

Economic Analysis Master's program

Training program description

For students who start in the fall semester of 2021/2022.

Economic Analysis Master's program

Valid: For students starting their studies in the 2021/2022/1 semester

Updated: 25/05/2022

General Informations:

Person responsible for the major: Álmos Telegdy

Place of the training: Budapest

Training schedule: full-time

Language of the training: Hungarian, English

Is it offered as dual training: no

Specializations:

- Name of specialisation:** Industrial Organization Analyst Specialization
- Name of specialisation:** Macroeconomic Analyst Specialization

Training and outcome requirements:

- Master's degree title:** Economic Analysis (közgazdasági elemző)
- The level of qualification attainable in the Master's programme, and the title of the certification**
 - qualification level: master- (magister, abbreviation: MSc)
 - qualification in Hungarian: okleveles közgazdasági elemző
 - qualification in English: Economic Analyst
- Training area: economics**
- Degrees accepted for admittance into the Master's programme**
 - 4.1. Accepted with the complete credit value: the applied economics and economic and financial mathematical analysis undergraduate programmes.
 - 4.2. May be primarily considered with the completion of the credits defined in section 9.3: from the economic sciences field, the Human Resources, Economics and Management, Commerce and Marketing, International Economics, Finance and Accounting, Tourism and Catering, Vocational Instruction in Business undergraduate degrees, and from the informatics field, the Business Informatics Engineer undergraduate degree.
 - 4.3. May also be considered with the completion of the credits defined in section 9.3: undergraduate and Master's courses and courses as defined as per Act LXXX of 1993 on higher education that are accepted by the higher education institution's credit transfer committee based on a comparison of the studies that serve as the basis of the credits.
- Training duration, in semesters:** 4 semesters
- The number of credits to be completed for the Master's degree: 120 credits**
 - degree orientation: theory oriented (60-70 percent)
 - thesis credit value: 15 credits
 - minimum credit value of optional courses: 6 credits
- International Standard Classification of Education field of education code:** 314
- Master's degree training objectives and professional competences**

The objective of the programme is the training of economic analyst experts who, in based on their education in economic science and knowledge that is competitive in the European and the world markets, in possession of their theoretical and methodological skills, are capable of performing independent, creative thinking with an economist's view and performing applied economic science analyses and research in the academic, state, and private spheres. They are prepared to continue their training at the PhD level.

8.1. Attained professional competences

8.1.1. The economist with an economic analyst degree has

a) knowledge

- Has mastered the concepts, theories, processes, and characteristics of economic science and the micro and macro organisational levels of economy, knows the definitive economic facts.
- Understands the structure, operation, and Hungarian and international relationships of business organisations, their information and motivational factors, especially the institutional environment. - Knows the European integration process and European Policies related to its activity.
- Knows the modern and theoretically demanding mathematical-statistical, econometric, and modelling methods of problem recognition, definition, and solution and information gathering and processing, and is aware of their limitations.
- Knows the rules for planning and managing enterprises, business organisations, and projects, and their professional and ethical standards.
- Knows and understands mathematical methods used in economics and their limits and the modern, theoretically demanding statistical and econometric methods and their limits.
- Knows and understands the conceptual frameworks of micro and macro economy, the working principles, automatisms, and institutional characteristics of the economic system.
- Possesses the expert knowledge necessary to analyse and solve issues in the field of economics.
- Knows and understands the relevant information gathering, information analysis, and problem-solving methods of economics, their applications, and the possibilities and limitations of IT tools used in economic analysis.
- Knows and understands the professional and ethical standards of economics and scientific work.
- Has mastered the written and oral forms of professional and efficient communication, the methods of visualising data and processes, including opportunities offered by infocommunication technology.

b) skills

- Is capable of formulating independent, new deductions, original thoughts, and approaches, is capable of utilising sophisticated analytic and modelling methods, of creating strategies for the solution of complex problems, and of making decisions in dynamic Hungarian and international environments and corporate cultures.
- After attaining practical knowledge and experiences, leads medium and large enterprises or complex organisational units, performs a comprehensive economic function in a business organisation, organises and manages complex business processes, manages resources.
- Is capable of efficient work in an international, multicultural environment.
- Is capable of the economic analysis and independent formulation of social and business issues.
- Is capable of exploring theoretical, methodological, and factual resources in Hungarian and in foreign languages and following the professional publications of other scientific fields relevant to the specialisation.
- Is capable of organising and critically analysing the explored professional resources and data, utilising modern infocommunication technology tools, in his/her analysis, leans on sophisticated mathematical-statistical, econometric, and modelling methods.

