

University of Life Sciences "King Mihai I" from Timișoara

Faculty of Bioengineering of Animal Resources

Bachelor's Degree Studies

Field: **Engineering and Management in Agriculture and Rural Development**

Study Program: **Entrepreneurship in Food Production**

Form of Education: **Full-time**

Duration of the Program: **4 years / 8 semesters**

Approved by the **RECTOR**

Prof. Eng. Cosmin Alin POPESCU, PhD.

Date: .....

**CURRICULUM / ACADEMIC PLAN  
for the 1st year of study, university year 2025-2026**

No.	SUBJECT	Subject Code	Semester 1 (14 weeks)									Semester 2 (14 weeks)									Total / year			
			L	S	Lab	P	Total Teaching Hours (T.T.H.)	Cv. Hours	I.S. Hours	ECTS credits	E.F.	C	S	L	P	Total Teaching Hours (T.T.H.)	Hours Cv.	I.S. Hours	ECTS credits	E.F.	Cv. Hours	ECTS credits	I.S. Hours	
<b>COMPULSORY Courses:</b>																								
1	Mathematical Analysis	APA.01.F.DOB.1	2	2	-	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69
2	Organic and inorganic chemistry	APA.02.F.DOB.1	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69
3	Fundamentals of economics	APA.03.F.DOB.1	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69
4	Applied informatics	APA.04.F.DOB.1	0	-	2	-	28	28	47	3	C	-	-	-	-	-	-	-	-	-	-	28	3	47
5	Computer-aided graphics	APA.05.F.DOB.1	2	-	2	-	56	84	69	5	C	-	-	-	-	-	-	-	-	-	-	84	5	69
6	Physics	APA.06.F.DOB.1	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69
7	Fundamentals of management	APA.07.F.DOB.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	-	84	4	44
8	Physical and colloidal chemistry	APA.08.F.DOB.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	-	84	5	69
9	Economic statistics	APA.09.F.DOB.2	-	-	-	-	-	-	-	-	-	2	-	1	-	42	70	58	4	E	-	70	4	58
10	Anatomy	APA.10.F.DOB.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	-	84	5	69
11	Ecology and Environmental Protection	APA.11.S.DOB.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	-	84	5	69
12	Fundamentals of marketing	APA.12.F.DOB.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	-	84	4	44
13	Practical Training in the Field (2 weeks)	APA.13.S.DOB.2	-	-	-	-	-	-	-	-	-	-	-	60	-	-	-	15	3	C	-	0	3	15
-	<b>ELECTIVE subjects</b>	-	0	2	-	-	28	28	22	2	C	-	-	-	-	-	-	-	-	-	-	28	2	22
<b>TOTAL</b>			10	4	10	0	336	476	414	30	4E+3C	12	0	11	0	322	490	368	30	6E+1C	966	60	782	
			24									23										35		
<b>ELECTIVE subjects (choose 1 out of 3)</b>																								
14	Foreign Language 1 (English)	APA.14.C.DOP.1	0	2	-	-	28	28	22	2	C	-	-	-	-	-	-	-	-	-	-	28	2	22
15	Foreign Language 2 (French)	APA.15.C.DOP.1	0	2	-	-	28	28	22	2	C	-	-	-	-	-	-	-	-	-	-	28	2	22
16	Foreign Language 3 (German)	APA.16.C.DOP.1	0	2	-	-	28	28	22	2	C	-	-	-	-	-	-	-	-	-	-	28	2	22
<b>FACULTATIVE (OPTIONAL) subjects:</b>																								
1	Physical Education I	APA.01.C.DFA.1	0	1	-	-	14	14	-	1	C	-	-	-	-	-	-	-	-	-	-	14	1	0
2	Educational psychology	DPPD.02.C.DFA.1	2	2	-	-	56	84	-	5	E	-	-	-	-	-	-	-	-	-	-	84	5	0
3	Physical education II	APA.03.C.DFA.2	-	-	-	-	-	-	-	-	-	0	1	-	-	14	14	-	2	C	-	14	2	0
4	Pedagogy I (Fundamentals of pedagogy. Theory and methodology of the Curriculum)	DPPD.04.C.DFA.2	-	-	-	-	-	-	-	-	-	2	2	-	-	56	84	-	5	E	-	84	5	0
Legend: L - no. of lecture hours per week; S - no. of seminar hours per week; Lab - no. of practical work/laboratory hours per week; P - no. of project hours per week; Cv. hours - Conventional hours; CR - ECTS credits; I.S. Hours - Individual Study hours; E.F. - evaluation form: E - exam; C - colloquium; P - Project; Program Code: SB - Sustainable Biotechnology / Subject order / Formative category of the Subject: F - Fundamental; C - Complementary; D - Field-related; S - Specialty / Semester: 1-8.																								
			750	0.870	14	24	336		414			750	0.751	14	23	322		368						

