Choose your AGRI study track in the pdf:

- → Agrotechnology, pages 1-3
- → Plant Production Sciences, pages 4-7
- → Animal Sciences, pages 8-10
- → Environmental Soil Sciences, pages 11-13

AGRI degree structure 2023-2026 and a 2-years' model study schedule 2024-2025 and 2025-2026

15-25 cr

updated 24.6.2024 (Changes possible. Please check the latest information in Sisu)

MSc Programme in Agricultural Sciences (AGRI), 120 cr

AGRI degree structure and a two-years' model teaching programme for the students, who start in the autumn 2024 (in an even year)

Agrotechnology study track, 120 cr

Optional modules, 0-30 cr (examples)

Modules from your own MSc programme or from other MSc programmes. Please note that you don't have to

take any **optional study modules** in your Master's Degree, if you don't want, but instead, you can take individual **optional study units** in the Other studies section in order to get 120 credits in your Master's Degree.

AGRI-100 Advanced studies in Agrotechnology, 90 cr

Joint studies in the AGRI-programme	45 cr		
AGRI-001 Personal Study Plan (PSP)	0 cr	1/I	
AGRI-002 Research Design and Analysis	5 cr	1/III-IV	
AGRI-003 Scientific Writing and Seminars, 5 cr			
- AGRI-003A Scientific Writing	4 cr	2/I-IV	
- AGRI-003B MSc Seminars	1 cr	1-2/any periods	
AGRI-004 Literature	5 cr	2/any periods	
AGRI-005 Master's Thesis	30 cr	2/any periods	
VIIKM-001 Master's Maturity Test	0 cr	2/IV	
Joint studies in the Agrotechnology study track	30 cr		
AGRI-101 Energy and Agriculture (lectures in Finnish but can be completed in English)	5 cr	1 or 2/I	even
AGRI-104 Measurement Technology	5 cr	1/I	
AGRI-106 Smart Farming (web course)	5 cr	1 or 2/any periods	
FOR-265 Terramechanics and trafficability prediction	5 cr	1 or 2/I	even
ME-204 Geoinformatics 1 (web course)	5 cr	1 or 2/any periods	
Alternative, choose 5 cr			
AGRI-132 Crop Production Technology, literature	5 cr	1 or 2/any periods	
AGFO-311 Research Methods in Agriculture	5 cr	1 or 2/IV	even
Alternative modules in the Agrotechnology study track	15 cr		
According to your PSP, choose 1 x 15 cr:	45		
AGRI-140 Environmental Technology in Agriculture	15 cr	4 2/11	
AGRI-141 Environmental Technology in Agriculture, theoretical bases	5 cr	1 or 2/II	odd
AGRI-142 Environmental Technology in Agriculture, exercises	5 cr	1 or 2/II	odd
AGRI-143 Environmental Technology in Agriculture, applications	5 cr	1 or 2/II	
AGRI-150 Agricultural Engineering	15 cr		
AGRI-151 Agricultural Automation	5 cr	1 or 2/I-II	even
AGRI-152 Design and Simulation of Agricultural Machines	5 cr	1 or 2/II-III	odd
AGRI-153 Agricultural Robotics	5 cr	1 or 2/I-II	even

X = can be completed at any time, no fixed periods and in some cases no fixed years () = can be completed either in the first or second year of MSc studies

