

## BACHELOR IN “BUSINESS INFORMATICS”

### STUDY PROGRAMME OBJECTIVES

The Bachelor study program in "Business Informatics" aims to provide the student with extensive knowledge about the various information systems that support the processes of entrepreneurship, business, economy as well as the management of their direction, finding the most efficient methods to use technology in the service of the effectiveness of production and the use of resources, human, financial and infrastructural.

The purpose of the program is to prepare informatics specialists who can implement technological systems in solving economic problems. Specialists in this field select and integrate hardware and software products into the infrastructure of organizations/institutions. They are also able to design, develop and apply financial systems. They install, customize and maintain these applications, providing a secure and effective environment that supports the activity of computer users in the organization.

### LEARNING OUTCOMES

Students upon completion of the study program will be able to:

- Demonstrate expertise in fields of Algorithms, Programming, Computer architecture, Databases, Big Data and Business Intelligence etc.
- Identify and evaluate factors that dictate leadership, administration and development of enterprises in free market economy, seen from the information technology point of view;
- Demonstrate expertise in theoretical aspects, and especially in practical skills applicable in the fields of e-services, computer systems organization, web design, software engineering, etc.
- Identify and evaluate in a critical way specific problems of business informatics, as well as effectively use technology to solve economic problems, planning and administration.
- Apply and use computer analysis for enterprise functioning, reciprocal dependence and influence on political, economic and social factors;
- Interpret the strategic planning of organization development in the long term and short term, by using technological means and software;
- Design and interpret technological policies that encourage economic activity, business expansion and investment in new areas.

### JOB OPPORTUNITIES

1. IT Specialist, Computer Network Designer
2. IT Specialist, Programmer
3. Specialist for business processes
4. IT specialist in the banking sector
5. IT specialist in the insurance sector
6. IT specialist in financial institutions
7. Human resources specialist
8. Marketing specialist in the digital environment
9. Specialists for banking statistics
10. Information technology specialists, etc.

## BACHELOR IN "BUSINESS INFORMATICS" 180 ECTS

No.	Year	Term	Course's Name	ECTS
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### A - GENERAL COURSES/ 15-20%/36 ECTS

1	I	1	Mathematics 1	6
2	I	2	Mathematics 2	6
3	I	2	Introduction to Sociology	6
4	I	1	Academic Writing and Research Methods	8
5	II	1	Theory of Statistics	6
6	II	2	Applied Statistics	4
				36

### B - CORE COURSES 50-55%/94 ECTS

1	I	1	Introduction to economics	6
2	I	1	Principles of accounting	8
3	I	2	Introduction to finance	6
4	I	2	Computer Architecture and Organization	6
5	II	1	Algorithmics and Introduction to Programming	6
6	II	1	Introduction to management	8
7	II	2	Computer Networks	6
8	II	2	Programming 1	6
9	II	2	Operating Systems	6
10	II	1	Theory of Databases	6
11	III	2	Programming 2	6
12	III	1	Principles of Marketing	6
13	III	1	Introduction to Big Data and Business Intelligence	6
14	III	2	Web Development	6
15	III	2	Introduction to Software Engineering	6
				94

### C - INTERDISCIPLINARY/INTEGRATIVE COURSES 12-15%/24 ECTS

1	II	2	Financial accounting	6
2	II	2	Information Systems for Business Management	6
3	III	1	E- Services	6
4	III	2	Principles of Market Research	6
5	III	1	Introduction to Operations Management	6
6	III	1	Mobile Applications Development	6
7	III	2	Introduction to Risk Management	6
8	III	1	Security of Information Systems	6
9	III	2	Honors Course	6
				24

### D - ADDITIONAL COURSES 10-15%/20 ECTS

1	I	1	Basics of informatics	4
2	I	2	English	5
3	II	1	Projects Design and Management	6
4	III	2	Internship and Career Development	5
				20

### E - FINAL OBLIGATIONS/3-5% /7 ECTS

1	III	2	Diploma thesis/Final Comprehensive Exam	7
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