



SOFIA UNIVERSITY "ST. KLIMENT OHRIDSKI "

FACULTY OF ECONOMICS

## CURRICULUM

Approved: .....

Approved by the Academic Council with a protocol  
№ ..... / .....

Professional field: 3.7. Administration and Management

Master's Degree

Specialty:

E	F	B	8	2	5	7	2	2
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### **BUSINESS ADMINISTRATION**

Master's Programme:

Management Information Systems in English

**Form of study: REGULAR**

**Duration of training (number of semesters): 4 (four), admission from the winter semester**

Qualification:

Master of Management Information Systems

## Qualification characteristic

### Specialty: Business Management

### Master's Program: Management Information Systems in English

Modern information and communication technologies are becoming the basis around which prosperous new companies are built. Internet and business applications enable companies with a traditional orientation to maintain their leading market positions. The efficient operation of economic operators is no longer conceivable without the use of information and communication technologies.

#### 1. Focus, educational goals

The master's program Management Information Systems in English is aimed at training professionals who can lead the application of modern information, communication, and management technologies in business. Its goal is **to** train highly qualified specialists who know the modern methods and tools for managing the introduction, use and maintenance of management information systems in organizations. Upon completion of the program the student must know and have the skills to perform various functions related to the use of management information systems in companies from different sectors of the economy, including holding management positions and / or starting and developing your own business.

The program is **aimed at** :

- Specialists in technical education (computer science and information and communication technologies, mathematics, physics, etc.), who have completed a 4-year training course and have covered 240 credits, whose career development plans include taking positions at management levels related to the use of management information systems, as well as entrepreneurs and business leaders (managers) who have realized the need for serious theoretical training and the need for continuous self-improvement and continuing learning.
- Graduates with a bachelor's degree in a professional field 3.7. Administration and management with 180 or 210 credits who wish to continue their education to a master's degree and intend to be realized in the field of management information systems. According to Bulgarian law, in order to obtain a master's degree, 3-year bachelors must acquire 120 credits within two years.
- Employees with higher education and at least 2 years of experience in business administration or in information and communication technologies, who wish to prepare for management positions or consulting positions or to start their own business in the field of management information systems.

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

#### 2. Training (knowledge and skills necessary for successful professional activity; general theoretical and special training, etc.)

Within the master's program Management Information Systems in English, with a term of study of 4 semesters, students receive basic knowledge of business management within the mandatory courses. For admission to the program, candidates appear for an oral interview. Applicants with a bachelor's degree from a non-Bulgarian university must first legalize their diplomas under the Bulgarian Higher Education Act. The procedure is long, and it is recommended that applicants start it at least 4 months before the desired deadline for applying to the master's program. To be eligible to apply for a master's degree, applicants must have an average grade point average of at least 4.00 and have at least 6 months of experience as a company employee (including internship) or entrepreneur. If there are vacancies in the program, people without practical experience, but with a success of more than 5.00, can be accepted as an exception.

Admission to the program is only from the winter semester. The duration of the training is 4 semesters (minimum 120 credits). The obligatory disciplines are 11 (55 credits in total). Elective 12 disciplines are offered, of which the student must earn at least 35 credits, choosing a combination that corresponds to the goals of his career development and the need to acquire new knowledge and skills. There are also 3 optional disciplines, whose credits are not considered in the implementation of the curriculum. In the fourth semester students have an internship and develop their master's thesis. There are two sessions for the defense of master's theses - in November and in February.

Compulsory and elective courses include visits to companies and guest lectures and seminars led by specialists with extensive experience in the field of management information technology, entrepreneurship and management at various levels in various economic sectors.

### **3. Professional competencies**

The program provides an opportunity to obtain synergies between knowledge and skills in the field of business and management and information and communication technologies used in management information systems. Upon completion of the program, the student is expected to:

#### **□ TO KNOW**

- To know the key trends in technology and the transformative power of new ICT;
- To know the basic management information systems (ERP, CRM, SCM, BI);
- To know the legal aspects of information technology;
- To know methods for formulating and implementing strategies for the implementation of management information systems (MIS);
- To know methods and approaches for changing organizations in the implementation of MIS;

#### **□ TO BE ABLE TO**

- To apply what has been learned as theoretical knowledge and shared practical experience to solve problems in practice;
- To analyze, design, implement and maintain information management systems;
- To be able to lead the development and use of information technologies and systems for solving business problems in large medium and small companies;
- To be able to model business processes in the organization and optimize them;
- To formulate goals and strategies, to make plans for the implementation of MIS;
- To manage projects related to the implementation of MIS;
- To implement in practice organizational changes resulting from the implementation of MIS;
- To be able to use various sources of information and work with them independently.

#### **□ TO BE**

- Creative and visionary;
- Open to innovations and with an attitude to change the world;
- With a desire for self-development and lifelong learning;
- A person who develops his strategic sense in business and with an understanding of the role of ICT for successful business development.