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AGRI-610 Agriculture and Environment (*see the course list below)	15-25 cr	
ECGS-700 Food and Sustainability (*see the course list below)	15 cr	
AGRI-620 Global South (*see the course list below)	15-35 cr	
VIIKM-200 Study Module Accomplished at Another University	15-45 cr	
VIIKM-201 Studies Completed in a Foreign University	15-45 cr	
or any other optional module from AGRI or from other MSc programmes		
, ,		
Other studies in Master's Degree, 0-30 cr (examples)		
Study units from your own MSc programme or from other MSc programmes.		
Methodological studies according to the PSP (examples)		
FOR-007 Tilastollisia malleja: Yleistettyjen lineaaristen mallien perusteet	5 cr	1/III
MAAT-028 Tieteellinen kirjoittaminen	3 cr	1/I-II
Advanced programming courses according to PSP		
Other methodological courses according to PSP		
Career orientation and professional skills studies (examples)		
Career orientation and professional skills studies (examples) AGRI-102 Agroteknologian sidosryhmät	5 cr	1 or 2/III even
AGRI-017 Advanced Training in a Research Group	5-10 cr	1 or 2/any periods
AGRI-017 Advanced Training in a Research Gloup AGRI-018 Practical Training	5-10 cr	1 or 2/any periods
AGRI-019 Supervision of Younger Students in Agricultural Sciences	1-5 cr	1 or 2/any periods
AGRI-020 Study Group in Agricultural Sciences	1-3 cr	1 or 2/any periods
AGRI-021 Project work	5 cr	1 /III-IV
AGRI-027 Other studies	1-15 cr	1 or 2/any periods
VIIKM-002 Tutoring	5 cr	1/IV and 2/orientation week
VIIKM-005 Demanding participation in administrative bodies and student organisations	2-5 cr	1 or 2/any periods
Other optional studies (examples)		
Optional study units from student's own programme or from other programmes (examples):		
MAAT-402 Maan rakenne	5 cr	1 or 2/I
VIIKM-003 Orientation Week	1 cr	1/1
MAAT-009 Maaseudun kehittäminen	5 cr	1 or 2/III
SUST-001 Sustainability course (web course)	3 cr	1 or 2 / II or III-IV
PED590 Towards better well-being and studying (web course)	3 cr	1/
FAF-101A Biodiversity.now (MOOC)	2 cr 3 cr	1 or 2/any periods
FAF-101B Biodiversity.now (Project work)		1 or 2/II 1/I-II
KK-ENG501, Academic Writing 1: Principles and Practice (Master's Students) (CEFR C1)	2 cr	•
KK-ENG502, Academic Writing 2: Process and Feedback (Master's Students) (CEFR C1)	2 cr	2/I
Una Europa Micro-Credential in Sustainability -online courses		
Climate University -online courses Biodiversity network -online courses		
Sustainability Studies network -online courses		
Open University courses from Aalto University in Leadership and Industrial Engineering		
Courses from the MSc programme in Environmental Change and Global Sustainability		
Courses from the wise programme in Environmental Change and Global Sustamability		
*Course list of antional modular (avamples):		
*Course list of optional modules (examples): AGRI-610 Agriculture and Environment	15-25 cr	
AGRI-211 Wildlife in the Farming Environment	1 5-25 cr 5 cr	1 or 2/LII
AGRI-211 Wildlife in the Farming Environment AGRI-212 Ecological Farming Methods	5 cr	1 or 2/I-II 1 or 2/I-II
Adki-212 Ecological Farming Methods Alternative, choose 5 cr	3 CI	± UI Z/ I-II
Afternative, choose 5 cr AGRI-213 Literature in Farmland Ecology	For	1 or 2/any periods
AGRI-113 Environmental Technology in Crop Production, literature	5 cr 5 cr	1 or 2/any periods 1 or 2/any periods
Optional, choose 15 cr	3 CI	1 OI 2/ ally pellous
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Study units agreed in the PSP

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ECGS-700 Food and Sustainability	15 cr		
AGRI-222 Sustainable Food Systems (web course)	5 cr	1 or 2/II	
EDUM504 Sustainable Culinary Culture	5 cr	1 or 2/May or II or IV	odd
Alternative, choose 5 cr (one course below or an other relevant course according to PSP)			
Economics:			
EKM-103 Managing Innovation in Agri-Food Value Chains for Sustainability	5 cr	1 or 2/IV	
<u>Agroecology and Plant Production</u> :			
AGRI-221 Agroecology: Working with the Complexity of Farming Systems	5 cr	1/III	
AGRI-223 Literature in Agroecology of Food Systems	5 cr	1 or 2/any periods	
<u>Food Sciences</u> :			
FOOD-401 European Food Safety	5 cr	1 or 2/III	even
AGRI-620 Global South	15-35 cr		
Optional, choose 15-35 cr			
Study units agreed in the PSP, more information in Sisu	15-35 cr		

AGRI degree structure 2023-2026 and a 2-years' model study schedule 2024-2025 and 2025-2026

updated 24.6.2024 (Changes possible. Please check the latest information in Sisu)

MSc Programme in Agricultural Sciences (AGRI), 120 cr

AGRI degree structure and a two-years' model teaching programme for the students, who start in the autumn 2024 (in an even year)

