKHT726005	Vízkémia	Institute of Environmental Management	2	1	1	E	no
2	MFKHT720026	Hydrogeology of Hungary	Institute of Environmental Management	2	2	0	E	no
2	MFKGT710005	Fluid mechanics	Institute of Petroleum and Natural Gas Engineering	3	2	1	Е	no
2	MFKHT720028	GW flow and contaminant transport modeling	Institute of Environmental Management	5	2	2	E	Hydrogeology
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3	GTVVE7002MA	Quality management	Institute of Management Science	2	2	0	Е	no
3	MFFTT730027	Legal and economic studies with reg. to mining and geol.	Institute of Mineralogy and Geology	2	2	0	Е	no
3	MFKGT730021	Geotermics	Institute of Petroleum and Natural Gas Engineering	2	1	1	Е	no
3	MFKHT740021	Watermining	Institute of Environmental Management	3	2	0	Е	no
3	MFKHT730024	Hydrogeological interpretation	Institute of Environmental Management	2	1	1	Р	Hydrogeology
3	MFKOT730029	Drilling, deep drilling	Institute of Petroleum and Natural Gas Engineering	2	1	1	Р	no
3	MFEET730028	Water and waste water purification	Institute of Material Preparation and Environmental Processing	2	1	1	Р	no
3	MFKHT730026	Environmental risk assessment and remediation	Institute of Environmental Management	3	2	0	E	no
3	MFKHT730030	Environmental geotechnics	Institute of Environmental Management	2	1	1	E	Soil mechanics
3	MFKHT730033	Diploma work consultation		6	0	0	R	
3		Elective course		3				



	MS In Hydrogeological Engineering							
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3		Elective course		3				
				32				
4	MFKHT741010	Safety techniques and labor safety	Institute of Environmental Management	2	2	0	Е	no
4	GTVVE7041MA	Strategic management	Institute of Management Science	2	2	0	Е	Quality management
4	MFKHT740022	Diplom work consultation II.		24	0	0	R	
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Required number of credits	120
Number of semesters	4
Field practice	4 weeks (160 working hours)
Leader of the specialisation	Institute of Environmental Management
Subjects of the final	Hydrogeology and watermining
examination	Groundwater prospecting, water resources and Geotechnical engineering

The overall result of the	ZV=((A1+A2)/2+D)/2
final examination (ZV)	where
	D = the result of the thesis defense
	A1 = the result of oral examination (Hydrogeology and watermining)
	A2 = the result of oral examination (Groundwater prospecting, water resources and Geotechnical engineering)