### **4. Professional development**

The master's program Management Information Systems in English provides an opportunity for profiling and specialization of students, to upgrade the knowledge and skills necessary for the successful implementation of the requirements of a particular position or group of positions, for specific job and entrepreneurial functions. The program gives students the opportunity to prepare, not only for work in the business field, but also if they wish – and for work in the non-business field.

Graduates of the Master's program Management Information Systems in English can be implemented 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 making informed decisions in the field of management information systems. They can continue their studies and research work in doctoral studies; to be teachers in the various levels of the higher education system; to work in research and development units.

EFB	8	2	5	7
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major code

### Major Business Administration

Master's degree program Management Information Systems in English 4 semesters - enrolment from winter semester

academic year beginning from 2022/2023

№	course code	Course Title	Type - R, E, O	Term	ECTS credits	Number of Classes - total				Weekly load	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	8	0	9	Microeconomics	R	1	4	120 (45/75)	30	15		2+1	M
2	R	8	0	6	Macroeconomics	R	1	4	120 (45/75)	30	15		2+1	E
3	R	8	1	3	Management Foundation	R	1	8	240 (75/165)	45	30		3+2	M
4	R	8	2	0	Accounting	R	2	5	150 (60/90)	30	30		2+2	E
5	R	8	2	8	Finance	R	2	3	90 (45/45)	45	0		3+0	E
6	R	8	1	1	Organization change and development	R	2	6	180 (60/120)	30	30		2+2	M
7	R	8	2	5	Project management (PM)	R	2	5	150 (45/105)	45	0		3+0	M
8	R	8	0	3	Business Information Systems Foundation	R	3	5	150 (45/105)	45	0		3+0	M
9	R	8	1	0	Business Process Modeling and Reengineering	R	3	5	150 (45/105)	45	0		3+0	M
10	R	8	0	4	Electronic payments	R	3	5	150 (45/105)	45	0		3+0	M

\*форма на оценяване: и-изпит, то-текуща оценка, ки-комбинирано изпитване, прод.- продължава в сл. семестър

11	R	8	1	5	Legal Aspects of Information Technologies	R	3	5	150 (45/105)	45	0		3+0	E
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#### Elective courses

**A minimum of 35 ECTS credits for the entire period of study**

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

**Facultative courses - ECTS are not count toward the fulfilment of curriculum**

\*форма на оценяване: и-изпит, то-текуща оценка, ки-комбинирано изпитване, прод.- продължава в сл. семестър

1	E	8	5	7	Agile management	F	1	3	90 (45/45)	30	15		2+1	E
2	E	8	5	6	Foundation of Management of Intellectual Products	F	2	4	120 (45/75)	30	15		2+1	E
3	E	8	5	9	Internacionalization of Small and Medium Enterprises	F	3	4	120 (45/75)	30	15		2+1	E

#### Internship and projects

№	код				Internships/projects	R	1	4	Weeks	Number of hours	Type of Grading* - e, ca, m, a
1	P	8	0	1	Internship	R	3	15		450	CA

Students develop projects in the following subjects: Microeconomics, Management Foundation, Organization change and development, Business Information Systems Foundation, Business Process Modeling and Reengineering, Project management (PM) и Electronic payments. Students develop projects in the following elective courses: 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.

#### Graduation

Mode of graduation	ECTS credits	First exam session	Second exam session
Master Degree Thesis	15	November	February

The curriculum was adopted at a Faculty council meeting with protocol №11/07.06.2022.

**DEAN**

/Assoc. Prof. Atanas Georgiev, PhD/

\*форма на оценяване: и-изпит, то-текуща оценка, ки-комбинирано изпитване, прод.- продължава в сл. семестър

Sofia University "St. Kliment Ohridski"

**Curriculum Reference Statement**

Major: Business Administration, Master's degree program: Management Information Systems in English

Mode of study: full time; Length of study: 4 semesters - enrolment from winter semester, ECTS: 120

Load, ECTS credits and grades by semester																																	
Type of activity	I семестър			II семестър			III семестър			IV семестър			V семест			VI семестър			VII семестър			VIII семестър			IX семестър			X семестър			Total		
	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades	Load (h.)	ECTS credits	number of grades			
Compulsory courses	480	16	3	570	19	4	600	20	4																				1650	55	11		
Min. elective courses	420	14	3	330	11	2	300	10	2																				1050	35	7		
Study practice										450	15	1																	450	15	1		
Master's Thesis defence										450	15	1																	450	15	1		
Total	900	30	6	900	30	6	900	30	6	900	30	2																	3600	120	20		
of which auditorium	345			315			270																						930				

Mode of graduation	ECTS credits	Number of hours for preparati	First exam session	Second exam session
Master Degree Thesis	15	450	November	February

Professional qualification acquired:  
MASTER OF MANAGEMENT INFORMATION SYSTEMS

DEAN

/Assoc. Prof. Atanas Georgiev, PhD/

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council meeting with protocol №  
11/07.06.2022.