Plant Production Sciences study track, 120 cr

AGRI-200 Advanced studies in Plant Production Sciences, 90 cr

Joint studies in the AGRI-programme	45 cr		
AGRI-001 Personal Study Plan (PSP)	0 cr	1/I	
AGRI-002 Research Design and Analysis	5 cr	1/III-IV	
AGRI-003 Scientific Writing and Seminars, 5 cr			
- AGRI-003A Scientific Writing	4 cr	2/I-IV	
- AGRI-003B MSc Seminars	1 cr	1-2/any periods	
AGRI-004 Literature	5 cr	2/any periods	
AGRI-005 Master's Thesis	30 cr	2/any periods	
VIIKM-001 Master's Maturity Test	0 cr	2/IV	
Joint studies in the Plant Production Sciences study track	15 cr		
IPS-002 Plants in Changing World	5 cr	1/I	
IPS-113 Advanced Plant Physiology	5 cr	1 or 2/I	
Optional, choose 5 cr		·	
An optional course according to PSP	5 cr		
Alternative modules in the Plant Production Sciences study track	30 cr		
According to your PSP, choose 2 x 15 cr modules or 1 x 30 cr module :			
Agroecology modules, 1x30 cr:			
AGRI-225 Agroecology	30 cr		
AGRI-211 Wildlife in the Farming Environment	5 cr	1/I-II	
AGRI-212 Ecological Farming Methods	5 cr	1 /I-II	
AGRI-221 Agroecology: Working with the Complexity of Farming Systems (web course)	5 cr	1/III	
AGRI-222 Sustainable Food Systems (web course)	5 cr	1/11	
ECGS-001 Introduction to Sustainability Science 5 cr	5 cr	1 or 2/I	
Alternative, choose 5 cr			
ECGS-081 Analytical approaches to human environmental interaction, 5 cr	5 cr	1/IV	
or an other ECGS course according to PSP	5 cr		
Plant Breeding modules, 3x15 cr:			
AGRI-230 Plant Breeding	15 cr		
AGRI-232 Crop Breeding and Genetic Resources	5 cr	1 or 2/I	odd
FOR-278 Forest Tree Breeding and Genetic Resources	5 cr	1 or 2/III	even
Alternative, choose 5 cr			
IPS-125 Plant Genetics and Environmental Responses	5 cr	1/IV	
AGRI-285 Translational Plant Biology	5 cr	1/III	
AGRI-236 Plant Biotechnology and Molecular Biology	15 cr		
IPS-121 Plant Biochemistry	5 cr	1 or 2/II	odd
IPS-122 Plant Biotechnology and Molecular Biology	5 cr	1/II	
IPS-123 Laboratory Course in Plant Biotechnology	5 cr	1/III-IV	
AGRI-310 Animal Breeding Theory			
AGRI-311 Animal Data Analysis	5 cr	1 or 2/I	odd
AGRI-312 BLUP and Variance Components	5 cr	1 or 2/II	odd

X = can be completed at any time, no fixed periods and in some cases no fixed years () = can be completed either in the first or second year of MSc studies

Can be completed remotely

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	A tentative	two-years	model tead	hing program	me for 2	2024-20	25 + 202	5-2026*	
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AGRI-313 Selection Theory	5 cr	1 or 2/III	even								5		
Crop Science module, 1x30 cr:													
AGRI-240 Crop Science	30 cr												
AGRI-241 Field Crop Quality	5 cr	1 or 2/I	even	5									
AGRI-242 Field Crop Quality Laboratory Course	5 cr	1 or 2/II	(even)		5					5			
AGRI-243 Herbicides and Weed Management	5 cr	1 or 2/III	even								5		
AGRI-248 Cropping Systems Ecology (new course, first time 2025-2026)	5 cr	1 or 2 /II-III	odd							2,5	2,5		
AGRI-249 Crop Ecological Physiology	5 cr	1 or 2/III	odd			5							
AGRI-245 Crop Science and Horticulture Practicals	5 cr	1/III-IV				2,5	2,5						
Plant Pathology modules, 2x15 cr:													
	15 cr												
AGRI-250 Plant Pathology		4 2/1							-				
AGRI-251 Fungal Plant Pathogens	5 cr	1 or 2/I	odd						5				
AGRI-252 Plant Pathogenic Bacteria	5 cr	1 or 2/III	even								5		
AGRI-253 Plant Virology	5 cr	1 or 2/III	odd			5							
AGRI-260 Epidemiology and Control of Plant Diseases	15 cr												
AGRI-261 Epidemiology and Ecology of Plant Pathogens	5 cr	1 or 2/I	even	5									
AGRI-262 Advanced Training in a Plant Pathology Research Group	5 cr	1 or 2/any periods		Х	х	х	х	х	Х	х	х	х	
AGRI-263 Plant-Microbe Interactions	5 cr	1 or 2/II			(5)					(5)			
Agricultural Entomology module, 1x15 cr:													
AGRI-270 Agricultural Entomology	15 cr												
AGRI-271 Biological Control	5 cr	1 or 2/IV	odd				5						
AGRI-272 Integrated Plant Protection	5 cr	1 or 2/II	even		5								
AGRI-273 Extended Insect Identification	5 cr	1 or 2/any periods		x	x	х	x	x	х	х	х	х	
Adm-273 Extended insect identification	30	1 or 2/ arry perious		^	^	^	^	^		^	^	^	
Horticulture modules, 1x30 cr and 1x15 cr:													
AGRI-280 Horticulture	30 cr												
AGRI-281 Postharvest Physiology and Technology	5 cr	1 or 2/II	odd							5			
AGRI-282 Greenhouse Production and Management	5 cr	1 or 2/III	even								5		
AGRI-283 Berry and Fruit Crop Physiology	5 cr	1 or 2/II	even		5								
AGRI-245 Crop Science and Horticulture Practicals	5 cr	1/III-IV				2,5	2,5						
IPS-122 Plant Biotechnology and Molecular Biology	5 cr	1/11			5	,							
Alternative, choose 5 cr		,											
IPS-123 Laboratory Course in Plant Biotechnology	5 cr	1/III-IV				2,5	2,5						
AGRI-285 Translational Plant Biology	5 cr	1/III				5							
AGRI-290 Viherala	15 cr	27											
AGRI-291 Viheralueiden kasvit	5 cr	1 or 2/I	even	5									
Alternative, choose 10 cr	3 (1	1 01 2/1	even										
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AGRI-292 Taajamien viheralueet	5 cr	1 or 2/II	even		5								
AGRI-293 Kaupunkibiotoopit	5 cr	1 or 2/I	odd						5				
AGRI-294 Horticulture for Well-being and Green Care	5 cr	1 or 2/IV	odd				5						
AGRI-296 Kaupunkiviljely	5 cr	1 or 2/530.8.2024	even	5									
Optional modules, 0-30 cr (examples)													
Modules from your own MSc programme or from other MSc programmes. Please note that you don't have to take any optional study modules in your Master's Degree, if you don't want, but instead, you can take individual optional study units in the Other studies section in order to get 120 credits in your Master's Degree.													
AGRI-610 Agriculture and Environment (*see the course list below)	15-25 cr												
ECGS-700 Food and Sustainability (*see the course list below)	15-25 Cr			—	 	1	-	-					
AGRI-620 Global South (*see the course list below)	15-35 cr			-									
	15-35 cr 15-45 cr			-	-	-		1					
VIIKM-200 Study Module Accomplished at Another University				<u> </u>	-	-	-						
VIIKM-201 Studies Completed in a Foreign University	15-45 cr			<u> </u>									
or any other optional module from AGRI or from other MSc programmes				<u> </u>									

