Transilvania University of Braşov, Romania
Study program: Food Engineering

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	1st Semester					2nd Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
1.	Mathematics	MAT	Romanian	2	2	–	–	4					
2.	Chemistry	CHIM	Romanian	2	–	2	–	4					
3.	Physics	FIZ	Romanian	2	–	2	–	4					
4.	Ecology and environment protection	EPM	Romanian	2	1	–	–	4					
5.	Basics of using computers	BUC	Romanian	2	–	2	–	5					
6.	Analytic chemistry	CAN	Romanian	2	–	2	–	5					
7.	Sport	EF1	Romanian	–	1	–	–	1					
8.	Ethics and Academic Integrity I	EIA	Romanian	1	1	–	–	1					
9.	English language French language German language Spanish language Italian language	LE 01 LF 01 LG 01 LS 01 LI 01	–	1	1	–	–	2					
10.	Theory of probabilities and mathematical statistics	TPSM	Romanian						2	2	–	–	5
11.	General Microbiology	MG	Romanian						2	–	2	–	4
12.	Food Industry Operations I	OIA1	Romanian						2	–	2	–	5
13.	Technical drawing	DF	Romanian						2	–	2	–	4
14.	Sport	EF2	Romanian						–	1	–	–	1
15.	Biochemistry I	BPA	Romanian						2	–	2	–	5
16.	Digitalization and artificial intelligence	DIA	Romanian						2	–	2	–	5
17.	English language French language German language Spanish language Italian language	LE 02 LF 02 LG /02 LS 02 LI 02	–						1	1	–	–	2

2nd Year

No. crt.	Course	Code	Language of instruction	3rd Semester					4th Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
1.	Food Industry Operations II	OIA2	Romanian	2	-	2	-	5					
2.	Food biotechnologies	BA	Romanian	2	-	2	-	5					
3.	Principles of human nutrition	PNU	Romanian	2	-	2	-	4					
4.	Elements of Mechanical Engineering	EIM	Romanian	2	2	-	-	4					
5.	Elements of Electrical Engineering	EIE	Romanian	2	-	2	-	4					
6.	Biochemistry II	BPA2	Romanian	2	-	2	-	5					
7.	Sport	EF3	Romanian	-	1	-	-	1					
8.	English language French language German language Spanish language Italian language	LE 03 LF 03 LG 03 LS 03 LI 03	-	1	1	-	-	2					
9.	Hygiene of food companies	ISIA	Romanian						2	2	-	-	4
10.	Consumer behavior	COCO	Romanian						2	2	-	-	3
11.	Technical systems in the food industry	STIA	Romanian						2	2	-	-	4
12.	Colloids in food industry	CIA	Romanian						2	-	2	-	4
13.	Heat and mass transfer operations	OTCM	Romanian						2	-	2	-	4
14.	Computer-assisted graphics	GAC	Romanian						2	-	2	-	4
15.	Applied computing	IA	Romanian										
16.	Field practice	FP	Romanian		90								4
17.	Sport	EF4	Romanian						-	1	-	-	1
18.	English language French language German language Spanish language Italian language	LE 04 LF 04 LG /04 LS 04 LI 04	-						1	1	-	-	2

3rd Year

No. crt.	Course	Code	Language of instruction	5th Semester					6th Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
1.	Milling product engineering	IPM	Romanian	2	-	2	-	5					
2.	Innovation in food science	ISA	Romanian	2	-	2	-	5					
3.	Installations and equipment for seed conditioning	IECS	Romanian	2	-	1	1	4					
4.	Principles and methods of food preservation	PCPA	Romanian	2	-	2	-	4					
5.	Air conditioning and cooling installations	CIF	Romanian	2	-	2	-	4					
6.	Additives and ingredients in food industry	AIIA	Romanian	2	-	2	-	4					
7.	Sugar engineering	IZ	Romanian	2	-	2	-	4					
8.	Special microbiology	MS	Romanian						2	-	2	-	3
9.	Vegetal oil technology	IUV	Romanian						2	-	2	-	4
10.	Vegetable and fruit processing engineering	IPLF	Romanian						2	-	2	-	5
11.	Milk and Dairy Engineering	ILPL	Romanian						2	-	2	-	5
12.	Legislation in the food industry	LIA	Romanian						2	2	-	-	3
13.	Specialized practice	PS	Romanian		90								4
14.	Global food security policies and strategies	PSSA	Romanian						2	2	-	-	3
	Food safety I	IPA1	Romanian										

				7th Semester					8th Semester				
15.	Beer technology	IB	Romanian						2	-	2	-	3
	Alcohol and yeast engineering	IAD	Romanian										

4ᵗʰ Year

No. crt.	Course	Code	Language of instruction	7th Semester					8th Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
1.	Marketing of food products	MPA	Romanian	2	1	-	1	3					
2.	Wine and Distilled Beverage Engineering	IVBD	Romanian	2	-	2	-	4					
3.	Meat and meat products engineering	ICPC	Romanian	2	-	1	1	5					
4.	Sensory evaluation of food products I	ISPA	Romanian	2	-	2	-	5					
5.	Process automation in food industry	APIA	Romanian	2	-	2	-	5					
6.	Control and quality assurance in food industry	CCIA	Romanian	2	-	2	-	4					
7.	Special biotechnologies	BS	Romanian	2	-	2	-	4					
	Food rheology	RA	Romanian										
8.	Packaging and labeling in the food industry	AEIA	Romanian						2	-	2	-	4
9.	Bakery product engineering	IPP	Romanian						2	-	2	-	4
10.	Food industry equipment	UIA	Romanian						2	-	1	1	3
11.	Sensory evaluation of food products II	ISPA2	Romanian						2	-	2	-	3
12.	Practice for the diploma project	PRDA	Romanian						-	-	60	-	4
13.	Elaboration of the diploma project	EPD	Romanian						-	4	-	-	4
14.	General economy	EG	Romanian						2	1	-	1	4
	Communication and organizational culture	COM	Romanian										
15.	Management in the food industry	MAN	Romanian						2	1	-	-	4
	Food safety II	IPA2	Romanian										