Approved by the **DEAN**,

Prof. Dipl.Eng. Ioan PEȚ, PhD.

Data: 08.07.2025

University of Life Sciences "King Mihai I" from Timișoara

**Faculty of Bioengineering of Animal Resources**

**Bachelor's Degree Studies**

Field: **Engineering and Management in Agriculture and Rural Development**

Study Program: **Entrepreneurship in Food Production**

Form of Education: **Full-time**

Duration of the Program: **4 years / 8 semesters**

**Approved by the RECTOR**

Prof. Eng. Cosmin Alin POPESCU, PhD.

Date: .....

**CURRICULUM / ACADEMIC PLAN**  
**for the 2nd year of study, university year 2025-2026**

No.	SUBJECT	Subject Code	Semester 3 (14 weeks)									Semester 4 (14 weeks)									Total / year				
			L	S	Lab	P	Total Teaching Hours (T.T.H.)	Cv. Hours	I.S. Hours	ECTS credits	E.F.	C	S	L	P	Total Teaching Hours (T.T.H.)	Hours Cv.	I.S. Hours	ECTS credits	E.F.	Cv. Hours	ECTS credits	I.S. Hours		
<b>COMPULSORY Courses:</b>																									
1	Agri-Food economics	APA.01.S.DOB.3	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69	
2	Botany and plant physiology	APA.02.S.DOB.3	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69	
3	Food microbiology	APA.03.S.DOB.3	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69	
4	Communication and public relations	APA.04.C.DOB.3	1	2			42	56	83	5	C	-	-	-	-	-	-	-	-	-	-	56	5	83	
5	Logistics and supply chain management	APA.05.S.DOB.3	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69	
6	Production management	APA.06.S.DOB.3	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	-	84	5	69	
7	Plant and animal agricultural technologies	APA.07.S.DOB.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	-	84	5	69	
8	Human resource management	APA.08.S.DOB.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	-	84	5	69	
9	Food hygiene	APA.09.S.DOB.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	-	84	4	44	
10	Research methods and techniques in the food industry	APA.10.S.DOB.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	-	84	5	69	
11	Accounting	APA.11.S.DOB.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	C	-	84	4	44	
12	Practical Training in the Field (2 weeks)	APA.12.S.DOB.4	-	-	-	-	-	-	-	-	-	-	-	60	-	-	-	15	3	C	-	0	3	15	
-	<b>ELECTIVE subjects</b>	-	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	C	-	84	4	44	
<b>TOTAL</b>			11	2	10	0	322	476	428	30	5E+1C	12	0	12	0	336	504	354	30	4E+3C	980	60	782		
			<b>23</b>									<b>24</b>													
<b>ELECTIVE subjects (choose 1 out of 2)</b>																									
13	Financing and credit	APA.13.S.DOP.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	C	-	84	4	44	
14	Institutions, mechanisms, and community terminologies	APA.14.S.DOP.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	C	-	84	4	44	
<b>FACULTATIVE (OPTIONAL) subjects:</b>																									
1	Foreign Language 1 (English)	APA.01.C.DFA.3	0	2	-	-	28	28	-	2	C	-	-	-	-	-	-	-	-	-	-	28	2	0	
2	Pedagogy II (Theory and methodology of instruction. Theory and methodology of assessment)	DPPD.02.C.DFA.3	2	2	-	-	56	84	-	5	E	-	-	-	-	-	-	-	-	-	-	84	5	0	
3	Didactics of the specialization	DPPD.03.C.DFA.4	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	-	5	E	-	84	5	0	
Legend: L - no. of lecture hours per week; S - no. of seminar hours per week; Lab - no. of practical work/laboratory hours per week; P - no. of project hours per week; Cv. hours - Conventional hours; CR - ECTS credits; I.S. Hours - Individual Study hours; E.F. - evaluation form: E - exam; C - colloquium; P - Project; Program Code: SB - Sustainable Biotechnology / Subject order / Formative category of the Subject: F - Fundamental; C - Complementary; D - Field-related; S - Specialty / Semester: 1-8.			<b>750</b>	0.899	14	<b>23</b>	<b>322</b>		<b>428</b>			<b>750</b>	0.702	14	<b>24</b>	<b>336</b>		<b>354</b>							