- Is capable of developing strategies to solve complex issues, planning the solution, making decisions, and offering professional advice to economic operators.
 - Is capable of preparing professional summaries and analyses in his/her specialist field, giving presentations, actively participating in professional debate using the modern methods of the infocommunication and presentation toolkits, in Hungarian or in foreign languages.
 - Is capable of participating in large-scale and complex projects and group work, and as a leader, of managing, organising, and evaluating activities.
- c) attitudes**
- Has a critical attitude towards the work and behaviour of him/herself and any subordinates, is innovative and proactive in managing economic issues. Is open to new results of economic science and practice.
 - Is characterised by a cultured, ethical, and objective intellectual approach to persons and social issues, in his/her work, pays attention to the wider range of sectoral, regional, national, and European values (including social, ecological, and sustainability considerations).
 - Strives to improve his/her knowledge and work relationships; motivates, helps, and supports any colleagues and subordinates to do the same.
 - Knows the basic values and standards of economic analysis, strives for their critical analysis and development.
 - Possesses a problem-centric view and problem-solving mindset, is characterised by a cultured, ethical, and objective intellectual attitude to persons and social issues.
 - Has a critical attitude towards the knowledge, work, and behaviour of him/herself and any subordinates, is open to new results from economic science and practice, and changes in the social-economic-legal environment that affect his/her specialist fields.
 - Is decisive, constructive, cooperating, and takes initiative in project and group work, is prepared to share professional and social knowledge with professional and non-professional audiences.
- d) autonomy and responsibilities**
- Independently selects and utilises relevant problem-solving methods in areas important for organisational policy, strategy, and management, performs financial analysis, decision-preparation, and consulting tasks independently. Independently creates, organises, and manages major enterprises, or major organisations and organisational unity.
 - Takes responsibility for his/her own work, the organisation or enterprise under his/her control and the employees thereof.
 - Independently identifies, plans, and organises the professional and general development of his/herself and any employees and takes responsibility for them.
 - Formulates an opinion relevant to the issue independently,
 - performs financial analysis, decision preparation, and consulting tasks in fields significant for organisational policy, strategy, or management independently.
 - In analytic tasks, selects and applies the relevant problem-solving methods independently; analyses, takes, and manages the responsibility for the fact that results received from analyses and practical methods partially depend on the chosen method.
 - Takes responsibility for his/her own work, decisions, and the organisation or enterprise under his/her control.

9. About the Master's programme

9.1. Professional properties

9.1.1. The scientific fields and areas that the training is based on are:

- economic and social science studies (economics and methodology studies, microeconomy and macroeconomy, theoretical and applied econometrics, the mathematical studies necessary for the above, the history of economic thought) 60-70 credits.
- economic studies of the economic analyst [economic dynamics, economic development and growth (economic development, innovation, education economics); economics methodology (advanced statistical and econometric studies, regulatory systems); regional and environmental economics (international economics, regional economics, environmental economics); economic modelling (multi-sector and dynamic models, economic forecasting); financial economics (international finances, monetary macroeconomy); community economics and finance (community economics, community finances); consumer-employee-corporate behaviour (work economics, demography, sectoral market structures); institutions, economic policy (institutional and comparative economics) 40-50 credits.

9.2. Foreign language requirements

To obtain a master's degree, in English and an additional foreign language, a state-accredited intermediate (B2) complex type language exam or an equivalent secondary school leaving certificate or diploma is required.

9.3. For persons with degrees defined in sections 4.2 and 4.3, the minimal requirements of admittance to the Master's programme training cycle

For entering the Master's programme, a minimum of 80 credits is necessary from the following subject areas:

- economics and social science studies (microeconomy, macroeconomy, economics, management) 50 credits;
- methodology studies (mathematics, statistics, econometry, decision science, and informatics studies) 30 credits.

The prerequisite of admittance into the Master's programme is for the student to have at least 50 credits in the listed area based on his/her previous studies. Missing credits must be attained in the Master's programme as defined in the higher education institution's Study and Exam Regulations.

10. Degree thesis/ Dissertation

The aim of the dissertation is to certify the student's knowledge and expertise in a chosen topic, scientific data collection, systematization, analysis and processing related to the chosen topic, discussion of the chosen phenomenon or problem, hypothesis creation, problem solving, analysis of alternative hypotheses, analysis and in refuting the counter-arguments, in a coherent, consistent, language-oriented written explanation of his thoughts, views, positions, statements.

