Curriculum 2026-2030, year 26-27 – Agricultural, Environmental and Resource economics Master program – 120 ECTS

* Odd years
**Even years
Tba = To be announced later

Advanced Studies - AGERE-302 95-101 ECTS (AGERE – Common studies, method studies and AGERE-310 or AGERE-320)

AGERE Common studies 35 ECTS	ECTS	Year/Period	
AGERE-001 Introduction to the Master program in Agricultural, Environmental and Resource Economics		1	1/I
AGERE-030 Master´s Thesis		30	2/I-IV
AGERE-020 Master´s thesis Seminar		4	1-2/I-IV
VIIKM-001 Master's Maturity Test		0	2/I-IV

Language studies (Choose at least one course)	ECTS	Year/Period
KK-ENG501 Academic Writing 1, Principle and Practice (CEFR C1)	2	1/I-II
KK-ENG502 Academic Writing 2, Process and Feedback (CEFR C1)	2	1-2/III
KK-ENG504 Advanced English: Feedback on Writing (CEFR C1)	1	1-2/I-IV
SUO-010 Finnish 1	3	1-2
SUO-020 Finnish 2	3	1-2
KK-RUO001 Swedish for Beginners 1	3	1-2
Or min 1 ects other appropriate language courses		

AGERE - Entrance studies **(> 10 ECTS)**	ECTS	Year/Period	
AGERE-007 Applied Econometrics • Mandatory for all		5	1/II
AGERE-009 Essential Mathematics for Economists • Mandatory for all		5	1/I
AGERE-010 Intermediate Microeconomics Mandatory for students who have <u>not</u> studied intermediate microeconomics in their earlier degree		5	1/I
FOR-017 R-basic Course • Voluntary for all		5	1/I[1]

[1]Lectured in Finnish, but the course can be completed in English.

AGERE - Theories and methods <u>≥</u> **15-20 ECTS**	ECTS	Year/Period	
In Agricultural economics choose at least 15 cr. In Environmental and resource economics choose at least 20 cr.			
AGERE-012 Further Mathematics for Economists • Mandatory for ERE, voluntary for AGE		5	1/II
Capstone: Microeconomic Policy (31E99906) • Mandatory for ERE, voluntary for AGE		6	1/II[3]
AGERE-002 Cost-Benefit Analysis		5	1-2/IV
AGERE-003 Economic Valuation Methods		5	1-2/I
AGERE-004 General Equilibrium Modeling		5	1-2/IV**
AGERE-005 Applied Linear Programming		5	1-2/III
AGERE-011 Socio-cultural Valuation Methods for Integrated Landscape Management		5	1-2/I
AGERE-013 Qualitative Methods in Agricultural, Environmental and Resource Economics		5	1-2/I

ECOM-G310 Microeconomics 1	5	1-2/II
ECOM-G311 Microeconomics 2	5	1-2/II
ECOM-G314 Cross Section Econometrics	5	1-2/II
ECOM-413 Applied Microeconometrics I	5	1-2/I
ECOM-414 Applied Microeconometrics II	5	1-2/II
FOR-108 Qualitative empirical research methods, approaches and research ethics	5	1-2/II
FOR-103 Quantitative Methods and Data	5	1-2/III-IV
FOR-007 Statistical Models: Basics in generalized Linear Models	5	1-2/III
FOR-008 Statistical Prediction and Sampling	5	1-2/IV**
FOR-009 Statistical Modelling with R	5	1-2/IV*

[3] Cross-institutional course in Aalto Uni. SISU-instructions: https://studies.helsinki.fi/instructions/article/cross-institutional-studies-between-higher-education-institutions, https://www.helsinkigse.fi/studies/courses

Study track studies (Advanced studies chosen according to field of specialization and study right)

AGERE-310 Agricultural Economics - **45-48 ECTS**

(Choose at least two AGE-modules modules from study track studies and 15 cr. other advanced study track courses)

AGERE-320 Environmental and Resource Economics – **46-49 ECTS**

(Choose AGERE-326 core track courses 30 cr. and 15 cr. other advanced study track courses)

	ECTS	**Year/Period**
AGERE-311 AGE I Agricultural Markets and Policy		**15**
AGERE-A01 Price Formation and Market Structure in the Agrifood Supply Chain	5	1/II
AGERE-A08 Agricultural and Food Policy Analysis	5	1-2/III*
AGERE-A03 International Agricultural Trade and Trade Theory	5	1-2/III**
AGERE-312 AGE II Production Economics and Farm Management		**15**
AGERE-A04 Risk Management in Agriculture	5	1-2/II
AGERE-A05 Production and Cost Theory	5	1-2/III
AGERE-A06 Theories and Applications in Strategic Management	5	1-2/IV
AGERE-313 AGE III Entrepreneurship		**15**
EKM-127 Sustainable Entrepreneurship	5	1-2/II
RUR-202 Rural Social Entrepreneurship MOOC	1 - 5	1-2/III-IV
AGERE-A10 Sustainable Financing	5	1-2/II
Other master level courses in entrepreneurship, marketing, co-operation studies or accounting	5-10	1-2
AGERE-326 Environmental and resource economics , ERE CORE module courses,		**31 cr.**
AGERE-E01 Environmental Economics I: Theory	5	1/II
AGERE-E11 Solving Environmental Problems with Data	5	1-2/IV
AGERE-E08 Resource Economics I: Dynamic Optimization	5	1/III
AGERE-E09 Resource Economics II	5	1/IV
AGERE-E06 Numerical models in Environmental and Resource Economics	5	2/I
ECON-E0900 Economics of Energy Markets	6	1/IV[3]