**Approved by the DEAN,**

Prof. Dipl.Eng. Ioan PETI, PhD.

Date: 08.07.2025

University of Life Sciences "King Mihai I" from Timișoara

Faculty of Bioengineering of Animal Resources

Bachelor's Degree Studies

Field: **Engineering and Management in Agriculture and Rural Development**

Study Program: **Entrepreneurship in Food Production**

Form of Education: **Full-time**

Duration of the Program: **4 years / 8 semesters**

Approved by the **RECTOR**

Prof. Eng. Cosmin Alin POPESCU, PhD.

Date: .....

**CURRICULUM / ACADEMIC PLAN  
for the 3rd year of study, university year 2025-2026**

No.	SUBJECT	Subject Code	Semester 5 (14 weeks)										Semester 6 (14 weeks)										Total / year		
			L	S	Lab	P	Total Teaching Hours (T.T.H.)	Cv. Hours	I.S. Hours	ECTS credits	E.F.	C	S	L	P	Total Teaching Hours (T.T.H.)	Hours Cv.	I.S. Hours	ECTS credits	E.F.	Cv. Hours	ECTS credits	I.S. Hours		
<b>COMPULSORY Courses::</b>																									
1	General animal technologies I	APA.01.S.DOB.5	4	-	4	-	112	168	13	5	E	-	-	-	-	-	-	-	-	-	168	5	13		
2	Fish farming and aquaculture	APA.02.S.DOB.5	2	-	2	-	56	84	44	4	E	-	-	-	-	-	-	-	-	-	84	4	44		
3	Fundamentals of entrepreneurship	APA.03.S.DOB.5	2	-	1	-	42	70	83	5	E	-	-	-	-	-	-	-	-	-	70	5	83		
4	Human nutrition	APA.04.S.DOB.5	2	-	1	-	42	70	83	5	E	-	-	-	-	-	-	-	-	-	70	5	83		
5	Processing of agricultural products	APA.05.S.DOB.5	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	84	5	69		
6	Ethics and Academic Integrity	APA.06.C.DOB.5	1	-	-	-	14	28	36	2	C	-	-	-	-	-	-	-	-	-	28	2	36		
7	General animal technologies II	APA.07.S.DOB.6	-	-	-	-	-	-	-	-	-	4	-	4	-	112	168	13	5	E	168	5	13		
8	Expert evaluation and quality assessment of agri-food products	APA.08.S.DOB.6	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	84	5	69		
9	Technology of apicultural products	APA.09.S.DOB.6	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	84	5	69		
10	Prelucrarea produselor din piscicultură și acvacultură	APA.10.S.DOB.6	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	69	5	E	84	5	69		
11	Practical Training	APA.11.S.DOB.6	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	5	5	C	0	5	5		
-	<b>ELECTIVE subjects I</b>	-	2	2	-	-	56	84	44	4	C	-	-	-	-	-	-	-	-	-	84	4	44		
-	<b>ELECTIVE subjects II</b>	-	-	-	-	-	-	-	-	-	-	2	2	-	-	56	84	69	5	C	84	5	69		
