

MASTER OF SCIENCE IN “BUSINESS INFORMATICS”

STUDY PROGRAMME OBJECTIVES

The Master of Science study program “Business Informatics” aims to equip the student with:

- Preparation of specialists with in-depth knowledge at the level of expertise in the field of IT in general and more specified directions.
- Training of specialist with highly specialized knowledge at an advanced contemporary level on IT project management issues.
- Enabling students with knowledge in the IT field combined with economic ones to provide a theoretical and practical professional preparation to create and develop effective IT systems that perform financial operations.
- Motivate specialized problem-solving skills needed for research and/or innovation, to develop new knowledge and procedures and to integrate knowledge from different fields.
- To enable students as qualified IT specialists to adapt financial software packages and to maintain them including Information Security and IT Systems

LEARNING OUTCOMES

Students upon completion of the Study Programme will be able to:

- Demonstrate outstanding knowledge of programming languages.
- To know IT problems in terms of economic sciences such as applied mathematics, statistics, econometrics, micro and macroeconomics, etc. with the aim of planning, organizing, and enabling effective information systems solutions within the organization.
- To be able to deal with operating systems, aiming to solve economic problems with the help of information systems, cooperating with users, managers, analysts and network/database administrators.
- Be able to communicate data and develop research skills in the field of economics and finance.
- Demonstrate outstanding knowledge of computer networks.

JOB OPPORTUNITIES

Employment opportunities after graduation

- Economists, Management and Finance-Accounting profile
- IT personnel, Java Programmer profile
- IT personnel, Database profile
- IT personnel, Network Management profile

MASTER OF SCIENCE: "BUSINESS INFORMATICS" 120 ECTS

No.	Year	Term	Course Name	ECTS
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A - GENERAL COURSES/ 5-10%/12 ECTS

1	I	1-2	Research methods in business	12
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B - CORE COURSES 50-60%/62 ECTS

1	I	1	Design and analysis of databases	8
2	II	1	Strategic management	10
3	I	2	Computer networks management	10
4	I	2	Advanced programming	6
5	II	1	IT risk management	6
6	I	1	Business process management	6
7	II	2	Web development: applications and programming	10
8	I	2	Financial analysis and reporting	6

62

C - INTERDISCIPLINARY/INTEGRATIVE COURSES 12-20%/18 ECTS

(students must select 3 courses, at least 1 from each group, 2 in the first semester and 1 in the second one)

Courses of Information Technology field				
1	II	1	Decision making systems in Excel	6
2	II	1	Artificial intelligence	6
3	II	2	SQL server and reporting platforms	6
4	II	2	Big Data management	6
Courses of Economics field				
1	II	1	Capital markets and financial institutions	6
2	II	1	Digital and social media marketing	6
3	II	1	Strategic management of human resources	6
4	II	2	Financial management	6

D - ADDITIONAL COURSES 10%/12 ECTS

1	I	1-2	Practice / internship	12
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E - FINAL OBLIGATIONS/10-15% 16 ECTS

1	II	1-2	Diploma thesis	16
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Totali 120