

# **Advanced Supply Chain Management Master's Program**

**training program**

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

## Advanced Supply Chain Management Master's Program

Valid: for students starting in semester 2024/2025/1

General information:

**Supervisor:** Judit Nagy, Associate Professor

**Training location:** in Budapest

**Working hours:** full-time

**Training language:** english

**Whether you are enrolled in dual training:** no

Specialisations:

No specialisation.

Training and output requirements

**1. Title of the Master's programme in Hungarian:** haladó ellátásilánc-menedzsment

**Title of the Master's programme in English:** Advanced Supply Chain Management Programme

**2. The name of the qualification that can be obtained in the Master's degree programme:**

- qualification tilte in Hungarian: okleveles ellátásihálózat-menedzser

- qualification tilte in English: Supply Network Manager

**3. Classification of the Master's degree:**

**3.1. field of training:** economics field of training

**3.2. the classification of the level of education:**

- Master's degree (magister, master of science, abbreviation: MSc)

- According to ISCED 2011: 7

- under the European framework: 7

- according to the Hungarian Qualifications Framework: 7

**3.3. Classification of fields of study according to the ISCED-F 2013 classification of fields of education:** 0413

**3.4. orientation classification:** balanced (40-60 percent)

**4. Duration of training in semesters:** 2 semesters

**5. Number of credits required to obtain the qualification:** 60 credits

**6. Training objectives and professional competences, learning outcomes:**

**6.1. The aim of the training is:**

The aim of the training is to train supply network managers who are able to manage the company logistics system and the supply chains and networks across companies by understanding the interrelationships of integrated corporate logistics management. With the necessary theoretical knowledge and knowledge of modern practical solutions, they are able to plan, analyse, develop and effectively manage logistics processes within and between companies. They are prepared to continue their studies at doctoral level.

**6.2. The professional competences to be acquired:**

**6.2.1. The graduates**

**a) knowledge:**

- Mastered the concepts, theories, processes and characteristics of economics and the micro and macro organization levels of the economy, knows the relevant economic facts

- Understands the structure and operations of economic organizations and their relationship networks extending over domestic and national borders, their informational and motivational factors, especially the institutional environment.

- Knows the European integration process and the policies related to the activities of the European Union

- Knows the methods of problem recognition, formulation and solving, the methods of modern, theoretically sound mathematical statistical, econometric modeling used for collecting and processing data, knowing their limits as well. Knows the project planning and management rules and the professional and ethical standards of the enterprise or business organization.

- Knows and understands the business and technical processes that affect the company's logistics processes, as well as those affecting the operation of the supply chain

- Knows the important research trends in the field of logistics and supply chain management, their conceptual framework and the methodological foundations necessary for research

- Knows the toolset of modern business solutions of supply chain management in detail, and the IT solutions supporting the efficient management of the supply chain

- Knows well the internal structure of the logistics system, the planning, analysis and development methods and procedures of purchasing and logistics processes and systems

- Knows the techniques suitable for evaluating the performance of logistics, its subsystems and the supply chain

**b) skills**

- Recognizes the expected impact of macro-level relationships in specific decision-making situations, during the solution of the emerging problem.opportunities and threats that influence the company's decisions.

- Independently formulates new conclusions, original ideas and solutions, is able to apply sophisticated analysis and modeling methods, develops strategies for solving complex problems, and makes decisions in a changing domestic and international environment, as well as in the organizational culture

- Runs a medium or large business, complex organizational unit after gaining practical knowledge and experience, performs a business function in a business organization, plans and manages complex business processes, manages resources. Able to work effectively in an international, multicultural environment.

- Presents a specific company (its structure, domestic and cross-border network of contacts, etc.). Capable to formulate logistics developments and objectives supporting corporate competitiveness.

- Able to effectively coordinate the expectations and performance of the purchasing and logistics process with other corporate functions

- Able to manage and develop corporate logistics processes by taking a systems approach and placing processes into the center
- Capable to specify more efficient supply chain management tools in a company-specific way. Able to perform financial analysis and evaluation of supply chain processes.
- Able to work independently in key research areas of logistics and supply chain management to formulate a research problem and to carry out the research.
- Able to adapt to the changes caused by digital technology in the world. Is able to use the modern tools of digital technology. Able to navigate among IT tools and select the one that best suits the supply chain problem.

