
English-taught MSc in Infrastructural Engineering

Name of degree programme: MSc in Infrastructural Engineering

Academic level of degree: Master

Qualification obtained: Infrastructural Engineer

Duration of degree programme: 3 semesters

Necessary no. credits for degree: 90 credits

Curriculum (beginning in **Autumn** semester) *(For description of courses please click course code)*

Compulsory courses:

	Neptun code of course	Name of course	lessons / week	seminars / week	Laboratory / week	assessment type	credit points	semester
1.	AJNM_KMTA001	Noise and Vibration Control	2	0	1	e	4	1
2.	EKNM_KETA036	Sustainable settlements and transport	2	0	1	e	4	1
3.	EKNM_KETA037	Road and railway construction	2	0	1	e	4	1
4.	EKNM_KETA038	Hydraulic engineering	2	0	1	e	4	1
5..	EKNM_KETA045	Engineering publication and presentation	2	0	0	e	2	1
6.	EKNM_SETA017	Earthwork	3	0	0	e	4	1
7.	EKNM_SETA019	Engineering Ethics	2	0	0	a	2	1

8.	EKNM_SETA035	Mechanics for Civil Engineering	3	0	0	e	4	1
9.	EKNM_SETA016	Tunnels	3	0	0	e	4	2
10.	EKNM_SETA018	Bridge construction	3	0	0	e	4	2
11.	GKNM_MSTA003	Numerical Analysis	2	0	2	e	4	3
12.	EKNM_KETA099	Final year project	0	0	0	a	20	3
13.	EKNM_SETA099	Final year project	0	0	0	a	20	3
14.	EKNM_KETA042	Road design and traffic engineering**	2	0	1	e	4	2
15.	EKNM_KETA041	Road pavements**	2	0	1	e	4	3
16.	EKNM_KETA043	Case studies in railway construction**	2	0	1	a	3	2
17.	EKNM_SETA021	Geotechnical structures and technologies**	2	0	1	e	4	2
18.	EKNM_SETA020	Case studies in geotechnics**	2	0	1	a	3	3

Hungarian Language (compulsory)

Nr.	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type *	credit points
1	KGNB_NOKA036	Hungarian Language & Culture 1	0	3	a	0
2	KGNB_NOKA037	Hungarian Language & Culture 2	0	3	a	0

Free optional courses

12 credit points should be obtained from this group of courses.

Nr.	Neptun code of course	Name of course	lessons / week	seminars / week	Laboratory / week	assessment type *	credit points
1.	EKNM_KETA039	Pedestrian and cycle traffic	2	0	1	e	4
2.	EKNM_KETA019	Traffic safety	2	0	1	e	4
3.	EKNM_KETA040	Road construction materials	2	0	1	e	4
4.	EKNM_KETA044	Railway track diagnostics	2	0	1	e	4
5.	EKNM_KETA048	Civil 3D	3	0	3	e	4
6.	EKNM_SETA022	Geotechnical design I.	2	0	1	e	4
7.	EKNM_SETA023	Geotechnical design II.	2	0	1	e	4
8.	EKNM_SETA024	Advanced soil mechanics	2	0	1	e	4
9.	EKNM_SETA025	Soil investigation and testing	2	0	1	e	4
10.	EKNM_SETA026	Seismic design	2	0	1	e	4

* type of assessment

a - evaluation based on student's performance and work during the semester

e - evaluation based on student's exam grade in a 5-grade system:

excellent (5) – good (4) – satisfactory (3) – passed (2) – fail (1)

** compulsory course for specialization

Please find details of **thesis** and **final exams** on:

<https://kep.sze.hu/diplomamunkak/infrastruktura-epitomernoki-msc-kivonat-zarovizsga-szabalyzat>



Programme supervisor: Dr Attila Borsos

CV: <https://kep.sze.hu/addressbook/person/id/1669/m/10984>

Information about **admission procedure:** <http://admissions.sze.hu/>