11. Type of Degree thesis

- a) research thesis
- b) portfolio-type dissertation - OTDK, scientific article, system of portfolio tasks with reflection.

12. Requirements for the issue of a final certificate

The University will issue a final certificate to the student who has obtained

- the study and examination regulation prescribed in the curriculum, and
- the required credits.

13. Conditions for admission to the final examination

Joint conditions for admission to the final exam:

- a) obtaining a final certificate,
- b) submission of the dissertation by the deadline,

- c) evaluation of the dissertation with a different grade than the deadline,
- d) registration for the final exam by the deadline,
- e) the student has no overdue payment debt to the University for the given training,
- f) accounted for with assets owned by the University (borrowed books, sports equipment, etc.).

A student who has not fulfilled any of the provisions of the points a)-f) cannot be admitted to the final examination.

14. Parts of the final exam

The final exam consists of defending the dissertation.

15. Determining the result of the final exam

The arithmetic mean of the following two digits, rounded to two decimal places:

- a) the grade given to the dissertation by the reviewer (s) - determined with a five-point qualification - in case of several reviewers the average of the marks of the reviews is rounded to two decimal places, and
- b) the grade obtained for the defense of the dissertation, for the answers to the questions related to the dissertation - established with a five-level qualification.

16. Components of diploma qualification, method of calculation

The result of the diploma is the arithmetic mean of the following two digits, rounded to two decimal places:

- a) the credit-weighted average of the marks of the compulsory and optional subjects in the amount of credits prescribed in the curriculum, and
- b) the result (grade) of the final examination.

17. Conditions for issuing a diploma

A prerequisite for the award of a diploma certifying the completion of higher education studies is the successful completion of the final examination, as well as the passing of the language examination required by the training and output requirements and the presentation of the relevant language examination certificate.

18. Specialization selection rules

Based on study average. The student chooses a specialization. If there are fewer than 15 in one specialization, the worst-averaged from the other specialization are transferred to the less popular specialization, with at least 15 students in both specializations.

Economic Analysis master programme in Budapest, in English, full time training Curriculum for 2021/2022. (1.) fall semester for beginning students

Course ID	Name of Course	type	classes per week		ECTS	evaluation	Fall or Spring Semester	2021/22 Academic year		2021/22 Academic year		2022/23 Academic year		2022/23 Academic year		ECTS	Course Coordinator	Institute	Precondition		Equivalent Course		PSO																						
			L	S				Fall		Spring		Fall		Spring					ID	Course	ID	Course																							
			Q1	Q2				Q3	Q4	Q5	Q6	Q7	Q8																																
Preparatory courses																							2	0	0	0	0	0	0	0	0	0	0	0	0	0	2								
MSMT002NAMB	Pre-Session Mathematics (Weeks 0-1, Q1)	C	10	10	1	exx	fall	1									Palágyi Zoltán	Institute of Mathematics and Statistical Modelling					no																						
MSST009NAMB	Pre-Session Probability and Statistics (Weeks 0-1)	C	10	10	1	ex	fall	1									Sugár András	Institute of Mathematics and Statistical Modelling					no																						
Compulsory courses																							14	14	12	15	2	12	0	0	69														
Core courses																							14	14	0	3	0	0	0	0	31														
KG00059NAMB	Advanced Microeconomics	C	2	4	7	ex	fall	7									Habis Helga	Institute of Economics					no																						
MSST010NAMB	Data Analysis	C	0	6	7	ex	fall	7									Sugár András	Institute of Mathematics and Statistical Modelling					no																						
KG00030NAMB	Advanced Macroeconomics	C	4	2	7	ex	fall		7								Major Klára	Institute of Economics					no																						
KG00063NAMB	Econometrics	C	4	2	7	ex	fall		7								Elek Péter	Institute of Economics					no																						
KG00034NAMB	Academic and Business Writing*	C	0	2	3	pg	spring			+	3						Mihályi Péter	Institute of Economics					no																						
Specializations																							38																						
Macroeconomic Analyst Specialization																							0	0	12	12	2	12	0	0	38														
MN00018NAMB	Dynamic Macroeconomics: Theory and Applications	C	4	4	6	ex	spring			6							Major Klára	Institute of Economics	KG00030NAMB	Advanced Macroeconomics			yes																						
MN00003NAMB	Introduction to Financial Economics	C	0	4	6	ex	spring			6							Sebestyén Géza	Institute of Finance, Accounting and Business Law					yes																						
MSST003NAMB	Time Series Analysis	C	2	4	6	ex	spring				6						Keresztély Tibor	Institute of Mathematics and Statistical Modelling	KG00063NAMB	Econometrics			yes																						
KG00130NAMB	Numerical Macroeconomics	C	2	2	6	ex	spring				6						Kónya István	Institute of Economics	KG00030NAMB	Advanced Macroeconomics			yes																						
MN00008NAMB	Banking in the 21st Century	C	2	2	6	ex	fall					6					Sebestyén Géza	Institute of Finance, Accounting and Business Law					yes																						
KG00124NAMB	Macroeconomic Policy Analysis (project) I.	C	0	2	2	pg	fall					2					Kónya István	Institute of Economics	MN00018NAMB MN00003NAMB MSST003NAMB KG00130NAMB	Dynamic Macroeconomics: Theory and Applications AND Introduction to Financial Economics AND Time Series Analysis AND Numerical Macroeconomics			yes																						
KG00125NAMB	Macroeconomic Policy Analysis (project) II.	C	0	2	6	pg	fall						6				Kónya István	Institute of Economics	MN00018NAMB MN00003NAMB MSST003NAMB KG00130NAMB	Dynamic Macroeconomics: Theory and Applications AND Introduction to Financial Economics AND Time Series Analysis AND Numerical Macroeconomics			yes																						

