

Energy Management Specialist Postgraduate

training program

For students who start in the fall semester of 2024/2025

Energy Management Specialist Postgraduate Program

Valid: for students starting their studies in the 2024/2025/1

General Information:

Person responsible for the major: László Szabó

Place of the training: Budapest

Training schedule: correspondence

Language of the programme: Hungarian, English

Training and outcome requirements:

- 1. Name of the specialist postgraduate programme:** Energy management specialist postgraduate programme
- 2. Name of the qualification in the diploma:** Energy management specialist
- 3. The field of study of the specialist postgraduate programme:** business and management sciences
- 4. Admission shall be subject to:** At least a Bachelor's degree.
- 5. Duration of the programme:** 2 semesters
- 6. Number of credits to be accumulated for the qualification:** 60 credits
- 7. The competences, knowledge elements, skills, personal aptitudes and abilities to be acquired during the programme, the application of the qualification in a concrete context, in a system of activities:**

The competences, knowledge elements, skills to be acquired during the programme:

- learning sector-specific management and leadership skills;
- theoretical proficiency in economics;
- the solid practical application of the methodology;
- developing knowledge and skills related to the strategic and operational tasks of energy companies;
- analytical thinking;
- a proactive mindset;
- learning the basic concepts of directly related fields of activity in the supply chain, beyond their own activities;
- case studies;
- problem-oriented decision-making methods;
- learning how each energy sector works;
- learning about the methodology of economic analysis;
- interpreting the results of structured models.

Personal talents, skills:

- interactive skills;
- management skills;
- systems theory;
- analytical skills;
- problem-solving skills;
- independent decision-making.

The application of the qualification in a concrete context, in a system of activities:

In addition to the knowledge of relevant regulations, economic impacts and trends, international requirements and European standards, the degree will enable professionals to acquire a high degree of proficiency in the use of sectoral economic specifications and tools, and to develop a systems approach, problem solving, decision making, a proactive and results-oriented approach, and the ability to perform managerial and professional tasks specific to the energy sector.

8. The areas of expertise relevant to the qualification and the credit values assigned to the main elements:

Fundamental theoretical subjects: 16 credits

Microeconomics of the energy sector, market structures in the energy sector, public regulation in the energy sector, national and EU sectoral law, competition law and tax law.

Methodological skills related to the profession: 12 credits

Methodological skills, accounting and controlling in the energy sector, investment analysis and financial analysis in the energy sector.

Energy management knowledge related to the profession: 22 credits

The economics of the electricity sector, the economics of the natural gas sector, the economics of renewable energy and district heating, sector-specific environmental regulation, the international and social context of the energy sectors, security of supply, demand-side management.

9. The credit value of thesis: 10 credits

10. Rigorosum

Rigorosum on the natural gas sector: Economics of the natural gas sector I - II. Rigorosum on the electricity sector: Economics of the electricity sector I - II. Rigorosum on state regulation: State regulation in the energy sector I - II.

11. Degree thesis

The aim of the degree thesis is to demonstrate the student's knowledge and professional expertise in a topic of his/her own choice, in collecting scientific data related to the chosen topic, systematising, analysing and processing them, in discussing the chosen phenomenon or problem, in developing hypotheses, in solving problems, in analysing alternative hypotheses, in reasoning and refuting counter-arguments, and in expressing his/her thoughts, views, positions and statements in a coherent, consistent manner that is sophisticated in terms of language use.

12. Type of thesis

Research thesis

13. Requirements for issuing the final certificate

The University shall grant a final certificate to a student who

- fulfilled the study and examination requirements set out in the curriculum, and
- earned the required credits.

14. Conditions for being admitted to the final examination

The conditions of admitting a student to the final examination are:

- a) the award of the final certificate,
- b) the submission of the thesis by the deadline,
- c) the evaluation of the thesis with a grade other than fail,
- d) the registration for the final examination by the relevant deadline,
- e) the student does not have any payment obligation towards the University in the given programme,
- f) the student has accounted for all items belonging to the University (books borrowed, sports equipment, etc.).

Students who have not fulfilled any one of the provisions included in points a)-f) may not be admitted to the final examination.

15. Parts of the final examination

The final examination consists of the defence of the thesis.

16. Establishing the result of the final examination

The arithmetic average of the following two grades, calculated to two decimal places:

- a) The grade for the thesis awarded by the referee(s) on a five-grade scale, in the case of more than one referee, the average of the grades given by the referees rounded to two decimal places and
- b) the grade received for defending the thesis and for answering the questions related to the thesis, graded on a five-grade scale.

