



SOFIA UNIVERSITY "ST KLIMENT OHRIDSKI"

FACULTY OF ECONOMICS AND BUSINESS ADMINISTRATION

CURRICULUM

Signed by:.....

Approved by the Academic Council,
Record of Proceedings № 3/29.01.2020

Professional field: 3.7 Administration and Management

Educational and Qualification Degree: Master

Subject Area:

E	B	B	2	5	2	4	2	0	2	0
---	---	---	---	---	---	---	---	---	---	---

Management Information Systems
in English

Form of study: Full-time

Start of study: Winter semester

Length of study: 3 (three)

Professional Qualification:

Master - Management Information Systems

Qualification characteristics

Subject Area: Business Administration

BA Program/MA Program: Business Administration – Management Information Systems in English

Modern information and communication technologies become the basis around which prosperous new businesses are built. Internet and business applications enable traditional businesses to maintain their competitive advantage. Effective operations of business entities are already unthinkable without the use of information and communication technologies.

1. Educational objectives

The three-semester Master's Degree Program in Management Information Systems aims at preparation of specialists who will be able to manage the application of modern information, communication and management technologies in business. It aims to train highly qualified specialists who will master the modern methods and tools to manage the implementation, operation and maintenance of management information systems in organizations. Upon completion of the program, the student must be familiar with and possess the skills to perform a variety of functions related to the use of management information systems in companies from different sectors of the economy, including holding managerial positions and/or starting and developing their own businesses.

The program is aimed at practitioners with a background in economics and business administration (business management, marketing, economics, finance, and other related), whose career plans include positions at managerial levels that use management information systems, as well as entrepreneurs with economics background who have realized the need for serious theoretical preparation and the need for continuous self-improvement and continued learning.

The program is offered in English to enable both the increasing number of foreigners working in Bulgaria to upgrade their qualifications, to attract well-prepared bachelors from abroad to study at Sofia University, as well as to Bulgarians who work and will develop professionally in an English-speaking environment in Bulgaria. The program offers a multicultural environment for learning and developing leadership skills.

2. Description

The Master's Degree Program in Management Information Systems is designed for applicants with a basic economic/management education who have completed a 4-year training course and have covered 240 credits (Bachelor's degree). For admission to the program, applicants are interviewed. Applicants who hold a bachelor's degree from a non-Bulgarian university first legalize their diplomas under the Higher Education Act in Bulgaria. The procedure is lengthy, and it is recommended that applicants start the legalization procedure at least 4 months before the deadline to apply for the master's program. In order to be eligible to apply for the MSc, applicants must have an average grade of undergraduate study of at least 4.00 and have at least 6 months experience as an employee at a company (including internships) or as an entrepreneur. In the case of vacancies, individuals with no practical experience but with an average grade of undergraduate study of more than 5.00 may be admitted to the program exceptionally.

The duration of study is 3 semesters (minimum 90 credits). Compulsory courses are 6 (30 credits in total). Elective courses are offered, from which the student must choose 6 (30 credits in total) depending on their career goals and the need to acquire new knowledge and skills. There are also 3 facultative courses whose credits are not considered in the completion of the curriculum.

- In the first semester students have 4 compulsory courses and 2 electives.
- In the second semester students have 2 compulsory courses and 4 electives.
- In the third semester, students have internships and State exam/Master thesis preparation.

The compulsory and elective courses include company visits and guest lectures and seminars led by professionals with extensive experience in management information systems, entrepreneurship and management at different levels in different economic sectors.

3. Professional qualifications

The program provides an opportunity to achieve synergies between knowledge and skills in business, management, the information and communication technologies used in management information systems. Completing the program, the student is expected to:

□ KNOW

- The key technology trends and the transformative power of new ICTs.
- The essential management information systems (ERP, CRM, SCM, BI).
- The legal aspects of information technology.
- Methods to formulate and implement strategies related to Management Information Systems.
- Methods and approaches to change organizations implementing Management Information Systems.

□ BE ABLE TO

- Apply what is learned as theoretical knowledge and shared practical experience to solve practical problems.
- Analyze, design, implement and maintain Management Information Systems.
- Manage the development and use of information technology and systems for solving business problems in large medium and small enterprises.
- Model business processes in the organization and optimize them.
- Formulate goals and strategies, develop plans for the implementation of the Management Information Systems.
- Manage projects related to the implementation of the Management Information Systems.
- Manage organizational changes resulted from the implementation of the Management Information Systems.
- Use a variety of sources of data and information and work with them independently.

□ TO BE

- Creative and visionary.
- Open to the novelties and keen to change the world.
- Pursuing self-development and lifelong learning.
- A person who develops their strategic business acumen and understands the role of ICT in successful business development.