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Other studies in	Master's Degree	4 0-30 cr	lexamplesi

Study units from your own MSc programme or from other MSc programmes.

methodological studies decorating to the 151 (examples)		
FOR-007 Tilastollisia malleja: Yleistettyjen lineaaristen mallien perusteet	5 cr	1/111
MAAT-028 Tieteellinen kirjoittaminen	3 cr	1/I-II
ETK-501 Kemian työt	5 cr	1/IV
MOLE-212 Molekyylibiotieteiden harjoitustyöt, 5 cr		
- MOLE-212B Biokemia	2 cr	1/111
- MOLE-212D Mikrobiologia	3 cr	1/111
MOLE-213 Geenitekniikka, 7 cr		
- MOLE-213A Geenitekniikan luennot	2 cr	1/III
- MOLE-213C Geenitekniikan harjoitustyöt	5 cr	1/IV
FYS2034 Klimatologian perusteet	2 cr	1/III
Programming courses according to PSP		
Bioinformatics courses according to PSP		
Computer Science courses according to PSP		
GIS courses according to PSP		
Other methodological courses according to PSP		

Career orientation and professional skills studies (examples)

AGRI-017 Advanced Training in a Research Group	5-10 cr	1 or 2/any periods
AGRI-018 Practical Training	5-10 cr	1 or 2/any periods
AGRI-019 Supervision of Younger Students in Agricultural Sciences	1-5 cr	1 or 2/any periods
AGRI-020 Study Group in Agricultural Sciences	1-3 cr	1 or 2/any periods
AGRI-021 Project work	5 cr	1/III-IV
AGRI-295 Puutarhatieteen projektityö	5-15 cr	1 or 2/any periods
AGRI-007 Other studies	1-15 cr	1 or 2/any periods
VIIKM-002 Tutoring	5 cr	1/IV and 2/orientation week
VIIKM-005 Demanding participation in administrative bodies and student organisations	2-5 cr	1 or 2/any periods

Other optional studies (examples)

Cinci optional statics (champios)			
Optional study units from student's own programme or from other programmes (examples):			
AGRI-224 Life Cycle Assessment in the Context of Agriculture and Forestry	5 cr	1 or 2/II	
ME-242 Agriculture, Agroforestry and Forestry in the Tropics	5 cr	1 or 2/I	
AGRI-247 Tropical Plants of Economic Importance, 3 cr (web course)	3 cr	1 or 2/any periods	
AGRI-247B Tropical Plants of Economic Importance, 2 cr (contact sessions)	2 cr	1 or 2/II	
AGRI-202 Extended Plant Identification	2-5 cr	1 or 2/any periods	
IPS-121 Plant Biochemistry	5 cr	1 or 2/II	odd
IPS-111 Plant Developmental Biology	5 cr	1 or 2/II	even
VIIKM-003 Orientation Week	1 cr	1/I	
MAAT-009 Maaseudun kehittäminen	5 cr	1 or 2/III	
SUST-001 Sustainability course (web course)	3 cr	1 or 2 / II or III-IV	
PED590 Towards better well-being and studying (web course)	3 cr	1/II	
FAF-101A Biodiversity.now (MOOC)	2 cr	1 or 2/any periods	
FAF-101B Biodiversity.now (Project work)	3 cr	1 or 2/II	
KK-ENG501, Academic Writing 1: Principles and Practice (Master's Students) (CEFR C1)	2 cr	1/I-II	
KK-ENG502, Academic Writing 2: Process and Feedback (Master's Students) (CEFR C1)	2 cr	2/I	
Han Francis Miles Condental in Contribution and the contribution			

