



CURRICULUM
(Valid for the 2025-2029 bachelor cycle)
1st year - Academic year 2025-2026

Faculty of **Biotechnologies**
Domain: **Biotechnologies**
Study programme: **Biotechnology**
Form of study: Full-Time; Duration: **4 years**

Approved,
RECTOR
Prof.univ.dr. Sorin Mihai CÎMPEANU

No.	28 weeks	Code	Semester I							Semester II							Total HOURS		Total Credits
	DISCIPLINE		14 weeks			Pt.	Pr.	Exam type	Cr.	14 weeks			Pt.	Pr.	Exam type	Cr.	Teaching	IS	
			C	S	L					C	S	L							
1	Mathematics		2	2				E	5								56	69	5
2	Biophysics		2	2				E	5								56	69	5
3	Microbiology		2		2			E	5	2		2			E	5	112	138	10
4	Chemistry		2		2			E	5	2		2			E	5	112	138	10
5	Cell Biology									2		2			E	5	56	69	5
6	Informatics		2		2			VP	4	2		2			VP	4	112	88	8
7	Ecology and Environmental Protection		2		2			VP	4								56	44	4
8	Botany/Anatomy									2		2			E	5	56	69	5
9	Analytical and Instrumental Chemistry									2		2			VP	4	56	44	4
10	Foreign languages (French / Scientific English)		2	1				C	2	2	1				C	2	84	16	4
TOTAL			14	5	8				30	14	1	12				30	756	744	60
11	Practical training (1 week x 30 hours/week)														C	3	30	0	3
TOTAL PRACTICE																3	30	0	3
12	Sports* (passed/rejected)				2			C	1			2			C	1	56	0	2
13	Volunteer activities			1				C	2		1				C	2	28	0	4
TOTAL FACULTATIVE DISCIPLINES				1	2				3		1	2				3	84	0	6
TOTAL YEAR OF STUDY			14	6	10				33	14	2	14				36	870	744	69

Programme responsible
Şef lucrări dr. Elisabeta Elena POPA

Dean
Prof. dr. Narcisa Elena BĂBEANU



Faculty of **Biotechnologies**

Domain: **Biotechnologies**

Study programme: **Biotechnology**

Form of study: Full-Time; Duration: **4 years**

CURRICULUM

(Valid for the 2025-2029 bachelor cycle)

2nd year - Academic year 2026-2027

Approved,

RECTOR

Prof.univ.dr. Sorin Mihai CÎMPEANU

No.	28 weeks	Code	Semester I							Semester II							Total HOURS		Total Credits
			14 weeks			Pt.	Pr.	Exam type	Cr.	14 weeks			Pt.	Pr.	Exam type	Cr.	Teaching	IS	
	C		S	L	C					S	L								
1	Biochemistry		2		2			E	5	2		2			E	5	112	138	10
2	Genetics		2		2			E	5								56	69	5
3	Biotechnological Installations and Bioreactors		2	2				VP	5								56	69	5
4	Enzimology									2		2			E	5	56	69	5
5	Molecular Biology									2		2			E	5	56	69	5
6	Cell and Tissue Cultures		2		2			E	5	2		2			E	5	112	138	10
7	Toxicology		2		2			VP	5								56	69	5
8	Fermentative biotechnology									2		2			VP	5	56	69	5
9	Plant physiology / Animal physiology		2		2			E	5								56	69	5
10	Experimental Technique									2	2				VP	5	56	69	5
TOTAL			12	2	10				30	12	2	10				30	672	828	60
11	Practical training (3 weeks x 30 hours/week)														C	3	90	30	3
TOTAL PRACTICE																3	90	30	3
12	Sports* (passed/rejected)				2			C	1			2			C	1	56	0	2
13	Biotechnologies in Animal Nutrition									2	1				VP	2	42	8	2
14	Volunteer activities			1				C	2		1				C	2	28	0	4
TOTAL FACULTATIVE DISCIPLINES				1	2				3	2	2	2				5	126	8	8
TOTAL YEAR OF STUDY			12	3	12				33	14	4	12				38	888	866	71

Programme responsible

Şef lucrări dr. Elisabeta Elena POPA

Dean

Prof. dr. Narcisa Elena BĂBEANU



Faculty of **Biotechnologies**

Domain: **Biotechnologies**

Study programme: **Biotechnology**

Form of study: Full-Time; Duration: **4 years**

CURRICULUM
(Valid for the 2025-2029 bachelor cycle)
3rd year - Academic year 2027-2028

