

Where to Continue with my BSc Degree?

Running programs

- Engineering Management MSc (<https://eng.unideb.hu/en/node/186>)
- Mechanical Engineering MSc (<https://eng.unideb.hu/en/node/187>)
- Mechatronical Engineering MSc (<https://eng.unideb.hu/en/node/188>)

New programs from 2019 September

- Environmental Engineering MSc (<https://eng.unideb.hu/en/environmental-engineering-msc>)
- Urban Systems Engineering MSc (<https://eng.unideb.hu/en/urban-systems-engineering-msc>)

For each master's program it is defined by the Higher Education Act what kind of studies are required from earlier studies (from BSc or from possible MSc trainings).

Depending on earlier studies of the applicant one of the following cases will apply to her/him:

1. The applicant obtained a Bachelor degree in a certain field and he/she selects the same Master's program (for e.g. with a Mechanical Engineering BSc degree you apply for Mechanical Engineering MSc). In this case credit points can fully be recognized and the application is accepted (without having to complete pre-masters courses).

2. The applicant obtained a Bachelor degree in a certain field and he/she selects a different Master's program (for e.g. with a Mechanical Engineering BSc degree he/she applies for Mechatronical Engineering MSc). In this case the Department responsible for the program will check his/her BSc transcript (the completed subjects), compare it with the prerequisites defined in the "Educational and Outcome Requirements" of the program, and fill out the form *Decision about Credit Recognition* in which the Department either accepts or refuses the application as follows:

a. If the applicant **fulfils** the prerequisites defined in the "Educational and Outcome Requirements" of the program, the Department states in the *Decision about Credit Recognition* that the application is **accepted and no further discipline-bringing courses** should be completed.

b. If the applicant **nearly fulfils** the prerequisites defined in the "Educational and Outcome Requirements" of the program, the Department states in the *Decision about Credit Recognition* that the application is **accepted**, the applicant may start his/her studies if he/she agrees to completing the **specified pre-masters courses** in his/her first academic year.

c. If the obtained Bachelor degree of the applicant is **very far** from the science field of the selected Master's program, it can happen that the prerequisites defined in the "Educational and Outcome Requirements" of the program cannot be fulfilled not even by completing pre-masters courses. In this case the Department **refuses** the application.

Please find below the prerequisites defined in the "Educational and Outcome Requirements" of each program with reference to the following:

1. Bachelor's degrees with full credit point recognition
2. How many completed credit points can be taken into account and from which fields
3. Relation of the completed credit points and application

Entry requirements for MSc programs

Environmental Engineering MSc

Credit points can fully be recognized from: Environmental Engineering Bachelor's degree

Completed credit points can be taken into account from following fields:

- Basics of Natural Sciences (Mathematics: at least 4 credit points, Physics: at least 4 credit points, Chemistry: at least 4 credit points; Biology-Ecology: at least 4 credit points): at least 20 credit points;
- Economics and Humanities (Economics, Environmental Law, Management, Organisation, Project Management, Engineering Communication, Social Sciences): at least 10 credit points;
- Field-Specific Professional Skills [General Engineering Knowledge, Health Protection and Work Safety, Analytics and Measurement, Environmental Sciences (Pedology, Technical Chemistry, Environmental Biotechnology); Protection of Environmental Elements (Water Quality Protection, Wastewater Treatment, Air Protection, Soil Protection, Waste Management, Noise and Vibration Protection, Radiation Protection, Natural Environment Protection); Analysis of Environment (Environmental Informatics, Environment Condition Assessment, Environment Management): at least 30 credit points

	Application accepted without specification of pre-masters courses	Application accepted with specification of pre-masters courses	Application not accepted
In case of any BSc degree	over 60 credit points	30-59 credit points	0-29 credit points

Students with a minimum of 30 credit points from previous studies can start their studies on Environmental Engineering MSc. Missing credits should be obtained in the first two semesters of the program.