**c) attitude**

- Has a critical attitude towards their own and their subordinates' work and behavior, and exhibits innovative and proactive attitude in dealing with economic problems.
- Open and receptive to new results of economic science and practice.
- Characterized by a cultured, ethical and objective intellectual attitude towards people, and their approach to social problems, pays attention to the wider scope of social, sectoral, regional, national and European values (including social, ecological, sustainability aspects as well) during his work
- Strives to develop their knowledge and working relationships, and encourages, helps and supports their subordinates and colleagues to do the same
- Committed to quality work.
- Open and inclusive towards the possibilities of supply chain management, towards the new results of practice, as well as towards the changes concerning the field of socio-economic-legal environment
- Open to the changes caused by global digital technology.

**d) autonomy and responsibility**

- Independently selects and applies relevant problem-solving methods, independently performs economic analyst, decision support, consultant tasks in significant areas in organizational policy, strategy and management
- Independently establishes, organizes and manages a larger enterprise or larger organization, organizational unit as well.
- Takes responsibility for their own work, for the organization they manage, for their business, for the employees. Independently identifies, plans and organizes the professional and general development of themselves and their employees, assumes and bears responsibility for them
- Independently selects and applies the relevant supply chain management problem-solving methods in the course of solving professional tasks
- Mobilizes their acquired knowledge, practical experience, abilities and skills by joining research and project groups and cooperating with the members of the groups
- Represents, keeps and upholds the organization's ethical standards, and initiates their further development if necessary

**7. The professional characteristics of the Master's degree, the fields of specialisation leading to the qualification and the credit units from which the degree is structured:**

**7.1. Core process-related knowledge: 16-24 credits**

Purchasing skills, production and service skills

**Knowledge of network processes: 24-32 credits**

Logistics skills, distribution skills, supply chain skills (networks, planning, controlling, finance, strategy)

**7.2. Credit value assigned to the thesis or dissertation: 9 credits**

**7.3. Minimum number of credits for electives: 3 credits**

**8. Requirements for apprenticeships and practical training:**

The requirements for the traineeship are set out in the training curriculum.

**9. Specific features that distinguish the training: -**

**10. For studies in a foreign language, the level of foreign language proficiency to be achieved is: -**

**11. Thesis**

The aim of the thesis is to demonstrate the student's knowledge and expertise in a topic of his/her choice, in the collection, systematisation, analysis and processing of scientific data related to the chosen topic, and in the discussion of the phenomenon or problem chosen, hypothesising, problem-solving, analysing alternative hypotheses, arguing and refuting counter-arguments, and expressing ideas, views, positions and messages in a coherent, consistent and linguistically sound written form.

**12. Type of the thesis**

Research thesis.

Project thesis.

**13. Requirements for the issue of the final certificate**

The University shall issue a final certificate to a student who has

- met the academic and examination requirements determined in the curriculum and
- obtained the required number of credits.

issue a final certificate.

**14. Conditions for admission to the final exam**

Joint conditions for admission to the final exam:

- a) the student has obtained the final certificate,
- b) the student has submitted the thesis by the deadline,
- c) the thesis has been assessed and awarded a mark other than insufficient by the deadline,
- d) the student has applied for the final exam by the deadline,
- e) the student owes no overdue debt owed to the University in the given programme,
- f) the student has accounted for the assets of the University (e.g. books, sports equipment, etc. borrowed).

A student who has not fulfilled any of the conditions in paragraphs a) - f) may not be admitted to the final exam.

**15. The part of the final exam**

The final exam consists of a defence of the thesis and a written complex exam.

**16. Complex exam topics**

Subjects of professional compulsory subjects.

**17. Final examination results**

The arithmetic mean of the following three marks rounded to two decimal places:

- a) the mark awarded to the thesis by the assessor(s), determined by a five-point scale, the average of the marks awarded by the assessor(s), rounded to two decimal places, and the
- b) the mark awarded for the thesis defence, for the answer to the questions relating to the thesis, with a grade of five
- c) the mark awarded for the complex exam, with a grade of five

**18. Components of the diploma grade, method of calculation**

The grade of the diploma is the arithmetic mean of the following two grades, rounded to two decimal places:

- a) the credit-weighted average of the grades of the compulsory subjects and compulsory elective subjects completed in the number of credits prescribed by the curriculum, and
- b) a final examination result (grade).