4. Professional realization

The Master's Degree Program in Management Information Systems enables profiling and specialization of trainees, for upgrading the knowledge and skills necessary to meet the requirements of a certain position or group of positions, for the fulfillment of specific work positions and entrepreneurial functions. The program allows students to be prepared to work in the economic field, as well as, if they wish, to work in the non-profit sector.

Graduates of Management Information Systems can be employed in business organizations such as analysts, designers, experts, consultants, ICT managers and others. They will be able to start or improve their own business. Graduates of the master's program will have in-depth analytical knowledge and skills and will be able to take positions that require informed decisions in the field of management information systems. They can continue their studies and research in doctoral programmes; become professors at different levels of the higher education system; work in research and development units.

EBB	2	5	2	4
-----	---	---	---	---

код на спец.

**Subject Area: Business Administration
Master's of Management Information Systems in English**

Academic year beginning from 2020/2021

1	Course code	Course Title	Type - C, E, O	Term	ECTS credits	Number of classes - total				Number of classes per week	Type of Grading* - e, ca, m, a
						Total	Lectures	Seminars	Practical classes / practice		
1	2	3	4	5	6	7	8	9	10	11	12

Compulsory courses

1	R	2	6	1	Business Information Systems Foundation	C	1	5	150 (45/105)	45	0		3+0	M
2	R	2	6	2	Business Process Modeling and Reengineering	C	1	5	150 (45/105)	45	0		3+0	M
3	R	2	6	3	Electronic payments	C	1	5	150 (45/105)	45	0		3+0	M
4	R	2	6	4	Legal Aspects of Information Technologies	C	1	5	150 (45/105)	45	0		3+0	E
5	R	2	0	6	Organization change and development	C	2	5	150 (60/90)	30	30		2+2	E
6	R	2	6	5	Project management (PM)	C	2	5	150 (45/105)	45	0		3+0	M

Elective courses - students should elect 2 courses during first semester and 4 courses during second semester.

1	E	5	0	6	Business Intelligence	E	1	5	150 (60/90)	30	30		2+2	E
2	E	5	6	1	Enterprise Resource Planning (ERP)	E	1	5	150 (60/90)	30	30		2+2	M

3	E	5	6	2	Web Technologies and Architectures	E	1	5	150 (60/90)	30	30		2+2	M
4	E	5	6	3	Data Base Management Foundation	E	1	5	150 (60/90)	30	30		2+2	E
5	E	2	2	8	Strategic Management	E	1	5	150 (60/90)	30	30		2+2	M
6	E	2	2	9	Entrepreneurship	E	1	5	150 (45/105)	30	15		2+1	M
7	E	5	6	4	Supply Chain Management (SCM)	E	2	5	150 (60/90)	30	30		2+2	M
8	E	5	6	5	Customer Relationship Management (CRM)	E	2	5	150 (45/105)	45	0		3+0	M
9	E	5	6	6	SDLC Management	E	2	5	150 (60/90)	30	30		2+2	M
10	E	5	6	7	Information and Communication Security	E	2	5	150 (45/105)	45	0		3+0	E
11	E	2	2	8	Innovation management in the organization	E	2	5	150 (60/90)	30	30		2+2	M
12	E	5	6	8	Analysis and management of customer requirements	E	2	5	150 (45/105)	45	0		3+0	E

Facultative courses - credits are not taken into account in the completion of the curriculum.

1	F	2	3	2	Agile management	F	3	3	90 (45/45)	30	15		2+1	E
---	---	---	---	---	------------------	---	---	---	------------	----	----	--	-----	---

2	F	5	2	1	Foundation of Management of Intellectual Products	F	2	4	120 (45/75)	30	15		2+1	E
3	F	2	0	9	Internacionalization of Small and Medium Enterprises	F	3	4	120 (45/75)	30	15		2+1	E

Study Internships

	code				Internship	Type - C, E, O	Semester	ECTS - credits	Weeks	Number classes	Type of courses
1	P	0	0	1	Internship	P	3	15		450	CA

Students should prepare course projects on: Business Information Systems Foundation, Business Process Modeling and Reengineering, Project management (PM), Electronic payments, Enterprise Resource Planning (ERP), Web Technologies and Architectures, Strategic Management, Entrepreneurship, Supply Chain Management (SCM), Customer Relationship Management (CRM), SDLC Management and Innovation management in the organization.
***Students are allowed to elect courses only listed in the curriculum.**

Graduation

Form of degree completion	ECTS credits	First state exam/thesis defence session	Second state exam/thesis defence session
Master's thesis defence or State exam	15	February	November

DEAN:.....

/Assoc. Prof. Atanas Georgiev PhD/