Entry requirements for Environmental Engineering Master's Program

Entry requirements for Environmental Engineering Master's Program				
Type of Bachelor's (BSc) Degree of Applicant	The following subjects have been recognized from earlier studies			Pre-masters courses should be completed
	<i>Natural Sciences</i>	<i>Economic and Human Sciences</i>	<i>Environmental Engineering Professional Knowledge</i>	
	[including at least 4 credits from Mathematics, at least 4 credits from Physics, at least 4 credits from Chemistry, at least 4 credits from Biology and Ecology]	[Economics, Environmental Law, Management, Organization, Project Management, Engineering Communication, Social Sciences]	[General Engineering Knowledge, Health Protection and Work Safety, Analytics and Measurement, Environmental Sciences (Soil Science, Environmental Chemistry, Environmental Biotechnology); Protection of Environmental Elements (Water Quality Protection, Wastewater Treatment, Air Pollution Management and Control, Soil Protection, Waste Management, Noise and Vibration Protection, Radiation Protection, Natural Environment Protection); Analysis of Environment (in the field of Environmental Engineering (Environmental Informatics, Assessment on the State of Environment); Environmental Management]	
Environmental Engineering Bachelor's (BSc) Degree	20	10	30	<i>No further discipline-bridging courses should be completed</i>
Other Bachelor's (BSc) Degrees	20	10	10	20 credit points: - Environmental Elements and Their Protection I (Water and Soil Protection): 5 credit points - Environmental Elements and Their Protection II (Air and Noise Protection, Waste Management): 5 credit points - Analysis of Environment (Analytical Chemistry, Applied Biology and Environmental Analysis): 5 credit points - Environmental Techniques and Energetics (Environmental Operations and Technologies, Energetics): 5 credit points

Pre-masters courses:

Pre-masters courses on Environmental Engineering Master Program	Content of pre-masters courses	Credit points	Codes	Semester	Evaluation
Environmental Elements and Their Protection I	Water and Soil Protection	5	MK7EEP1K05KX19-EN	2	msg
Environmental Elements and Their Protection II	Air and Noise Protection, Waste Management	5	MK7EEP2K05KX19-EN	2	msg
Analysis of Environment	Analytical Chemistry, Applied Biology and Environmental Analysis	5	MK7AENVK05KX19-EN	1	msg
Environmental Techniques and Energetics	Environmental Operations and Technologies, Energetics	5	MK7ETENK05KX19-EN	1	msg

msg: mid-semester grade

Each pre-masters course will be carried out in 10-hour sections/semester.

Schedule for Pre-Masters Courses on Environmental Engineering MSc in 2019-20/1st semester

(Reporting Period I: 21 - 25 October 2019: 5 working days without scheduled lessons, consultation schedule announced previously)

	21/10/2019	22/10/2019	23/10/2019	24/10/2019	25/10/2019		
Time	Monday	Tuesday	Wednesday	Thursday	Friday		
8-9	Analysis of Environment pre-masters lecture MK7AENVK05KX19-EN Dr Ildikó Bodnár Room 314 (Faculty of Engineering)	Analysis of Environment pre-masters lecture MK7AENVK05KX19-EN Dr Ildikó Bodnár Room 314 (Faculty of Engineering)	National Holiday				
9-10							
10-11	Environmental Techniques and Energetics pre-masters course MK7ETENK05KX19-EN Ms Andrea Izbéki-Szabolcsik Room 314 (Faculty of Engineering)	Environmental Techniques and Energetics pre-masters course MK7ETENK05KX19-EN Mr Lajos Gulyás Room 118 (Faculty of Engineering)		National Holiday	Analysis of Environment pre-masters laboratory practice (block practical session in 6 hours) (compulsory with lab test!) MK7AENVK05KX19-EN Dr Ildikó Bodnár Ms Andrea Izbéki-Szabolcsik Ms Alexandra Truzsi Room 218 Laboratory (Faculty of Engineering)		
11-12							
12-13							
13-14	Environmental Techniques and Energetics pre-masters course MK7ETENK05KX19-EN Mr Lajos Gulyás Room 314 (Faculty of Engineering)						
14-15							
15-16							

Requirements:

Written test based on the theoretical part of both pre-masters courses. Time: during Reporting Period II (9-13 December 2019: 5 working days without scheduled lessons, consultation schedule announced previously)