

Study program B4147 - Sustainable use of natural resources (ATN)
Branch 4106R014 - **Sustainable use of natural resources (ATN)**

BSc full time course

Program guarantor: prof. Ing. Svatopluk Matula, CSc.

1st year

	Subject	ECTS	AS	SS
TAA11E	Applied Mathematics	5	2/2 E	
TBA03E	Physics Applied to Biology	6	2/2 E	
APA35E	Fundamentals of Geology	5	2/2 E	
ACA09E	Inorganic and Analytical Chemistry	5	2/2 E	
AEA01E	Zoology	5	2/2 E	
RTX16Z	Sport	1	2/0 C	
selected	Foreign Language	2+3	0/2 C	0/2 E
RTX17Z	Sport	1		2/0 C
ABA14E	General and Special Agricultural Botany	6		2/2 E
ACA07E	Organic Chemistry	6		2/2 E
AEA32E	Principles of Agroecology	4		2/1 E
AWA49Z	Practical Training	5		15 days/C
AEA29Z	Excursions, Field Training	2		2 days C
		56		

2nd year

	Subject	ECTS	AS	SS
AAA27E	Agricultural Systems	5	2/2 E	
AAA25E	Basic Meteorology	6	2/2 E	
EEA14E	Fundamentals of Economics I	5	2/1 E	
AMA11E	Fundamentals of Microbiology	6	2/2 E	
APA38E	Soil Science	6	2/2 E	
	2x Compulsory Optional Subject I *)	selected	AS or SS	
ASA22E	Animal Production and Environment	6		2/2 E
ARA31E	Plant Production and Environment	6		2/2 E
AUA08Z	Practical Bachelor Training	5		5 days C
AWA26Z	BSc. Thesis	5		0/5 z
AUA26Z	Specialized Practice	6		25 days C
		56 + optional subjects		

3rd year

	Subject	ECTS	AS	SS
AIA07E	Hydrology and Hydrogeology	6	2/2 E	
AIA07Z	Excursion	1	1 day C	
AZA68E	Establishment and Maintenance of Greenery	5	2/2 E	
AZA67E	Fundamentals of Orchards and Urban Design	6	2/2 E	
AHA33E	Waste Handling	6	2/2 E	
AWA27Z	BSc. Thesis	5+5	0/5 C	0/5 C
	1x Compulsory Optional Subject II *	selected	AS or SS	
	2x Fully Optional Subject **	selected	AS or SS	
AHA30Z	Excursion and Field Training	2		2 days C
		36 + optional subjects		
		148 + optional subjects		

* Chosen Subject from the List of Compulsory Optional Subjects

** Chosen Subject from the List of Compulsory Optional Subjects II or Subjects Which Are Taught in English at CULS Prague

List of Optional Subjects

	Compulsory Optional Subject I	ECTS	AS	SS
APA37E	Applied Cartography	6	2/2 E	
ATA23E	Fundamentals of Turf and Lawn Management	5		2/2 E
AZA66E	Fundamentals of Landscape Architecture	4	2/2 E	2/2 E
LHX01E	Fundamentals of Forest Management	4		2/2 E

	Compulsory Optional Subject II	ECTS	AS	SS
EEE43E	EU Integration Process in Agriculture	5	2/1 E	
EUA03E	Trade and Commerce	5	2/2 E	
AGA44E	Fundamentals of Genetics	6	2/2 E	2/2 E
EEA16E	Environmental Economics	5		2/1 E
AZA21E	Fundamentals of Vegetables, Edible Mushrooms and Sprouts Production	4		2/1 E

Explanation: AS = Autumn semester; SS = Spring semester; E = Examination; C = Credited

The student should enrol in the Erasmus + program and should spend one semester abroad at one of our sister universities. If a student has an approved "Learning Agreement" (list of courses at a sister university) by Study Program guarantor then all fulfilled equivalent courses at a foreign university are accepted and he/she do not need to complete these courses from the curriculum here above.

State exam

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Subject of the SE (corridor)	Subjects of the corridor
Theory of Natural Resources	Basic Meteorology
	Soil Science
	Fundamentals of Microbiology
	Hydrology and Hydrogeology
Use of Natural Resources	Fundamentals of Orchards and Urban Design
	Plant Production and Environment
	Animal Production and Environment
	Waste Handling
Defense of the Bachelor Thesis	