



UNIVERSITATEA „VASILE ALECSANDRI” DIN
BACĂU

Facultatea de Științe

Str. Calea Mărășești, nr. 157, Bacău, 600115
Tel. ++40-234-542411, tel./ fax ++40-234-571012
www.ub.ro; e-mail: stiinte@ub.ro



Domain: **COMPUTER SCIENCE**

Study programme: **APPLIED INFORMATICS IN SCIENCE AND TECHNOLOGY**

Academic year 2023/2024

STRUCTURE OF THE 1ST YEAR OF STUDY

No.	DISCIPLINE	SEMESTER	NUMBER OF CREDITS	TYPE OF EVALUATION
1	Stochastic Modelling and Applications	1	5	E
2	Geometric Algorithms. 3D Applications	1	6	E
3	.NET Advanced Programming	1	6	E
4	Combinatorial Optimization	1	6	E
5	Academic Ethics and Integrity	1	2	C
6	Software Testing and Analysis/Cloud Computing/Special Web Engineering Topics – optional 1	1	5	C
7	Psychology of adolescents, youth, and adults - elective	1	5	E
8	Neural Networks. Applications	2	6	E
9	Special Topics in Software Engineering	2	6	E
10	Multiplatform Programming	2	6	E
11	Communication Systems and Protocols in Distributed Systems/ Embedded Systems / Intelligent Information Access - Optional 2	2	6	E
12	Project – Educational Applications	2	6	C
13	English/French Language for Computer Science – optional 3	2	3	C
14	Design and Management of Educational Programs - elective	2	5	E
15	Educational Communication/Counseling and Guidance/Educational Research Methodology/Integrated Education – optional 4	2	5	E

E - Exam

C - Colloquium

Dean,

Assoc. Prof. Gloria Cerasela CRIȘAN, PHD

Head of Department,

Assoc. Prof. Marcelina MOCANU, PhD



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No.	DISCIPLINE	SEMESTER	NUMBER OF CREDITS	TYPE OF EVALUATION
1	Artificial Intelligence Applications	3	6	E
2	Cryptography and Information Security	3	5	E
3	Efficiency and Optimization Methods	3	6	E
4	Risk Management in the IT Industry	3	6	E
5	Nuanced Logic Systems /Multiagent Systems/Event-based Systems/Windows Server 2022 - optional 5	3	6	C
6	Immersive Technologies	3	1	C
7	Didactics of the Domain and Development in Specialization Didactics (high-school graduate) - elective	3	5	E
8	Sociology of education/School organization management/Educational policies/Intercultural education - optional 6	3	5	E
9	Specialized Practical Training	4	15	C
10	Elaboration of the master's degree dissertation	4	15	C
11	Teaching Practice (high-school, graduate) - elective	4	5	C

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