Approved,
RECTOR
Prof.univ.dr. Sorin Mihai CÎMPEANU

No.	28 weeks	Code	Semester I							Semester II							Total HOURS		Total Credits
	DISCIPLINE		14 weeks			Pt.	Pr.	Exam type	Cr.	14 weeks			Pt.	Pr.	Exam type	Cr.	Teaching	IS	
			C	S	L					C	S	L							
1	Genetic Engineering		2		2			E	5								56	69	5
2	Genetically Modified Organisms									2		2			E	5	56	69	5
3	Biotechnology for waste valorization / Nanobiotechnology and biomaterials									2	2				VP	4	56	44	4
4	Special Enzymology		2		2			VP	5								56	69	5
5	Food Biotechnologies		2		2			E	5	2		2			E	5	112	138	10
6	Pharmaceutical Biotechnologies		2		2			E	5	2		2			E	5	112	138	10
7	Plant Biotechnologies		2		2			E	5	2		2			E	5	112	138	10
8	Food Chemistry / Plant Protection by Biotechnological Methods / Immunology									2		2			VP	4	56	44	4
9	Food Microbiology /Soil Microbiology /Medical Microbiology		2		2			VP	5								56	69	5
10	Ethics and academic integrity									1	1				VP	2	28	22	2
TOTAL			12	0	12				30	13	3	10				30	700	800	60
10	Practical training (3 weeks x 30 hours/week)														C	3	90	30	3
TOTAL PRACTICE																3	90	30	3
11	Nutrition and Food		1	1				VP	2								28	22	2
12	Production and Business Management in Biotechnology									1	1				VP	2	28	22	2
13	Micropropagation		2		2			VP	4								56	44	4
14	Volunteer activities			1				C	2		1				C	2	28	0	4
TOTAL FACULTATIVE DISCIPLINES			3	2	2				8	1	2					4	140	88	12
TOTAL YEAR OF STUDY			15	2	14				38	14	5	10				37	930	918	75

Programme responsible
Şef lucrări dr. Elisabeta Elena POPA

Dean
Prof. dr. Narcisa Elena BĂBEANU



Faculty of **Biotechnologies**

Domain: **Biotechnologies**

Study programme: **Biotechnology**

Form of study: Full-Time; Duration: **4 years**

CURRICULUM
(Valid for the 2025-2029 bachelor cycle)
4th year - Academic year 2028-2029

Approved,
RECTOR
Prof.univ.dr. Sorin Mihai CÎMPEANU

No.	24 weeks		Code	Semester I							Semester II							Total HOURS		Total Credits
	DISCIPLINE			14 weeks			Pt.	Pr.	Exam type	Cr.	10 weeks			Pt.	Pr.	Exam type	Cr.	Teaching	IS	
				C	S	L					C	S	L							
1	Accounting and Economic-Financial Analysis			2	2				VP	5								56	69	5
2	Bioethics and Biotechnological Legislation			1	1				VP	3								28	47	3
3	Management and Marketing of Biotechnological Products										2	2				E	5	40	85	5
4	Conditioning and Preservation of Biotechnological Products			2		2			E	5	2		2			E	5	96	154	10
5	Control and Expertise of Biotechnological Products			2		2			E	5								56	69	5
6	Principles and Techniques of Working in Genomics			2	2				VP	5								56	69	5
7	Enzyme and Protein Biotechnology										2		2			E	5	40	85	5
8	Bioinformatics			1	1				VP	2								28	22	2
9	Proteomics										2		2			VP	5	40	85	5
10	Food processing / Laboratory Diagnosis of Plant Diseases / Biotechnologies for vaccines obtaining										2		2			E	5	40	85	5
11	Food Safety / Biopesticides / Pathology			2		2			E	5								56	69	5
12	Biotechnologies for Starter Cultures Production / Biotechnologies for Obtaining Phytotherapeutic Products / Biotechnological Products for Animal Therapy										2		2			VP	5	40	85	5
TOTAL				12	6	6				30	12	2	10				30	576	924	60
13	Practical training (2 weeks x 30 hours/week)															C	3	60	15	3
14	Diploma project elaboration (2 weeks x 30 hours/week)															C	3	60	15	3
TOTAL PRACTICE																	6	120	30	6
15	Intellectual Property										1	1				VP	2	20	30	2
16	Project Management			1	1				VP	2								28	43	2
17	Volunteer activities				1				C	2		1					2	24	0	4
TOTAL FACULTATIVE DISCIPLINES				1	2					4	1	2					4	72	73	8
18	Diploma exam																10			10
TOTAL YEAR OF STUDY				13	8	6				34	13	4	10				50	768	1027	84

Programme responsible
Şef lucrări dr. Elisabeta Elena POPA

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Prof. dr. Narcisa Elena BĂBEANU