Thematic study module

Other AGE and ERE Study track courses, 15 cr. (select 15 cr. from these courses, from AGE-module courses or ERE-core module courses)

AGERE-E14 Economics and Governance of Marine Resources	5	1-2/II
AGERE-E15 Climate and Energy Policy	5	1-2/III
AGERE-019 Economics for Sustainable Food Systems	5	1-2/III
AGRI-224 Life Cycle Assessment in the Context of Agriculture and Forestry	5	1-2/III
ECON-E0800 Advanced Environmental Economics	6	1-2/I-II[3]
EKM-103 Managing Innovation in Agri-Food Value Chains for Sustainability	5	1/IV[1]
FOR-285 Climate Change Mitigation and Adaption in Forestry	5	1-2/III**
AGRI-222 Sustainable Food Systems	5	1-2/II[1]
31E1500 Development Economics I	6	2/I[3]
ECOK-252 Behavioral Economics	5	1-2/II
ATM389 Living with Changing Climate	5	1-2/II
FOR-105 Sales Management and Business Models	5	1-2/II[1]
ECGS-204 Business in the Natural Environment	5	1-2/I[1]
ECOM-452 Economic Justice	5	1-2/III
ECOM-440 Public Economics 1: Taxation Policy	5	1-2/III
ECOM-441 Public Economics 2: Expenditure Policies	5	1-2/IV
31E00500 International Trade	6	1-2/II[3]
ECON-E0200 Economics of Cities	5	1-2/III-IV[3]
ECOM-448 Experimental Economics	5	1-2/IV
AGERE-9000 Changing theme course in Agricultural, Environmental and Resource Economics	1-10	1-2/tba[4]
AGERE-9001 Changing theme course in Agricultural, Environmental and Resource Economics	1-10	1-2/tba[4]

[1]Only for AGE students
[3]Cross-institutional course in Aalto Uni. SISU-instructions: https://studies.helsinki.fi/instructions/article/cross-institutional-studies-between-higher-education-institutions#paragraph-7745 , https://www.helsinkigse.fi/studies/courses
[4]It´s uncertain if course is organized during the Academic years 26-30

Other courses can include exchange study courses, which must be approved by the study counselor before the exchange period if those are included in the advanced study track module. Courses offered by the Helsinki Graduate School of Economics (GSE) are also suitable for these alternative study modules. GSE courses do not need to be approved separately."

Other studies

Career orientation and professional skills training

(Choose at least 5 ECTS of AGERE-027 or AGERE-028)	**ECTS**	**Year/Period**
AGERE-027 Career Orientation/Internship	4-10	1-2/I-IV
AGERE-028 Career Orientation/ Career-related Project[5]	1-10	1-2/I-IV

[5]Can also be completed with the course AGRI-021 Project Work

Optional		
VIIKM-002 Tutoring	2	1-2/I
VIIKM-005 Participation in Student Organization and University of Helsinki Administrative Bodies	2-5	1-2/I-IV

Studies which are freely chosen 8-13 ECTS		

TOTAL	**120**	

Research Master Track (jointly with Helsinki Graduate School of Economics)

Helsinki GSE Research Master's education equips students with the main tools of a professional economist. It represents state-of-the art scientific knowledge of the field and prepares students to operate in most demanding expert positions in government, business, and research. The advanced and technically oriented nature of the program also serves as an excellent foundation for entry into a PhD program and other research-focused roles in the society.

For more information, see https://www.helsinkigse.fi/programs/research-masters-program

AGERE - Common studies	35 ECTS
AGERE Entrance studies:	
AGERE-009, AGERE-012 (Math III & IV), AGERE-007, ERE: ECOM-G310	15-20 ECTS
Study track studies ERE / AGE	30 ECTS / 15 ECTS
Research Master courses (AGERE-306 in optional modules)	40 ECTS
-ECOM-R310, ECOM-R311¸ ECOM-R313, ECOM-R314, ECOM-R315, ECOM-E322 (6 courses)	
-Choose 2 of the following: ECOM-R316 – ECOM-R321	
Total ERE / AGE	125 / 105 (+ internship 4-10 ECTS + language studies 1 ECTS)

If you choose Research Master track, then AGERE-306 substitutes Methods and Theories module. Contact education planning officer about the change.

Agronomy degree/title https://guide.student.helsinki.fi/fi/artikkeli/tutkinnon-rakenne-ja-laajuus (Select Study program -> MSc in Agricultural Sciences)

If necessary, the Steering group of the Master's program in Agricultural Sciences may, upon request, comment on whether the applicant meets the equivalence requirements for the title of agronomist given in point 2).