<u>Una Europa Micro-Credential in Sustainability -online courses</u>

Climate University -online courses

Biodiversity network -online courses

Sustainability Studies network -online courses

Courses or modules from the MSc programme in Integrative Plant Sciences

Courses or modules from the MSc programme in Forest Sciences

Courses or modules from the MSc programme in Food Sciences

Courses or modules from the MSc programme in Environmental Change and Global Sustainability

Courses or modules from the MSc programme in Ecology and Evolutionary Biology

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Courses or modules from the joint Virology teaching in Viikki Courses or modules from the joint Mycology teaching in Viikki

Study units agreed in the PSP, more information in Sisu

*Course list of optional modules (examples):

*Course list of optional modules (examples):			
AGRI-610 Agriculture and Environment	15-25 cr		
AGRI-211 Wildlife in the Farming Environment	5 cr	1 or 2/I-II	
AGRI-212 Ecological Farming Methods	5 cr	1 or 2/I-II	
Alternative, choose 5 cr			
AGRI-213 Literature in Farmland Ecology	5 cr	1 or 2/any periods	
AGRI-113 Environmental Technology in Crop Production, literature	5 cr	1 or 2/any periods	
Optional, choose 15 cr			
Study units agreed in the PSP	15 cr		
ECGS-700 Food and Sustainability	15 cr		
AGRI-222 Sustainable Food Systems (web course)	5 cr	1 or 2/II	
EDUM504 Sustainable Culinary Culture	5 cr	1 or 2/May or II or IV	odd
Alternative, choose 5 cr (one course below or an other relevant course according to PSP)			
Economics:			
EKM-103 Managing Innovation in Agri-Food Value Chains for Sustainability	5 cr	1 or 2/IV	
<u>Agroecology and Plant Production</u> :			
AGRI-221 Agroecology: Working with the Complexity of Farming Systems	5 cr	1/III	
AGRI-223 Literature in Agroecology of Food Systems	5 cr	1 or 2/any periods	
<u>Food Sciences</u> :			
FOOD-401 European Food Safety	5 cr	1 or 2/III	even
AGRI-620 Global South	15-35 cr		
Optional, choose 15-35 cr			

15-35 cr

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AGRI degree structure 2023-2026 and a 2-years' model study schedule 2024-2025 and 2025-2026

updated 24.6.2024 (Changes possible. Please check the latest information in Sisu)

MSc Programme in Agricultural Sciences (AGRI), 120 cr

AGRI degree structure and a two-years' model teaching programme for the students, who start in the autumn 2024 (in an even year)

Animal Science study track, 120 cr

AGRI-300 Advanced studies in Animal Science, 90 cr

Joint studies in the AGRI-programme	45 cr		
AGRI-001 Personal Study Plan (PSP)	0 cr	1/I	
AGRI-002 Research Design and Analysis	5 cr	1/III-IV	
AGRI-003 Scientific Writing and Seminars, 5 cr			
- AGRI-003A Scientific Writing	4 cr	2/I-IV	
- AGRI-003B MSc Seminars	1 cr	1-2/any periods	
AGRI-004 Literature	5 cr	2/any periods	
AGRI-005 Master's Thesis	30 cr	2/any periods	
VIIKM-001 Master's Maturity Test	0 cr	2/IV	
Joint studies in the Animal Science study track	15 cr		
AGRI-301 Animal Genomics and Nutrition	5 cr	1/III	
AGRI-303 Farm Animal Behaviour and Welfare	5 cr	1 or 2/I	
Optional, choose 5 cr			
An optional course according to PSP	5 cr		
Alternative modules in the Animal Science study track	30 cr		
According to your PSP, choose 2 x 15 cr modules (please see additional information below*):			
Animal Breeding modules, 15 cr:			
AGRI-310 Animal Breeding Theory	15 cr		
AGRI-311 Animal Data Analysis	5 cr	1 or 2/I	odd
AGRI-312 BLUP and Variance Components	5 cr	1 or 2/II	odd
AGRI-313 Selection Theory	5 cr	1 or 2/III	even
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Animal Nutrition modules, 2x15 cr:			
AGRI-330 Animal Physiology	15 cr		
AGRI-331 Ruminant Nutrition Physiology	5 cr	1 or 2/II	odd
AGRI-332 Production Physiology of Farm Animals	5 cr	1 or 2/III	odd
AGRI-333 Farm Animal Endocrinology	5 cr	1 or 2/I	even
AGRI-340 Feed Science	15 cr		
AGRI-341 Feed Evaluation and Diet Formulation	5 cr	1 or 2/I-II	even
AGRI-342 Feed Science and Technology	5 cr	1 or 2/III	even
AGRI-343 Modelling and Data Analysis in Animal Nutrition	5 cr	1 or 2/IV	even
Animal Welfare and Health module, 15 cr:			
AGRI-350 Animal Welfare and Health	15 cr		
AGRI-351 Animal Health in Production Animals and Disease Prevention	5 cr	1 or 2/II	odd
AGRI-352 Welfare of Domestic Species	5 cr	1 or 2/III	even
AGRI-353 Societal Aspects of Animal Welfare	5 cr	1 or 2/IV	even

