

Study Plan “Food System Sciences” (M.Sc.)

Status: 15.09.2024

Scope: applies to all students who have started their studies from the winter semester 2024/25 onwards

The study plan serves as an overview of the various modules that you have to take in the course of the study programme. The sequence of the modules is a recommendation and the semester offer may deviate from it. The current semester offer can be found in the timetables.

If there are any prerequisites for participation expected, you will find this in the descriptions of the individual modules.

Semester 1 30 ECTS*	A – Inter-/transdisciplinary Competences	Analytics in Life Sciences - from Molecules to Cells – 6 ECTS	Nutritional Physiology – from Cells to Organisms – 6 ECTS	Food Law – from National to International Perspectives – 6 ECTS	Bioeconomy – Sustainable Production, Business, and Society – 6 ECTS	Study Skills, Science Communication, and Research Seminar – 6 ECTS
Semester 2 30 ECTS	B - Specialisation - Electives**	Advanced Analytics and Food Quality - 5 ECTS	Advanced Human Physiology - 5 ECTS	Advanced Institutional and Substantive EU Food Law - 5 ECTS	Advanced Business Analytics - 5 ECTS	
		Advanced Nutritional Biochemistry and Physiology - 5 ECTS		Advanced Institutional and Substantive International Food Law - 5 ECTS	Advanced Theories in Food Studies - 5 ECTS	
		Advanced Microbiology – Food Microbiology - 5 ECTS		Seminar Entrepreneurship and Innovation - 5 ECTS		
		Advanced Genetics and Epigenetics - 5 ECTS				
		Advanced Cell-Environment Interactions - 5 ECTS		Global Political Economy of Food - 5 ECTS		
			Advanced Plant Breeding and Sustainable Food Production - 5 ECTS		Advanced Plant Breeding and Sustainable Food Production - 5 ECTS	
Semester 3 30 ECTS	C - Specialisation***	Current Issues in Analytical Sciences - 5 ECTS	Current Issues in Nutritional Biochemistry and Immunology - 5 ECTS	Current Issues in European and International Food Trade Economic(s) Law - 5 ECTS	Current Issues in Business Analytics - 5 ECTS	
		Current Issues in Biochemistry and Biotechnology of Microorganisms - 5 ECTS	Current Issues in Human Nutrition in Health and Disease - 5 ECTS	Current Issues in European and International Environmental Law - 5 ECTS	Current Issues in Food Studies - 5 ECTS	
		Current Issues in Cellular Responses to External Cues - 5 ECTS	Current Issues in Cellular, Organismal, and Exercise Physiology/ Biology - 5 ECTS	Current Issues in Food and Health Policy - 5 ECTS	Current Issues in Sustainability and Production of Plant-based Foods - 5 ECTS	
	D – Professional competences across specialisations	(Research) Internship - 12 ECTS				Research Seminar Food System Sciences - 3 ECTS
Semester 4 30 ECTS	E - Master's Thesis	Master's Thesis - 30 ECTS				

Colour code:

Specialisation Analytics in Life Sciences – from Molecules to Cells	Specialisation Nutritional Physiology – from Cells to Organisms	Specialisation Food Law – from National to International Perspectives	Specialisation Bioeconomy – Sustainable Production, Business, and Society	Professional competences across specialisations
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**ECTS credits: The awarding of credit points according to the European Credit Transfer System (ECTS) facilitates the international comparability of coursework completed at European higher education institutions. 1 credit point corresponds to approx. 25-30 hours of work.*

***In module area B – Specialisation – Electives – you must pass a total of 30 ECTS points. You must pass at least 15 ECTS points towards one specialisation, ideally the specialisation with which you continue in module area C. The other 15 ECTS points in module area B can be credits towards any of the specialisations.*

****In module area C – Specialisation – you must pass a total of 15 ECTS points within one specialisation.*

Please note that all 5 modules in module area A are compulsory irrespective of your final specialisation.