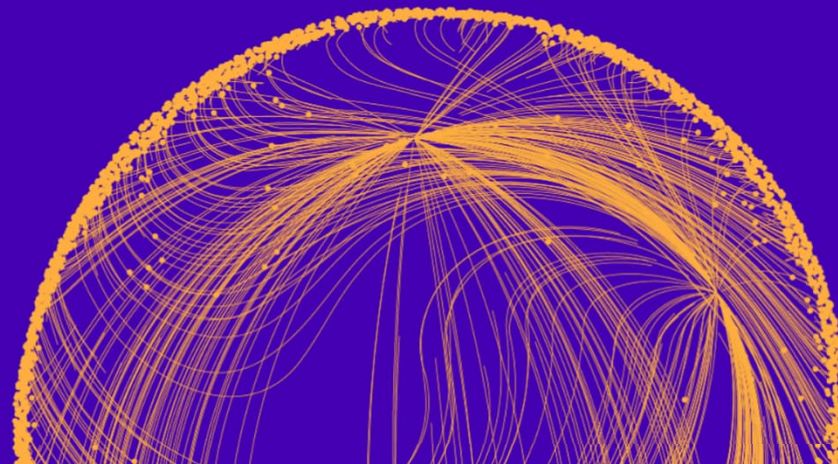


GSE BSc students information session

25 March 2025



Items

- Helsinki Graduate School of Economics
- GSE for Bachelor-level students
- Master's level education
- Administrative matters

- Launched in 2018, to enhance highest education and research in economics in Finland
- Member institutions:
 - Aalto University
 - Hanken School of Economics
 - University of Helsinki
 - ... and VATT Institute of Economic Research
- Masters and Doctoral programs
- Research groups
- Public service
- <https://www.helsinkigse.fi/>

Education with Helsinki GSE



- Use three universities' teaching resources to form an education environment with international standards
 - coordination and development of curricula
 - division of labor
 - research supervision
 - administrative services
 - information hub
- At MSc/PhD level
 - ~40 special courses
 - 10 Research Groups
- Note: degrees designed and granted by the member institutions!

Research Groups

- Interested students may benefit from the activities of the Research Groups
 - Research Groups consist of Helsinki GSE faculty members + students in the field
 - Behavioral Economics
 - Development Economics
 - Econometrics
 - Environmental Economics
 - Industrial Organization
 - Labor Economics
 - Macroeconomics
 - Microeconomics
 - Public Economics
 - Urban Economics
- + Dataroom (as of June 2022; predecessor Helsinki GSE Situation Room)

Research Group activities

- RGs promote research and teaching in their fields
 - thesis supervision
 - seminars
 - student workshops
 - teaching
 - funding
- Low (non-existent) institutional barriers
- A natural way to integrate to the research community
 - research topics
 - data
 - funding
 - learn to communicate your work!

GSE for Bachelor-level studies

- Field courses from other universities available.
- What is offered in academic year 2024-25 is listed on the webpage:
<https://www.helsinkigse.fi/studies/courses/target:bachelor-s-students>
- E.g.
 - *Digital markets* from Aalto
 - *Causal inference and data analytics* from Hanken
 - *Resource economics* from Viikki
 - about 10 courses from UoH SocSci (in Finnish mostly)

TM0

TMO

Kurssimuutoksia Hankenilla:

- "Empirical methods in economics" -> "Causal inference and data analytics" (sama sisältö kuin ennen)
 - "Mikroekonomisk företags- och samhällsanalys" (8 ECTS) -> "Mikroekonomisk analys 1" (6ECTS) & "Microeconomic analysis 2" (4ECTS)
- "Makroekonomisk analys" (6ECTS) -> (8ECTS)

Topi Miettinen, 2023-03-20T11:42:12.944

Master's programs

Tracks

- Research Master's (rMSc) track
 - Jointly organized core courses (micro, macro, econometrics); take 9 of them
 - Wide choice of field courses, including those at advanced level
- 1-2 other Master's tracks / university

Objectives of rMSc

- Two target audiences
 1. Those who enter the job market after the MSc
 - allround tools for professional economists
 - merit of its own
 2. Those who enter PhD education
 - tools for research
 - rigor and consistency
 - basis for field studies
- Already the main avenue towards PhD studies at Helsinki GSE

rMSc compared to other MSc

- More, and technically more demanding, core courses.
- ➔ Less room for field courses.
- rMSc almost surely necessitates a larger time & effort investment.