Optional modules, 0-30 cr (examples)

X = can be completed at any time, no fixed periods and in some cases no fixed years () = can be completed either in the first or second year of MSc studies

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			model teach	ing program	me for 2	024-202	5 + 202	5-2026*	
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Modules from your own MSc programme or from other MSc programmes. Please note that you don't have to		
take any optional study modules in your Master's Degree, if you don't want, but instead, you can take individual		
optional study units in the Other studies section in order to get 120 credits in your Master's Degree.	15-25 cr	
AGRI-610 Agriculture and Environment (*see the course list below)	15-25 Cr 15 cr	
ECGS-700 Food and Sustainability (*see the course list below)	15-35 cr	
AGRI-620 Global South (*see the course list below)	15-35 Cr 15-45 cr	
VIIKM-200 Study Module Accomplished at Another University	15-45 cr 15-45 cr	
VIIKM-201 Studies Completed in a Foreign University	15-45 CI	
or any other optional module from AGRI or from other MSc programmes		
Other studies in Master's Degree, 0-30 cr (examples)		
Study units from your own MSc programme or from other MSc programmes.		
Methodological studies according to the PSP (examples)		
FOR-007 Tilastollisia malleja: Yleistettyjen lineaaristen mallien perusteet	5 cr	1/III
MAAT-028 Tieteellinen kirjoittaminen	3 cr	1/II 1/I-II
ETK-501 Kemian työt	5 cr	1/IV
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MOLE-212 Molekyylibiotieteiden harjoitustyöt, 5 cr	2 au	1/111
- MOLE-212B Biokemia	2 cr 3 cr	1/III
- MOLE-212D Mikrobiologia	3 CF	1/III
MOLE-213 Geenitekniikka, 7 cr	2 cr	4 (11)
- MOLE-213A Geenitekniikan luennot	2 cr 5 cr	1/III
- MOLE-213C Geenitekniikan harjoitustyöt	5 CF	1/IV
Programming courses according to PSP		
Bioinformatics courses according to PSP		
Computer Science courses according to PSP		
Matematiikan jatkokursseja HOPS:in mukaan		
Tilastotieteen jatkokursseja HOPS:in mukaan		
Other methodological courses according to PSP		
Career orientation and professional skills studies (examples)		
AGRI-017 Advanced Training in a Research Group	5-10 cr	1 or 2/any periods
AGRI-018 Practical Training	5-10 cr	1 or 2/any periods
AGRI-019 Supervision of Younger Students in Agricultural Sciences	1-5 cr	1 or 2/any periods
AGRI-020 Study Group in Agricultural Sciences	1-3 cr	1 or 2/any periods
AGRI-021 Project work	5 cr	1/III-IV
AGRI-007 Other studies	1-15 cr	1 or 2/any periods
VIIKM-002 Tutoring	5 cr	1/IV and 2/orientation week
VIIKM-005 Demanding participation in administrative bodies and student organisations	2-5 cr	1 or 2/any periods
Other optional studies (examples)		
Optional study units from student's own programme or from other programmes (examples):		
VIIKM-003 Orientation Week	1 cr	1/I
MAAT-009 Maaseudun kehittäminen	5 cr	1 or 2/III
SUST-001 Sustainability course (web course)	3 cr	1 or 2 / II or III-IV
PED590 Towards better well-being and studying (web course)	3 cr	1/II
FAF-101A Biodiversity.now (MOOC)	2 cr	1 or 2/any periods
FAF-101B Biodiversity.now (Project work)	3 cr	1 or 2/II
KK-ENG501, Academic Writing 1: Principles and Practice (Master's Students) (CEFR C1)	2 cr	1/I-II
KK-ENG502, Academic Writing 2: Process and Feedback (Master's Students) (CEFR C1)	2 cr	2/I
<u>Una Europa Micro-Credential in Sustainability -online courses</u>		
Climate University -online courses		
Biodiversity network -online courses		
Sustainability Studies network -online courses		
Courses or modules from the MSc programme in Food Sciences		

