

ROMANIA

“VASILE ALECSANDRI” UNIVERSITY OF BACAU

Faculty of Engineering

Calea Mărășești, Nr. 157, Bacău, 600115, Tel./Fax +40 234 580170

<http://www.ub.ro/inginerie/> ; e-mail: decaning@ub.ro



Field of Study: Chemical Engineering

Study Programme: Chemistry of Bioactive Molecules: Production, Valorisation, Control and Quality Assurance

2023-2024 academic year

CURRICULUM

1st year of study

No	Subject	Number of ECTS credits	Examination form	Semester
1.	Modelling and simulation of industrial processes	6	W	1
2.	Processing of experimental data	4	W	1
3.	Organization and planning of research - development activities	9	W	1
4.	Ethics and academic integrity	2	O	1
5.	Superior resources valorisation	9	W	1
6.	Natural compounds – obtaining and valorization in food, pharmaceutical and cosmetics industries	6	W	2
7.	Modern methods of instrumental analysis applied in food, pharmaceutical and cosmetics industries	6	W	2
8.	Separation products engineering – applications in food, pharmaceutical and cosmetics industries	5	W	2
9.	Modern technologies of bioresources processing in food, pharmaceutical and cosmetics industries	5	W	2
10.	Applicative research project 1	4	M	2
11.	Research practice (90 hours)	4	M	2

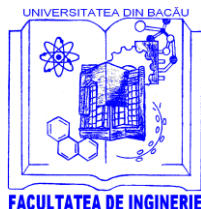
W – written exam

O – oral exam

M – midterm exam

Dean,
Assoc. Prof. Ph.D. Eng.
Mirela PANAINTE-LEHADUȘ

Head of Department,
Lecturer Ph.D. Eng. Econ.
Andrei-Ionuț SIMION



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2023-2024 academic year

CURRICULUM
2nd year of study

No	Subject	Number of ECTS credits	Examination form	Semester
1.	Advanced organic synthesis	6	W	3
2.	Intensive processes in ecological manufacturing	7	W	3
3.	Study of the structure-biological activity relationship	6	W	3
4.	Formulation and quality assurance strategies	5	W	3
5.	Cyber resilience	2	W	3
6.	Applicative research project 2	4	M	3
7.	Research activity and design	10	M	4
8.	Practice for the elaboration of Master's degree	10	P/F	4
9.	Master's degree completion	10	M	4

W – written exam

P/F – pass/fail

M – midterm exam

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