<b>TOTAL</b>			15	2	10	0	378	588	372	30	5E+1C	12	2	10	0	336	504	294	30	6E+2C	1092 39	60	666		
<b>ELECTIVE subjects I (choose 1 out of 2)</b>																									
12	Entrepreneurial behavior	APA.12.S.DOP.5	2	2	-	-	56	84	44	4	C	-	-	-	-	-	-	-	-	-	84	4	44		
13	Leadership and organizational behavior	APA.13.S.DOP.5	2	2	-	-	56	84	44	4	C	-	-	-	-	-	-	-	-	-	84	4	44		
<b>ELECTIVE subjects II (choose 1 out of 2)</b>																									
14	Entrepreneurship and Agri-Food Business Development	APA.14.S.DOP.6	-	-	-	-	-	-	-	-	-	2	2	-	-	56	84	69	5	C	84	5	69		
15	Legislative aspects of designing and developing businesses in the food industry	APA.15.S.DOP.6	-	-	-	-	-	-	-	-	-	2	2	-	-	56	84	69	5	C	84	5	69		
<b>FACULTATIVE (OPTIONAL) subjects:</b>																									
1	Bioinformatics	APA.01.C.DFA.5	1	-	2	-	42	56	-	3	C	-	-	-	-	-	-	-	-	-	56	3	0		
2	Computer-assisted instruction	DPPD.02.C.DFA.5	1	1	-	-	28	42	-	2	C	-	-	-	-	-	-	-	-	-	42	2	0		
3	Pedagogical Practice in Compulsory Pre-University Education (I)	DPPD.03.C.DFA.5	0	3	-	-	42	42	-	3	C	-	-	-	-	-	-	-	-	-	42	3	0		
4	Classroom Management	DPPD.04.C.DFA.6	-	-	-	-	-	-	-	-	-	1	1	-	-	28	42	-	3	E	42	3	0		
5	Pedagogical Practice in Compulsory Pre-University Education (II)	DPPD.05.C.DFA.6	-	-	-	-	-	-	-	-	-	0	3	-	-	36	36	-	2	C	36	2	0		
Legend: L - no. of lecture hours per week; S - no. of seminar hours per week; Lab - no. of practical work/laboratory hours per week; P - no. of project hours per week; Cv. hours - Conventional hours; CR - ECTS credits; I.S. Hours - Individual Study hours; E.F. - evaluation form: E - exam; C - colloquium; P - Project; Program Code: SB - Sustainable Biotechnology / Subject order / Formative category of the Subject: F - Fundamental; C - Complementary; D - Field-related; S - Specialty / Semester: 1-8.																									
			750	0.633	14	27	378		372			750	0.583	14	24	336		294							

Approved by the **DEAN**,

Prof. Dipl.Eng. Ioan PET, PhD.

Data: 08.07.2025

University of Life Sciences "King Mihai I" from Timișoara

Faculty of Bioengineering of Animal Resources

Bachelor's Degree Studies

Field: Engineering and Management in Agriculture and Rural Development

Study Program: Entrepreneurship in Food Production

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Duration of the Program: 4 years / 8 semesters

Approved by the RECTOR

Prof. Eng. Cosmin Alin POPESCU, PhD.

Date: .....