Courses or modules from the MSc programme in Human Nutrition and Food Behaviour Courses or modules from the MSc programme in Life Science Informatics

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*Course list of optional modules (examples):			
AGRI-610 Agriculture and Environment	15-25 cr		
AGRI-211 Wildlife in the Farming Environment	5 cr	1 or 2/I-II	
AGRI-212 Ecological Farming Methods	5 cr	1 or 2/I-II	
Alternative, choose 5 cr			
AGRI-213 Literature in Farmland Ecology	5 cr	1 or 2/any periods	
AGRI-113 Environmental Technology in Crop Production, literature	5 cr	1 or 2/any periods	
Optional, choose 15 cr			
Study units agreed in the PSP	15 cr		
ECGS-700 Food and Sustainability	15 cr		
AGRI-222 Sustainable Food Systems (web course)	5 cr	1 or 2/II	
EDUM504 Sustainable Culinary Culture	5 cr	1 or 2/May or II or IV	odd
Alternative, choose 5 cr (one course below or an other relevant course according to PSP)			
Economics:			
EKM-103 Managing Innovation in Agri-Food Value Chains for Sustainability	5 cr	1 or 2/IV	
<u>Agroecology and Plant Production</u> :			
AGRI-221 Agroecology: Working with the Complexity of Farming Systems	5 cr	1/III	
AGRI-223 Literature in Agroecology of Food Systems	5 cr	1 or 2/any periods	
<u>Food Sciences</u> :			
FOOD-401 European Food Safety	5 cr	1 or 2/III	even
AGRI-620 Global South	15-35 cr		
Optional, choose 15-35 cr			
Study units agreed in the PSP, more information in Sisu	15-35 cr		

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* In Animal Science you need to select two alternative modules out of four modules.

1. If you aim to complete your MSc thesis in animal breeding, please select the module AGRI-310 Animal Breeding Theory (15 cr). Please agree with your supervising PSP teacher what you should select as the other alternative module. You can include any alternative animal science module in optional modules (0-30 cr) as well.

2. If you aim to complete your MSc thesis in animal nutrition, please select at least either AGRI-330 Animal Physiology (15 cr) and AGRI-340 Feed Science (15 cr). It is recommended that you select both animal nutrition modules. If you select only one module of animal nutrition, please agree with your supervising PSP teacher, if you need to complement your animal nutrition studies with single selected courses from the other module of animal nutrition. You can include any alternative animal science module in optional modules (0-30 cr) as well.

3. If you aim to complete your MSc thesis in animal welfare and health, please select the module Animal Welfare and Health (15 cr). Please agree with your supervising PSP teacher what you should select as the other alternative module. You can include any alternative animal science module in optional modules (0-30 cr) as well.

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AGRI degree structure 2023-2026 and a 2-years' model study schedule 2024-2025 and 2025-2026

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updated 24.6.2024 (Changes possible. Please check the latest information in Sisu)

MOLE-101 Biokemia

MSc Programme in Agricultural Sciences (AGRI), 120 cr

AGRI degree structure and a two-years' model teaching programme for the students, who start in the autumn 2024 (in an even year)

Environmental Soil Science study track, 120 cr

AGRI-400 Advanced studies in Environmental Soil Science, 90 cr

Joint studies in the AGRI-programme	45 cr		
AGRI-001 Personal Study Plan (PSP)	0 cr	1/I	
AGRI-002 Research Design and Analysis	5 cr	1/III-IV	
AGRI-003 Scientific Writing and Seminars, 5 cr			
- AGRI-003A Scientific Writing	4 cr	2/I-IV	
- AGRI-003B MSc Seminars	1 cr	1-2/any periods	
AGRI-004 Literature	5 cr	2/any periods	
AGRI-005 Master's Thesis	30 cr	2/any periods	
VIIKM-001 Master's Maturity Test	0 cr	2/IV	
Joint studies in the Environmental Soil Science study track	15 cr		
Study units agreed in the PSP	15 cr		
Compulsory module in the Environmental Soil Science study track	30 cr		
Choose 1 x 30 cr module:			
Environmental Soil Science module, 1x30 cr:			
AGRI-410 Environmental Soil Science	30 cr		
AGRI-411 Soil Hydrology	5 cr	1 or 2/III	odd
AGRI-412 Environmental Soil Science Readings II	5 cr	1 or 2/any periods	
AGRI-413 Advanced Soil Science	5 cr	1 or 2/III	even
AGRI-414 Pedogenesis and Soil Classification	5 cr	1 or 2/I	odd
AGRI-415 Soil Science Laboratory III	10 cr	1 or 2/I	
Optional modules, 0-30 cr (examples)			
Modules from your own MSc programme or from other MSc programmes. Please note that you don't have to take any optional study modules in your Master's Degree, if you don't want, but instead, you can take individual optional study units in the Other studies section in order to get 120 credits in your Master's Degree.			
AGRI-610 Agriculture and Environment (*see the course list below)	15-25 cr		
ECGS-700 Food and Sustainability (*see the course list below)	15 cr		
AGRI-620 Global South (*see the course list below)	15-35 cr		
VIIKM-200 Study Module Accomplished at Another University	15-45 cr		
VIIKM-201 Studies Completed in a Foreign University	15-45 cr		
or any other optional module from AGRI or from other MSc programmes			
Other studies in Master's Degree, 0-30 cr (examples)			
Study units from your own MSc programme or from other MSc programmes.			
Methodological studies according to the PSP (examples)			
FOR-007 Tilastollisia malleja: Yleistettyjen lineaaristen mallien perusteet	5 cr	1/III	
MAAT-028 Tieteellinen kirjoittaminen	3 cr	1/I-II	
ETK-510 Fysikaalinen kemia	5 cr	1/III-IV	
ETK-501 Kemian työt	5 cr	1/IV	