Economic Analysis master programme in Budapest, in English, full time training Curriculum for 2021/2022. (1.) fall semester for beginning students

Course ID	Name of Course	type	classes per week		ECTS	evaluation	Fall or Spring Semester	2021/22 Academic year		2021/22 Academic year		2022/23 Academic year		2022/23 Academic year		ECTS	Course Coordinator	Institute	Precondition		Equivalent Course		PSO
			L	S				Fall	Spring	Fall	Spring	Fall	Spring	ID	Course				ID	Course			
			Q1	Q2				Q3	Q4	Q5	Q6	Q7	Q8										
Industrial Organization Analyst Specialization								0	0	12	12	8	6	0	0	38							
MN00014NAMB	Causal Data Analysis	C	4	2	6	ex	spring			6						Texlegdy Álmós	Institute of Economics	KG00063NAMB	Econometrics			yes	
KG00010NAMB	Empirical Industrial Organization	C	2	2	6	ex	spring			6						Bakó Barna	Institute of Economics	KG00059NAMB	Advanced Microeconomics			yes	
MN00015NAMB	Empirical Corporate Governance and Management	C	4	2	6	ex	spring				6					Texlegdy Álmós	Institute of Economics	KG00063NAMB	Econometrics			yes	
KG00051NAMB	Economics of Regulation	C	2	4	6	ex	spring				6					Szakadát László	Institute of Economics	KG00059NAMB	Advanced Microeconomics			yes	
MN00009NAMB	Financial planning, analysis and valuation	C	2	2	6	ex	fall					6				Sebestyén Géza	Institute of Finance, Accounting and Business Law					yes	
KG00126NAMB	Firm and Market Analysis (project) I.	C	0	2	2	pg	fall						2			Szakadát László	Institute of Economics	MN00014NAMB KG00010NAMB MN00015NAMB KG00051NAMB	Causal Data Analysis AND Empirical Industrial Organizations AND Empirical Corporate Governance and Management AND Economics of Regulation			yes	
KG00127NAMB	Firm and Market Analysis (project) II.	C	0	2	6	pg	fall						6			Szakadát László	Institute of Economics	MN00014NAMB KG00010NAMB MN00015NAMB KG00051NAMB	Causal Data Analysis AND Empirical Industrial Organizations AND Empirical Corporate Governance and Management AND Economics of Regulation			yes	
Thesis Seminar								0	0	0	0	0	5	0	10	15							
MN00026NAMB	Thesis Seminar I.	C	0	4	5	pg	fall						5				Institute of Economics						
MN00027NAMB	Thesis Seminar II.*	C	0	4	10	pg	spring							+	10		Institute of Economics	MN00026NAMB	Thesis Seminar I.				
Elective Courses of the Program (complete 5 at least)								0	0	0	0	0	8	10	10	28	Students may complete subjects in a different quarter of the 2nd year. Please be advised that registration for subjects may be open only in selected quarters.						
	Growth Theory	CE	2	2	5	ex	fall						+			Major Klára	Institute of Economics	KG00030NAMB	Advanced Macroeconomics			yes	
KG00121NAMB	Development Economics	CE					spring						Int. week			Valentinyi Ákos							yes
GKGM019NAMB	Economic Governance	CE	2	2	5	ex	fall							+		Ádám Zoltán	Institute of Economic and Public Policy					yes	
KG00128NAMB	Fiscal Policy	CE	2	2	5	ex	fall							+		Benk Szilárd	Institute of Economics					yes	
KG00011NAMB	Game Theory	CE	4	2	5	ex	fall							+		Bakó Barna	Institute of Economics	KG00059NAMB	Advanced Macroeconomics			yes	
GKGM006NAMB	Labour Economics	CE	2	2	5	ex	fall							+		Hermann Zoltán	Institute of Economics					yes	
KG00122NAMB	Earnings inequality	CE	2	2	5	ex	spring									Telegdy Álmós	Institute of Economics					yes	
KOZNXOPKU01	Cooperative Games and Decisions*	CE	2	2	6	ex	fall						+			Solymosi Tamás	Institute of Mathematics and Statistical Modelling					yes	
KG00004NAMB	Behavioral Economics	CE	4	2	5	ex	spring							+		Kiss Hubert János	Institute of Economics					yes	
KG00042NAMB	International Trade	CE	0	4	5	ex	spring							+		Szabó-Bakos Eszter	Institute of Economics	MN00014NAMB	Causal Data Analysis			yes	
KG00076NAMB	Machine Learning in Economics	CE	2	2	5	ex	spring							+		Elek Péter	Institute of Economics	MN00014NAMB or MSST003NAMB	Causal Data Analysis OR Time Series Analysis			yes	