**CURRICULUM / ACADEMIC PLAN  
for the 4th year of study, university year 2025-2026**

No.	SUBJECT	Subject Code	Semester 7 (14 weeks)								Semester 8 (14 weeks)								Total / year				
			L	S	Lab	P	Total Teaching Hours (T.T.H.)	Cv. Hours	I.S. Hours	ECTS credits	E.F.	C	S	L	P	Total Teaching Hours (T.T.H.)	Hours Cv.	I.S. Hours	ECTS credits	E.F.	Cv. Hours	ECTS credits	I.S. Hours
<b>COMPULSORY Courses:</b>																							
1	Economic and financial analysis	APA.01.S.DOB.7	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	84	5	69
2	Quality management	APA.02.S.DOB.7	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	84	5	69
3	Applied biotechnologies in food production	APA.03.C.DOB.7	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	84	5	69
4	Entrepreneurship in the food industry	APA.04.S.DOB.7	2	-	2	-	56	84	69	5	E	-	-	-	-	-	-	-	-	-	84	5	69
5	Entrepreneurial management	APA.05.S.DOB.8	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	84	4	44
6	Entrepreneurial creativity and innovation	APA.06.S.DOB.8	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	84	4	44
7	Technology and valorization of animal products	APA.07.S.DOB.8	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	84	4	44
8	Risk assessment techniques in food industry organizations	APA.08.S.DOB.8	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	84	4	44
9	Strategies and policies for sustainable development in the food industry	APA.09.S.DOB.8	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	44	4	E	84	4	44
10	DIPLOMA project writing	APA.10.S.DOB.8	-	-	-	-	-	-	-	-	-	-	-	126	-	-	-	24	6	C	0	6	24
-	<b>ELECTIVE subjects I</b>	-	2	-	2	-	56	84	69	5	C	-	-	-	-	-	-	-	-	-	84	5	69
-	<b>ELECTIVE subjects II</b>	-	2	-	2	-	56	84	69	5	C	-	-	-	-	-	-	-	-	-	84	5	69
-	<b>ELECTIVE subjects III</b>	-	-	-	-	-	-	-	-	-	-	2	2	-	56	84	44	4	C	84	4	44	
<b>TOTAL</b>			12	0	12	0	336	504	414	30	4E+2C	12	2	10	0	336	504	288	30	5E+2C	1008	60	702
			24								24								36				
-	<b>DIPLOMA DEFENSE</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	E	-	10	-
<b>ELECTIVE subjects I (choose 1 out of 2)</b>																							
11	Organization and optimization of food production systems	APA.11.S.DOP.7	2	-	2	-	56	84	69	5	C	-	-	-	-	-	-	-	-	-	84	5	69
12	Standardization and certification of food products	APA.12.S.DOP.7	2	-	2	-	56	84	69	5	C	-	-	-	-	-	-	-	-	-	84	5	69
<b>ELECTIVE subjects II (choose 1 out of 2)</b>																							
13	Entrepreneurial education	APA.13.S.DOP.7	2	-	2	-	56	84	69	5	C	-	-	-	-	-	-	-	-	-	84	5	69
14	Leadership and organizational behavior	APA.14.S.DOP.7	2	-	2	-	56	84	69	5	C	-	-	-	-	-	-	-	-	-	84	5	69
<b>ELECTIVE subjects III (choose 1 out of 2)</b>																							
15	Entrepreneurial economics and business simulations	APA.15.S.DOP.8	-	-	-	-	-	-	-	-	-	2	2	-	56	84	44	4	C	84	4	44	
16	Technological innovation in food production	APA.16.S.DOP.8	-	-	-	-	-	-	-	-	-	2	2	-	56	84	44	4	C	84	4	44	
<b>FACULTATIVE (OPTIONAL) subjects:</b>																							
1	Driving of Motor Vehicles I	APA.01.C.DFA.7	1	-	2	-	42	56	-	0	-	-	-	-	-	-	-	-	-	-	56	0	0
2	Driving of Motor Vehicles II	APA.02.C.DFA.8	-	-	-	-	-	-	-	-	-	1	-	2	-	42	56	-	0	C	56	0	0
Legend: L - no. of lecture hours per week; S - no. of seminar hours per week; Lab - no. of practical work/laboratory hours per week; P - no. of project hours per week; Cv. hours - Conventional hours; CR - ECTS credits; I.S. Hours - Individual Study hours; E.F. - evaluation form: E - exam; C - colloquium; P - Project; Program Code: SB - Sustainable Biotechnology / Subject order / Formative category of the Subject: F - Fundamental; C - Complementary; D - Field-related; S - Specialty / Semester: 1-8.																							
			750	0.821	14	24	336	504	414			750	0.571	14	24	336	504	288					

Approved by the DEAN,  
Prof. Dipl.Eng. Ioan PET, PhD.  
Data: 08.07.2025