X = can be completed at any time, no fixed periods and in some cases no fixed years() = can be completed either in the first or second year of MSc studies

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Mathematics courses according to PSP
Statistics courses according to PSP
Physics courses according to PSP
GIS courses according to PSP
Other methodological courses according to PSP

Career orientation and professional skills studies (examples)

AGRI-017 Advanced Training in a Research Group	5-10 cr	1 or 2/any periods
AGRI-018 Practical Training	5-10 cr	1 or 2/any periods
AGRI-019 Supervision of Younger Students in Agricultural Sciences	1-5 cr	1 or 2/any periods
AGRI-020 Study Group in Agricultural Sciences	1-3 cr	1 or 2/any periods
AGRI-021 Project work	5 cr	1/III-IV
AGRI-007 Other studies	1-15 cr	1 or 2/any periods
VIIKM-002 Tutoring	5 cr	1/IV and 2/orientation week
VIIKM-005 Demanding participation in administrative bodies and student organisations	2-5 cr	1 or 2/any periods

Other optional studies (examples)

Optional study units from student's own programme or from other programmes (examples):		
VIIKM-003 Orientation Week	1 cr	1/I
MAAT-009 Maaseudun kehittäminen	5 cr	1 or 2/III
SUST-001 Sustainability course (web course)	3 cr	1 or 2 / II or III-IV
PED590 Towards better well-being and studying (web course)	3 cr	1/II
FAF-101A Biodiversity.now (MOOC)	2 cr	1 or 2/any periods
FAF-101B Biodiversity.now (Project work)	3 cr	1 or 2/II
KK-ENG501, Academic Writing 1: Principles and Practice (Master's Students)	(CEFR C1) 2 cr	1/I-II
KK-ENG502, Academic Writing 2: Process and Feedback (Master's Students)	(CEFR C1) 2 cr	2/I

<u>Una Europa Micro-Credential in Sustainability -online courses</u>

Climate University -online courses

Biodiversity network -online courses

<u>Sustainability Studies network -online courses</u>

Courses or modules from the MSc programme in Environmental Change and Global Sustainability

*Course list of optional modules (examples):

AGRI-610 Agriculture and Environment	15-25 cr		
AGRI-211 Wildlife in the Farming Environment	5 cr	1 or 2/I-II	
AGRI-212 Ecological Farming Methods	5 cr	1 or 2/I-II	
Alternative, choose 5 cr			
AGRI-213 Literature in Farmland Ecology	5 cr	1 or 2/any periods	
AGRI-113 Environmental Technology in Crop Production, literature	5 cr	1 or 2/any periods	
Optional, choose 15 cr			
Study units agreed in the PSP	15 cr		
ECGS-700 Food and Sustainability	15 cr		
AGRI-222 Sustainable Food Systems (web course)	5 cr	1 or 2/II	
EDUM504 Sustainable Culinary Culture	5 cr	1 or 2/May or II or IV	odd
Alternative, choose 5 cr (one course below or an other relevant course according to PSP)			
<u>Economics</u> :			
EKM-103 Managing Innovation in Agri-Food Value Chains for Sustainability	5 cr	1 or 2/IV	
<u>Agroecology and Plant Production</u> :			
AGRI-221 Agroecology: Working with the Complexity of Farming Systems	5 cr	1/III	
AGRI-223 Literature in Agroecology of Food Systems	5 cr	1 or 2/any periods	
<u>Food Sciences</u> :			
FOOD-401 European Food Safety	5 cr	1 or 2/III	even
AGRI-620 Global South	15-35 cr		

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Optional, choose 15-35 cr Study units agreed in the PSP, more information in Sisu

15-35 cr