Study plan: Specialisation Agricultural Science, Major Value Chains and Rural Development

Effective from 1 August 2026

Code	Modul Code	Module Title	ECTS	Module type
Group 1		**Core Competence Modules – compulsory-elective**		
B1	MCLB013	Business Administration for Life Sciences	3	CE
B2	MCLB023	Management and Leadership for Life Sciences	3	CE
B3	MCLB033	Innovation and Project Management	3	CE
B4	MCLB043	Politics and Society	3	CE
D1*	MCLB053	Handling and Visualizing Data	3	CE
D2*	MCLB063	Design and Analysis of Experiments	3	CE
D3*	MCLB073	Modelling and Exploration of Multivariate Data	3	CE
D4	MCLB083	Data and Ethics	3	CE
Group 1		**Minimum required** ***One of the modules D1, D2 or D3 must be successfully passed.**	**12**	
Group 2		**Cluster-specific Modules– compulsory-elective**		
E1	MCLC013	Journal Club Environmental and Natural Resource Sciences	3	CE
E2	MCLC023	Life Cycle Assessment	3	CE
E3	MCLC033	Sustainable Natural Resource Management	3	CE
E4	MCLC043	Ecological Infrastructure in Landscapes	3	CE
E5	MCLC053	Biodiversity	3	CE
E6	MCLC063	Water Management for Households, Industry and Agriculture	3	CE
F4	MCLC103	Sustainable Food Supply Chains	3	CE
F5	MCLC113	Advanced Sensory Techniques	3	CE
Group 2		**Minimum required**	**9**	
Group 3		**Generic Specialisation Modules– compulsory-elective**		
AF-01	MCLs235	Applied Research in Natural and Social Sciences	5	CE
AF-02	MCLs135	Knowledge Management and Sharing in Agriculture and Forestry	5	CE
AF-03	MCLs175	Integrated Natural Resources Management	5	CE
Group 3		**Minimum required**	**5**	
Group 4		**Major-specific Modules– compulsory-elective**		
AF-11	MCLs015	Logistics, Supply Chain and Network Management	5	CE
AF-12	MCLs025	Consumer Behaviour, Markets and Trade	5	CE
AF-13	MCLs035	Corporate Responsibility and Sustainable Business	5	CE
AF-32	MCLs105	Policies and Institutions as Drivers for Development and Innovation	5	CE
AF-33	MCLs115	Rural and Regional Development in Practice	5	CE
Group 4		**Minimum required**	**15**	
Group 5		**Further Specialisation Modules– compulsory-elective**		
AF-21	MCLs045	Expansion of Personal Scientific Knowledge	5	CE
AF-22	MCLs055	Holistic Assessment of Production Systems	5	CE
AF-23	MCLs065	Optimisation of Production Systems in Agriculture and Forestry	5	CE
AF-24	MCLs075	Advances in Agricultural and Forest Sciences	5	CE
AF-25	MCLs085	Current Topics in Applied Agricultural and Forest Research	5	CE
AF-41	MCLs155	International Forestry	5	CE
AF-51	MCLs175	Land- und forstwirtschaftliche Produktion in Bergregionen	5	CE
AF-52	MCLs185	Natural Hazards and Risk Management	5	CE
AF-53	MCLs195	GIS and the Management of Spatial Data	5	CE
AF-54	MCLs415	Climate Change and Land Systems	5	CE
AF-55	MCLs215	Regionalmanagement, Tourismus und Pärke	5	CE
AF-56	MCLs225	Landscape Development and Planning	5	CE
All groups		**Minimum required from modules** (has to be completed by taking additional modules from groups 1, 2, 3, 4 and 5)	**60**	
Thesis		**Minimum required from Master Thesis**	**30**	
Total		**Minimum required**	**90**	
Group 6		**Bridging Module (not recognised for graduation)**		
AF-00	MCLs404	Agriculture in Switzerland	4	O

Module types: C = compulsory module / CE = compulsory-elective module / O = optional module

A distinction is made between the following module types:

a. compulsory modules,
b. compulsory-elective modules,
c. optional modules.

