

University of Transilvania, Braşov, Romania

Study program: Food Control and Expertise

Faculty: Food and Tourism
 Study period: 4 years (Bachelor)
 Academic year structure: 2 semesters (14 weeks per semester)
 Examination sessions (two): winter session (January/ February)
 summer session (June/ July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

No crt	Course	Code	language of instruction	1 st Semester					2 nd Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
01	Mathematics	MATE	romanian	2	2	-	-	4					
02	Chemistry	CHIM	romanian	2	-	2	-	4					
03	Physics	FIZ	romanian	2	-	2	-	5					
04	Ecology and environmental protection	EPM	romanian	2	-	1	-	4					
05	Basic computer use	BC	romanian	2	-	2	-	5					
06	Mechanical engineering elements I	EIM	romanian	2	-	2	-	5					
07	Analytical chemistry	AC	romanian	2	-	2	-	4					
08	Mathematical Statistics	MS	romanian						2	2	-	-	4
09	Technical drawing and infographics	TDI	romanian						2	-	2	-	5
10	Elements of Electrical Engineering	EIE	romanian						2	-	2	-	4
11	Heat and mass transfer operations	HMT0	romanian						2	-	2	-	5
12	Biochemistry I	BCH	romanian						2	-	2	-	5
13	English language I/II French language I/II German language I/II Spanish language I/II	LE 01/LE 02 LF 01/ LF 02 LG 01/LG 02 LS 01/LS 02		1	1	-	-	2	1	1	-	-	2
14	Physical education	EF01/EF02	romanian	-	1	-	-	1	-	1	-	-	1
15	Ethics and academic integrity	EAI	romanian	1	1	-	-	1					
16	Digitalization and artificial intelligence	DAI	Romanian						2	-	2	-	4

2nd Year

No. crt.	Course	Code	language of instruction	3 rd Semester					4 th Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
01	Mechanical engineering elements I	EIM 1	romanian	2	-	2	-	4					
02	Human nutrition principles	PNU	romanian	2	-	2	-	4					
03	General Microbiology	MG	romanian	2	-	2	-	5					
04	Unitary operations in food industry I	OUIA1	romanian	2	-	2	-	5					
05	Biochemistry II	BCH 2	romanian	2	-	2	-	5					
06	Ethics in food industry	EFI	romanian	2	-	2	-	5					
07	Consumer behaviour	COCO	romanian						2	2	-	-	4
08	Hygiene in food industry company	ISIA	romanian						2	2	-	-	4
09	Mechanical engineering elements II								2	-	2	-	4
10	Special microbiology	MS	romanian						2	-	2	-	4
11	Unitary operations in food industry II	OUIA2	romanian						2	-	2	-	4

12	Computer Aided Design	GAC	romanian						2	-	2	-	4
13	Technological Work Placement	PD	romanian						90 hours				4
14	English language	LE 03/LE 04		1	1	-	-	2	1	1	-	-	2
	French language	LF 03/ LF 04											
	German language	LG 03/ LG 04											
	Spanish language	LS 03/LS 04											
15	Physical education	EF03/EF04	romanian	-	1	-	-	1	-	1	-	-	1

3rd Year

No. crt.	Course	Code	language of instruction	5 th Semester					6 th Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
01	General technologies in food industry I	TGIA 1	romanian	2	-	2	-	4					
02	Analysis of food products	APA	romanian	2	-	2	-	4					
03	Global food security policies and strategies	PSGSA	romanian	2	-	1	-	4					
04	Food Industry Machinery and Equipment I	UIA 1	romanian	2	-	2	-	4					
05	Food Industry Machinery and Equipment I – project	UIA 1 - project	romanian	-	-	-	2	4					
06	Additives and ingredients in the food industry	AIIA	romanian	2	-	2	-	4					
07	Minimal athermal and thermal processing of food products	PMATA	romanian	2	-	1	-	-					
08	Packaging, labelling and design in food industry	ADIA	romanian						2	-	1	1	4
09	General technologies in food industry II	TGIA 2	romanian						2	-	2	-	3
10	Food Industry Machinery and Equipment I	UIA 1	romanian						2	-	2	-	3
11	Food Industry Machinery and Equipment I – project	UIA 1 - project	romanian						-	-	-	1	2
12	Food products inocuity	IPA	romanian						2	-	2	-	4
13	Methods and Instrumental analysis techniques I	MTAI1	romanian						2	-	2	-	4
14	Functional food products	AF	romanian						2	-	2	-	3
15	Food Control and Quality Assurance	CSVSA	romanian	2	-	2	-	4					
	Epidemiology and public health	ESP	romanian										
16	Quality control of vegetable products	CCPV	romanian						2	-	1		3
	New products designing	PPN	romanian										
17	Specialized practice	PS	romanian						90 hours				4

4th Year

No. crt.	Course	Code	language of instruction	7 th Semester					8 th Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
01	Marketing	MAR	romanian	2	1	-	1	4					
02	Quality control of vegetable products	CCPV	romanian	2	-	2	-	5					
03	Control of Agri-Foods of Animal Origin	CCPA	romanian	2	-	2	-	5					
04	Food Expertise and Safety I	ESA 1	romanian	2	-	2	-	4					
05	Methods and Techniques for Instrumental Analysis II	MTAI 2	romanian	2	-	2	-	4					

	Chromatographic and electrophoretic methods of food analysis II	MCEAA 2	romanian											
06	Principles and Methods of Food Conservation	PCPA	romanian	2	-	2	-	4						
	Food products innocuity II	IPA 2	romanian											
07	Food control and quality assurance in food industry	CACIA	romanian	2	-	2	-	4						
08	Management	MNG	romanian						2	1	-	-	3	
09	Sensorial Analyses II	AS2	romanian						2	-	2	-	4	
10	Food Authentication and Falsification	AFA	romanian						2	-	2	-	3	
	Spectroscopic methods in food analysis	MSAA	romanian											
11	Quality management	MC	romanian						2	1	-	-	3	
12	Food rheology	RA	romanian						2	-	1	-	3	
13	General economy	EG	romanian						2	1	-	1	3	
	Communication	CO	romanian											
14	Special Biotechnologies	BS	romanian						2	-	1	-	3	
15	BSc Project Preparation	PD	romanian						-	4	-	-	4	
16	BSc Practice	PRDI	romanian						60 hours				4	
17	BSc Project Presentation	PP	romanian											