Economic Analysis master programme in Budapest, in English, full time training Curriculum for 2021/2022. (1.) fall semester for beginning students

Course ID	Name of Course	type	classes per week		ECTS	evaluation	Fall or Spring Semester	2021/22 Academic year		2021/22 Academic year		2022/23 Academic year		2022/23 Academic year		ECTS	Course Coordinator	Institute	Precondition		Equivalent Course		PSO
			L	S				Fall		Spring		Fall		Spring					ID	Course	ID	Course	
			Q1	Q2				Q3	Q4	Q5	Q6	Q7	Q8										
4OP13NAV32B	Mechanism Design in Matching Markets	CE	0	4	3	pgg	spring							+		Bíró Péter	Institute of Mathematics and Statistical Modelling					yes	
4OG33NAK43M	Advanced Comparative Economics	CE	2	2	6	ex	spring							+		Ádám Zoltán	Institute of Economic and Public Policy	KG00063NAMB	Econometrics			yes	
GKKK028NAMB	Economics of the Public Sector	CE	2	2	5	ex	spring							+		Csengődi Sándor	Institute of Economic and Public Policy					yes	
293NFINK564M	Advanced Corporate Finance*	CE	2	2	6	ex	spring							+		Szabó Dávid Zoltán	Institute of Finance, Accounting and Business Law					yes	
Elective Courses								0	0	3	0	3	0	0	0	6							
	Other elective courses	E					fall, spring									Students may register for elective courses in a different semester. Elective credits may be completed by completing further compulsory elective courses.							
IOK001NABB	Hungarian Language SHI I.*	KR	0	4	3	pgg	fall	3	3							Dobos Ágota	Centre of Foreign Language Education and Research						
IOK0004NABB	Hungarian Language SHI II.*	KR	0	4	3	exx	spring	3	3							Dobos Ágota	Centre of Foreign Language Education and Research						
Total crexredits arex quartexrly								16	14	15	15	5	25	10	20	120							
Total crexredits (sexmexstexr)								30	30	30	30	30	120										

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, a=signature, ce- Comprehensive examination
A subject that can be completed in a preferential study order (PSO) on the basis of Section 92 of the Study and Examination Regulation (TVSZ)

Physical education

Students wishing to play sports can only take a physical education subject 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.

* Hungarian Language is a compulsory subject for the students participating in the Stipendium Hungaricum scholarship program in the first two semesters.

Students need to register for these subjects in the quarter marked with '+', however credits are only earned at the end of the semester.

In the list of compulsory elective subjects, the sign '+' marks the quarters in which the subjects are planned to start. Starting quarters may change!

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!