Compulsory modules are modules which must be taken and passed to graduate in a specific specialisation.
Compulsory-elective modules are modules which must be selected from a module group. If a selected compulsory-elective module is not passed, it can be replaced by another compulsory-elective module within the group.
Optional modules are modules which may be selected from an extended group of modules. A distinction is made between optional modules that are recognised for graduation from the degree programme and optional modules which cannot be recognised.

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Study plan: Specialisation Agricultural Science, Major Sustainable Production Systems

Effective from 1 August 2026

Module	Module Code	Module Title	ECTS	Module type
Group 1		**Core Competence Modules – compulsory-elective**		
B1	MCLB013	Business Administration for Life Sciences	3	CE
B2	MCLB023	Management and Leadership for Life Sciences	3	CE
B3	MCLB033	Innovation and Project Management	3	CE
B4	MCLB043	Politics and Society	3	CE
D1*	MCLB053	Handling and Visualizing Data	3	CE
D2*	MCLB063	Design and Analysis of Experiments	3	CE
D3*	MCLB073	Modelling and Exploration of Multivariate Data	3	CE
D4	MCLB083	Data and Ethics	3	CE
Group 1		**Minimum required** ***One of the modules D1, D2 or D3 must be successfully passed.**	**12**	
Group 2		**Cluster-specific Modules – compulsory-elective**		
E1	MCLC013	Journal Club Environmental and Natural Resource Sciences	3	CE
E2	MCLC023	Life Cycle Assessment	3	CE
E3	MCLC033	Sustainable Natural Resource Management	3	CE
E4	MCLC043	Ecological Infrastructure in Landscapes	3	CE
E5	MCLC053	Biodiversity	3	CE
E6	MCLC063	Water Management for Households, Industry and Agriculture	3	CE
F4	MCLC103	Sustainable Food Supply Chains	3	CE
F5	MCLC113	Advanced Sensory Techniques	3	CE
Group 2		**Minimum required**	**9**	
Group 3		**Generic Specialization Modules – compulsory-elective**		
AF-01	MCLs235	Applied Research in Natural and Social Sciences	5	CE
AF-02	MCLs135	Knowledge Management and Sharing in Agriculture and Forestry	5	CE
AF-03	MCLs175	Integrated Natural Resources Management	5	CE
Group 3		**Minimum required**	**5**	
Group 4		**Major-specific Modules – compulsory**		
AF-21	MCLs045	Expansion of Personal Scientific Knowledge	5	C
AF-22	MCLs055	Holistic Assessment of Production Systems	5	C
AF-23	MCLs065	Optimisation of Production Systems in Agriculture and Forestry	5	C
Group 4		**Minimum required**	**15**	
Group 5		**Further Specialization Modules – compulsory-elective**		
AF-11	MCLs015	Logistics, Supply Chain and Network Management	5	CE
AF-12	MCLs025	Consumer Behaviour, Markets and Trade	5	CE
AF-13	MCLs035	Corporate Responsibility and Sustainable Business	5	CE
AF-32	MCLs105	Policies and Institutions as Drivers for Development and Innovation	5	CE
AF-33	MCLs115	Rural and Regional Development in Practice	5	CE
AF-24	MCLs075	Advances in Agricultural and Forest Sciences	5	CE
AF-25	MCLs085	Current Topics in Applied Agricultural and Forest Research	5	CE
AF-41	MCLs155	International Forestry	5	CE
AF-51	MCLs175	Land- und forstwirtschaftliche Produktion in Bergregionen	5	CE
AF-52	MCLs185	Natural Hazards and Risk Management	5	CE
AF-53	MCLs195	GIS and the Management of Spatial Data	5	CE
AF-54	MCLs415	Climate Change and Land Systems	5	CE
AF-55	MCLs215	Regionalmanagement, Tourismus und Pärke	5	CE
AF-56	MCLs225	Landscape Development and Planning	5	CE

All groups		**Minimum required** (has to be completed by taking additional modules from groups 1, 2, 3 and 5)	**60**	
Thesis		**Minimum required from Master's Thesis**	**30**	
Total		**Minimum required**	**90**	
Group 6		**Bridging Module (not recognised for graduation)**		
AF-00	MCLs404	Agriculture in Switzerland	4	O

Module types: C = compulsory module / CE = compulsory-elective module / O = optional module

A distinction is made between the following module types:

a. compulsory modules,
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