17. Components of diploma rating, method of calculation

The result of the diploma shall be constituted of the arithmetic average of the following items, rounded to two decimal places:

- a) the average of the grades received for the rigorosum, and
- b) the result (grade) of the final examination.

18. Criteria for issuing the diploma

The precondition of issuing the diploma certifying the completion of studies in higher education is a successful final examination.

SLENSP22ABP, SLENSK22ABP - Energy Market Specialist / Energy Market Economist postgraduate specialisation programme in Budapest, in English, part-time training Curriculum for 2024/2025. (1.) fall semester for beginning students

Subject Code	Subject Name	Type	Number of hours per semester		credit	Evaluation	Fall or Spring Semester	2024/25 Academic year		credit	Subject responsible	Institute	Requirement		Equivalent subject		PSS
			lecture	seminar				1	2				Code	Name	Code	Name	
								Fall semester	Spring semester								
Compulsory subjects																	
REKK012LASB	Microeconomics with Energy Sector Applications	C	0	22	4	ex	fall	4		4	Adrienn Selei	Institute of Economics					
REKK013LASB	Industrial Organization in the Energy Sector	C	0	20	3	ex	fall	3		3	Adrienn Selei	Institute of Economics					
REKK014LASB	Economic regulation in the energy sector I.	C	0	14	3	ex	fall	3		3	Lajos Kerekes	Regional Centre for Energy Policy Research					
REKK015LASB	Economic regulation in the energy sector II.	C	0	14	3	rig	spring		3	3	Lajos Kerekes	Regional Centre for Energy Policy Research					
REKK016LASB	Energy law	C	0	20	3	ex	fall	3		3		Regional Centre for Energy Policy Research					
REKK017LASB	Statistical methods in energy markets I.	C	0	16	3	ex	fall	3		3		Regional Centre for Energy Policy Research					
REKK018LASB	Statistical methods in energy markets II.	C	0	20	3	ex	spring		3	3		Regional Centre for Energy Policy Research					
REKK019LASB	Accounting in the utility and energy sector	C	0	18	3	ex	fall	3		3	András Mezősi	Regional Centre for Energy Policy Research					
REKK020LASB	Investment and Financial Analysis in the Energy Sector	C	0	14	3	ex	spring		3	3	András Mezősi	Regional Centre for Energy Policy Research					
REKK021LASB	Economics of electricity markets I.	C	0	14	4	ex	fall	4		4	Lajos Kerekes	Regional Centre for Energy Policy Research					
REKK022LASB	Economics of electricity markets II.	C	0	22	4	rig	spring		4	4	Lajos Kerekes	Regional Centre for Energy Policy Research					
REKK023LASB	Economics of natural gas markets I.	C	0	14	3	ex	fall	3		3	Borbála Takácsné Tóth	Regional Centre for Energy Policy Research					
REKK024LASB	Economics of natural gas markets II.	C	0	16	4	rig	spring		4	4	Borbála Takácsné Tóth	Regional Centre for Energy Policy Research					
REKK025LASB	Economics of Renewable Energy	C	0	22	4	ex	spring		4	4	László Szabó	Regional Centre for Energy Policy Research					
REKK026LASB	Energy Policy	C	0	16	3	ex	spring		3	3	László Szabó	Regional Centre for Energy Policy Research					
REKK027LASB	Thesis seminar	C	0	20	10	pg	spring		10	10	László Szabó	Regional Centre for Energy Policy Research					
In total								26	34	60							

Remarks

Type: C-core courses, CE-core elective courses, E-elective courses

Methods of assessment: ex- exam (exam at the end of the semester, but other forms of assessment are possible during the semester), pg- grade based on coursework, s- signature, ce- comprehensive examination, rig- rigorosum

A subject that can be completed in a preferential study schedule (PPS) on the basis of Section 92 of the Study and Examination Regulation (SER)

Curriculum

Students are recommended to follow the sample curriculum when deciding when to enrol in each subject. Students may deviate from this, taking into account:

1. the prerequisites of the subject
2. semester of announcing subjects
3. completion of an average of 30 credits per semester

In addition to the core, students should take elective subjects from a wide variety available on Neptun, and may take foreign languages as well.

A minimum of 2/3 of the required amount of credits must be completed at Corvinus University.

The detailed rules related to the admission of the subjects and the completion of the subjects are included in the Study and Examination Regulations!

Please note that curriculum changes are possible!