**19. Conditions for issuing diploma**

The award of a diploma attesting the completion of higher education studies is subject to the successful completion of a final examination.

**MNHAEL24ABP - Advanced Supply Chain Management master programme in Budapest, in English, full time training Curriculum for 2024/25 (1.) fall semester for beginning students**

Subject Code	Subject Name	Type	Number of classes per week		Credits	Evaluation	Fall or Spring Semester	2024/25 Academic year		Credit	Course leader	Institute	Requirement		Equivalent subject		PSO
			Lecture	Seminar				1	2				Code	Name	Code	Name	
								Fall	Spring								
<b>Core courses</b>																	
OPDO010NAMB	Purchasing and Supply Management	C	0	4	6	pg	fall	6			Gyöngyike Vörösmarty	Institute of Operations and Decision Sciences					yes
OPDO011NAMB	Operations Strategy and Research	C	2	2	6	ex	fall	6			Zsolt Matyusz	Institute of Operations and Decision Sciences					yes
OPDO012NAMB	Law of Logistics	C	0	2	3	ex	fall	3			Dániel Bán	Institute of Accounting and Law					yes
OPDO013NAMB	Logistics and Distribution Management	C	0	4	6	ex	fall	6			Judit Nagy	Institute of Operations and Decision Sciences					yes
OPDO014NAMB	Smart Manufacturing and Operations	C	0	4	6	ex	fall	6			Dávid István Losonci	Institute of Operations and Decision Sciences					yes
OPDO015NAMB	Supply Chain Planning	C	0	4	6	ex	spring		6		Judit Nagy	Institute of Operations and Decision Sciences					yes
VALL003NAMB	Supply Chain Controlling and Finance	C	0	4	6	ex	spring		6		Zsolt Matyusz	Institute of Operations and Decision Sciences					yes
OPDO017NAMB	Supply Network Design for the 22nd Century	C	0	13*	3	ex	spring intensive week		3		Orsolya Diófási-Kovács	Institute of Operations and Decision Sciences					yes
OPDO016NAMB	Supply Chain Strategy	C	0	4	6	ex	spring		6		Andrea Gelei	Institute of Operations and Decision Sciences					yes
<b>Thesis, Internship</b>																	
OPDO043NAMB	Thesis Seminar basics	C			3	pg	spring		3		Zsolt Matyusz	Institute of Operations and Decision Sciences					yes
OPDO044NAMB	Thesis Seminar advanced	C			6	pg	spring		6		Zsolt Matyusz	Institute of Operations and Decision Sciences					yes
<b>Elective courses</b>																	
TS00001NMMB	Sports/Physical Education	E	0	2	2	pg	fall	2			Csaba Vladár	Centre for Physical Educations and Sports					
	Foreign language	E	0	4	0	s	fall, spring					Centre of Foreign Language Education and Research					
	Elective courses	E					fall	3									
<b>Total credits</b>																	
								<b>30</b>	<b>30</b>	<b>60</b>							

**Remarks**

Type: C=compulsory courses, CE=core elective courses, E=elective (optional) 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 the practical assignments given during the course of the semester, s=signature

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

**Physical education**

Students wishing to take part in sport can take one semester without paying a fee and the following semesters the students can only take physical education with the payment of a specified fee.

**Foreign language**

During their studies, students can learn a language in the form of paid subjects within the framework of elective subjects.

**Curriculum**

It is recommended to include the subjects in the schedule according to the sample curriculum. The student may deviate from this, taking into account:

1. the pre-study order,
2. semester of announcing subjects
3. Completion of an average of 30 credits per semester
4. In addition to the compulsory subjects, students may take elective subjects from the offer of elective subjects (see Neptun) as well as foreign languages.
5. A minimum of 2/3 of the required amount of credit must be completed at Corvinus University.

\* Subject takes place on the intensive week of the respective semester, intensive week length: 1 week, 13 hours

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!