Student support

- Student support
 - All universities offer a professor tutor
 - Student association
 - Peer support

rMSc track core courses

- (Math Camp)
- Advanced Microeconomics 1 (Decision Theory)
- Advanced Microeconomics 2 (Resource Allocation and General Equilibrium)
- Advanced Microeconomics 3 (Game Theory)
- Advanced Microeconomics 4 (Information Economics)
- Advanced Macroeconomics 1 (Introduction to Dynamic Stochastic Equilibrium Modeling)
- Advanced Macroeconomics 2 (Stochastic Recursive Macroeconomic Models)
- Advanced Macroeconomics 3 (Business Cycles)
- Advanced Macroeconomics 4 (Heterogenous agent models with policy applications)
- Advanced Econometrics 1 (Econometric Methods I)
- Advanced Econometrics 2 (Econometric Methods II)
- Advanced Econometrics 3 (Macroeconometrics)
- Advanced Econometrics 4 (Microeconometrics)

Some practicalities

- All teaching in class (Economicum), except Advanced Econometrics 1-3 in Zoom
- Main rule: in class-teaching for Helsinki GSE students.
 - Exceptions (course-by-course) possible as decided by the teacher.
- Objective
 - Peer-group formation
 - Integration to GSE community
- Common working spaces:
 - Computer lab in the 3rd floor of Economicum
 - Refurbishment of the Economicum

- Master's Programme in Economics
 - Director of the program, Tuukka Saarimaa (tuukka.saarimaa@aalto.fi)
 - Planning Officer, Elina Yrjänäinen (elina.yrjanainen@aalto.fi)

Three majors:

1. **Economics**
 - Students of the Bachelor's Programme in Business majoring in Economics and students of the Bachelor's Programme in Economics **can continue their studies directly**
2. **Environmental and Energy Economics**
 - New major, started 2024
 - Students who wish to start in the major must contact Professor Matti Liski
3. **Research Master in Economics**
 - Requires registration, by April 30
 - Contact Tuukka and Elina for specifics

Economics

- Required courses: Microeconomic policy, Macroeconomic policy, Applied microeconometrics 1.
- Other studies typically cover additional courses in economics and/or minor studies in mathematics, statistics, data science, finance etc.

Environmental and Energy Economics

- Required courses: Applied Microeconometrics I, Advanced Environmental Economics, Microeconomic Policy, Economics of Energy Markets, Environmental Economics I, Environmental Economics II: Mechanisms
- Other studies typically cover additional courses in economics and/or minor studies in mathematics, statistics, data science, finance etc.

rMSc in Economics

- Required courses (can be taken over two years)
 - Advanced microeconomics 1 and 2 (5cr each)
 - Advanced macroeconomics 1 and 2 (5cr each)
 - Advanced econometrics 1 and 2 (5cr each)
 - Math Camp (3cr)
 - Three courses of the following: Advanced microeconomics 3 and 4, Advanced macroeconomics 3 and 4, Advanced econometrics 3 and 4 (5cr each)
- Other studies typically cover additional courses in economics and/or minor studies in mathematics, statistics, data science, finance etc.

- Admission criteria for rMSc:
- Must have completed the following courses:
 - Intermediate Microeconomics I and II
 - Intermediate Macroeconomics I and II
 - Econometrics I and II
 - Mathematics for Economists
- In general, a minimum grade average of 4.0 in these courses is required
- Students entering the major with a B.Sc. in Economics at another university must demonstrate equivalent qualifications

- Info session on Master's program in Economics and different majors
 - Time: Monday, March 31, 2025, at 16-17
 - Place: V002, Ekonominaukio 1

- Master's Programme in Economics
 - Contact Rune Stenbacka
- Two majors: general M.Sc. in Economics and Research M.Sc. in Economics

- General M.Sc. in Economics
 - Students of the Bachelor's Programme majoring in Economics **continue their studies automatically and directly**
 - Hanken general M. Sc. obligatory courses reflect Hanken research strengths in industrial organization and behavioral economics:
 - Competition economics (by Rune Stenbacka)
 - Behavioral economics (by Topi Miettinen)
 - Microeconomics: Pricing (offered by Aalto)
 - Applied macroeconomics (by Niku Määttä, UH)
 - Econometrics:
 - If Causal inference and data analytics in BSc, then Econometrics I (offered by UH) or Applied Microeconometrics I (offered by Aalto)
 - If not, then Causal inference and data analytics
 - + electives
- Research M.Sc. in Economics
 - Contact Rune Stenbacka by May 30th
 - Access granted based on motivation for abstract research methods / career and success in previous studies

- Master's Programme in Economics
 - Director of the program, Marja-Liisa Halko (marja-liisa.halko@helsinki.fi)
 - Education planner, TBA
- Two tracks: General Study Track and Research Study Track
 - Instructions:
<https://studies.helsinki.fi/ohjeet/artikkeli/jatkaminen-maisteriohjelman>

