



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	5	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: 4 (four)

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 four-semester Master's Degree Program in Management Information Systems with training in English 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:

- Professionals in the field of technical sciences (computer science and information and communication technologies, mathematics, physics, etc.) who have completed 4 years of training and have covered 240 credits, whose career plans include management positions related to the use of management information systems, as well as entrepreneurs and business executives (managers) who have realized the need for serious theoretical preparation and the need for continuous self-improvement and lifelong learning.
- Professional Bachelors (with 3 years of study and 180 credits) in Computer Science and Information and Communication Technology, Economics, Management, Social and other sciences who wish to continue their education with a master's degree and plan to pursue a degree in Management Information Systems. According to the Bulgarian legislation, in order to obtain a master's degree, 3-year bachelor's students must obtain 120 credits within two years.
- Employees with a university degree and a minimum of 2 years of experience in business administration or in information and communication technologies who wish to prepare for managerial or consultancy positions or to start their own business in the field of management information systems.

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

In the 4 semesters Master's Degree Program in Management Information Systems for applicants without basic economic/management education students will gain basic knowledge of economics and business administration within the compulsory courses. For admission to the program, applicants are interviewed. Applicants with a bachelor's degree from a non-Bulgarian university first admit their education under the Law on Higher Education in Bulgaria. The procedure is lengthy, and it is recommended that applicants begin it at least 4 months before the desired deadline for applying for the master's program. In order to be eligible to apply for the Master's Degree Program in Management Information Systems, applicants must have an average grade

of undergraduate study of at least 4.00 and have at least 6 months experience as an employee of a company (including internships) or as an entrepreneur. In the case of vacancies, individuals with no practical experience but with a success rate of more than 5.00 may be admitted to the program exceptionally. The duration of the study is 4 semesters (minimum 120 credits). Compulsory courses are 11 (55 credits in total). 12 elective courses are offered, of which the student can choose 7 (minimum 35 credits) depending on his career goals and the needs to acquire new knowledge and skills. There are also 3 facultative courses whose credits are not taken into account in the completion of the curriculum.

- In the first semester students have 3 compulsory courses and 3 electives.
- In the second semester students have 4 compulsory courses and 2 electives.
- In the third semester students have 4 compulsory courses and 2 electives.
- In the fourth semester, students have internships and state exam or 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 to implement 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 prepare 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	5	5	2	4
-----	---	---	---	---

код на спец.

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

Academic year beginning from 2020/2021

№	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	5	0	2	Microeconomics	C	1	5	150 (45/105)	30	15		2+1	E
2	R	5	0	3	Macroeconomics	C	1	5	150 (45/105)	30	15		2+1	E
3	R	5	0	1	Fundamentals of management	C	1	5	150 (75/75)	45	30		3+2	E
4	R	5	1	1	Accounting	C	2	5	150 (60/90)	30	30		2+2	E
5	R	5	1	0	Finance	C	2	5	150 (45/105)	45	0		3+0	E
6	R	2	0	6	Organization change and development	C	2	5	150 (60/90)	30	30		2+2	E
7	R	2	6	5	Project management (PM)	C	2	5	150 (45/105)	45	0		3+0	M
8	R	2	6	1	Business Information Systems Foundation	C	3	5	150 (45/105)	45	0		3+0	M
9	R	2	6	2	Business Process Modeling and Reengineering	C	3	5	150 (45/105)	45	0		3+0	M
10	R	2	6	3	Electronic payments	C	3	5	150 (45/105)	45	0		3+0	M

11	R	2	6	4	Legal Aspects of Information Technologies	C	3	5	150 (45/105)	45	0		3+0	E
----	---	---	---	---	---	---	---	---	-----------------	----	---	--	-----	---

Elective courses - students should elect 3 courses during first semester and 2 courses during second and third semester.

1	E	5	0	6	Business Intelligence	E	1 or 3	5	150 (60/90)	30	30		2+2	E
2	E	5	6	1	Enterprise Resource Planning (ERP)	E	1 or 3	5	150 (60/90)	30	30		2+2	M
3	E	5	6	2	Web Technologies and Architectures	E	1 or 3	5	150 (60/90)	30	30		2+2	M
4	E	5	6	3	Data Base Management Foundation	E	1 or 3	5	150 (60/90)	30	30		2+2	E
5	E	2	2	8	Strategic Management	E	1 or 3	5	150 (60/90)	30	30		2+2	M
6	E	2	2	9	Entrepreneurship	E	1 or 3	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

No	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	November	February

The curriculum has been approved by the Faculty Council, Record of Proceedings № 12 from 10 December 2019.

DEAN:.....

/Assoc. Prof. Atanas Georgiev PhD/

Sofia University "St. Kliment Ohridski"

Curriculum Reference Statement

Subject Area "Business Administration"/Management Information Systems in English

Form of study: full-time length of study: 4 (four) semesters

Course Load, ECTS -credits and course completion per semester

Type of courses	I			II			III			IV			V			VI			VII			VIII			IX			X			Total		
	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades	Course Load - number of classes	ECTS - credits	number of grades			
Compulsory courses	450	15	3	600	20	4	600	20	4																					1650	55	11	
Minimum elective courses	450	15	3	300	10	2	300	10	2																					1050	35	7	
Internship										450	15	1																		450	15	1	
Master thesis defence										450	15	1																		450	15	1	
Total	900	30	6	900	30	6	900	30	6	900	30	6																	3600	120	20		
Classes	345			310			300																								955		
Degree completion																		ECTS credits	Number of hours for preparation	First state exam/thesis defence session	Second state exam/thesis defence session												
Master's thesis defence or State exam																		15	450	November	February												

Professional Qualification:

Master - Management Information SystemsRecord of Proceedings of the Faculty Council №
12 from 10.12.2019.

DEAN:

/Assoc. Prof. Atanas Georgiev PhD/