- General Study Track
 - Students of the Bachelor's Programme in Economics and Bachelor's Programme in Mathematical Sciences (Econometrics Study Track) **can continue their studies directly in the General Study Track**
- Research Study Track
 - Continuing in the Research Study Track requires registration
 - Registration period in the spring: 1–30 April
Registration period in the autumn: 1–31 October
 - If applying to Research Track, you must apply before your bachelor graduation

UH Economics rMSc registration requirements

- A maximum of 20 students will be admitted
- 14 of the following 16 courses with an average grade of at least 4.0 (the limit is strict)

| Required courses | |
|---|--|
| TA3a Microeconomics I (5 cr) | Mathematical Analysis I (5cr) OR Introduction to University Mathematics (5 cr) OR Basics of optimization (5cr) |
| TA3b Microeconomics II (5 cr) | Mathematical Analysis II (5cr) OR Limits (5 cr) |
| TA3c Game Theory (5 cr) | Mathematical Analysis III (5cr) OR Differential Calculus (5 cr) |
| TA4a Macroeconomics I (5 cr) | Mathematical Analysis IV (5cr) OR Integral Calculus (5 cr) |
| TA4b Macroeconomics II (5 cr) | Linear Algebra and Matrices I (5 cr) |
| TA4c Economic Growth (5 cr) | Probability I (5 cr) |
| TA7a Econometrics I OR Linear Models I (5 cr) | Probability IIa (5 cr) |
| TA7b Econometrics II (5 cr) | Statistical Inference I (5 cr) |

UH Economics

MSc & rMSc course requirements



| General track core courses (30 cr) | Research track core courses (45 cr) |
|--|---|
| Microeconomics 1(5 cr) | Advanced Microeconomics 1(5 cr) |
| Microeconomics 2 (5 cr) | Advanced Microeconomics 2 (5 cr) |
| Macroeconomics 1 (5 cr) | Advanced Macroeconomics 1 (5 cr) |
| Macroeconomics 2 (5 cr) | Advanced Macroeconomics 2 (5 cr) |
| Econometrics 1 (5 cr) | Advanced Econometrics 1 (5 cr) |
| One of the following: | Advanced Econometrics 2 (5 cr) |
| (1) Advanced Econometrics 3: Macroeconometrics (5 cr) | Three of the following: |
| (2) Advanced Econometrics 4: Microeconometrics (5 cr) | (1) Advanced Microeconomics 3(5 cr) |
| | (2) Advanced Microeconomics 4 (5 cr) |
| | (3) Advanced Macroeconomics 3 (5 cr) |
| | (4) Advanced Macroeconomics 4 (5 cr) |
| | (5) Advanced Econometrics 3 (5 cr) |
| | (6) Advanced Econometrics 4 (5 cr) |
| Four field courses in economics (20 - 24 cr, à 5 - 6 cr) | Three field courses in economics (15 - 18 cr, à 5 - 6 cr) |

- Master's programme in Agricultural, Environmental and Resource Economics (AGERE)
 - Director of the program: Xavier Irz (xavier.irz@helsinki.fi)
 - Education planning officer: Simo Riikonen (simo.riikonen@helsinki.fi)
- Three study tracks:
 - 1) Environmental and Resource Economics
 - 2) Agricultural Economics
 - 3) Research Master

- Research Master Track
 - Courses: Advanced Microeconomics 1-2, macroeconomics 1-2, and econometrics 1-2 plus two of the following: Advanced microeconomics 3-4, macroeconomics 3-4 and econometrics 3-4
 - Research master module replaces the regular methods courses
 - Required grade point average: 4.0 for relevant courses. Contact Lassi Ahlvik (lassi.ahlvik@helsinki.fi) for details
 - Registration by April 30

Administrative matters

● Helsinki GSE

- Info on GSE studies:
<https://www.helsinkigse.fi/studies>
- Coordination of the Helsinki GSE cross-institutional network: Jenni Rytkönen
(jenni.rytkonen@aalto.fi)
- Program's Education Planning Officers and Program Directors

What to study?

- <https://www.helsinkigse.fi/studies/what-to-study>

How to enroll in the courses?

- Please see the Helsinki GSE webpage *"How to enroll in the courses?"*:
<https://www.helsinkigse.fi/studies/enrollment>
- Cross-institutional studies service (in Finnish ristiinopiskelupalvelu, RIPA) has been integrated into Sisu, allowing students to enroll in all cooperative courses in their own Sisu. The credits will automatically appear in the Sisu of your home university without the need for a credit transfer application.

HOPE YOU ENJOY YOUR STUDIES AT HELSINKI GSE!

