



SOFIA UNIVERSITY "ST KLIMENT OHRIDSKI"

FACULTY OF ECONOMICS AND BUSINESS ADMINISTRATION

## CURRICULUM

Approved: .....



Approved by the Academic Council with protocol

№

3 / 29.01.2020 Foj.

Professional area: 3.7. Administration and Management

Master's Degree Program

Major:

E B B 2 5 2 4 2 0

Business Administration

Master's Degree Program:

Management Information Systems  
in English

Form of education: Full-time

Start of study: Winter semester

Duration (semesters): 3 (three)

Professional qualification:

Master - Management Information Systems

### **Qualification characteristic**

#### **Major: Business Administration Master's Degree Program in Management Information Systems**

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. Orientation, educational goals**

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. Training (knowledge and skills required for successful professional activities; general theoretical and specialized training, etc.)**

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 Competences

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

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and research in doctoral programmes; become professors at different levels of the higher education system; work in research and development units.

В	2	5	2	4
код на спец.				

**Специалност Стопанско управление**  
**Магистърска програма "Управленски информационни системи" с обучениена английски език, 3**  
**семестъра/Management Information Systems in English**

от учебната 2020/2021 година/starts in 2020/2021 academic year

№	код на дисциплината	Наименование на учебната дисциплина	Вид – з, и, ф	семестър	ECTS кредити	Часове - общ брой				Седмична заетост	Форма на оценяване* - и, то, ки, прод
						Всичко	Лекции	Семинарни занятия	практически упр. / хоспетране		
1	2	3	4	5	6	7	8	9	10	11	12
<b>Задължителни дисциплини/Compulsory courses</b>											
1	R 2 6 1	Въведение в информационни системи за управление на бизнеса/Business Information Systems Foundation	З/С	1	5	150 (45/105)	45	0		3+0	КИ/СЕВ
2	R 2 6 2	Моделиране и реинженеринг на бизнес процеси/Business Process Modeling and Reengineering	З/С	1	5	150 (45/105)	45	0		3+0	КИ/СЕВ
3	R 2 6 3	Електронни разплащания/Electronic payments	З/С	1	5	150 (45/105)	45	0		3+0	КИ/СЕВ
4	R 2 6 4	Правни аспекти на информационните технологии/Legal Aspects of Information Technologies	З/С	1	5	150 (45/105)	45	0		3+0	И/Е
5	R 2 0 6	Организационна промяна и развитие/Organization change and development	З/С	2	5	150 (60/90)	30	30		2+2	И/Е

*По решение на ФС съотношението аудиторна:извънаудиторна заетост на студентите е 2:3*

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

6	R	2	6	5	Управление на проекти/Project management (PM)	3/C	2	5	150 (45/105)	45	0		3+0	КИ/СЕV
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През първи семестър студентите имат 2 избираеми дисциплини, а през втори семестър - 4 избираеми дисциплини.

През трети семестър студентите имат стаж и разработка на магистърска теза.

**Избираеми дисциплини/Elective courses**

1	E	5	0	6	Бизнес разузнаване/Business Intelligence	I/E	1	5	150 (60/90)	30	30		2+2	I/E
2	E	5	6	1	Управление на фирмените ресурси /Enterprise Resource Planning (ERP)	I/E	1	5	150 (60/90)	30	30		2+2	КИ/СЕV
3	E	5	6	2	Уеб технологии и архитектури/Web Technologies and Architectures	I/E	1	5	150 (60/90)	30	30		2+2	КИ/СЕV
4	E	5	6	3	Въведение в системите за управление на бази от данни/Data Base Management Foundation	I/E	1	5	150 (60/90)	30	30		2+2	I/E
5	E	2	2	8	Стратегическо управление/Strategic Management	I/E	1	5	150 (60/90)	30	30		2+2	КИ/СЕV
6	E	2	2	9	Предприемачество/Entrepreneurship	I/E	1	5	150 (45/105)	30	15		2+1	КИ/СЕV
7	E	5	6	4	Управление на веригите за доставки/Supply Chain Management (SCM)	I/E	2	5	150 (60/90)	30	30		2+2	КИ/СЕV
8	E	5	6	5	Управление на взаимоотношенията с клиенти/Customer Relationship Management (CRM)	I/E	2	5	150 (45/105)	45	0		3+0	КИ/СЕV

*По решение на ФС съотношението аудиторна:вънзаудиторна заетост на студентите е 2:3*

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

9	E	5	6	6	Управление на разработката на софтуер/SDLC Management	И/Е	2	5	150 (60/90)	30	30		2+2	КИ/СЕV
10	E	5	6	7	Информационна и комуникационна сигурност/Information and Communication Security	И/Е	2	5	150 (45/105)	45	0		3+0	И/Е
11	E	2	2	8	Управление на иновациите в организацията/Innovation management in the organization	И/Е	2	5	150 (60/90)	30	30		2+2	КИ/СЕV
12	E	5	6	8	Анализ и управление на изискванията на клиентите/Analysis and management of customer requirements	И/Е	2	5	150 (45/105)	45	0		3+0	И/Е

Факултативни дисциплини/Facultative courses - кредитите НЕ се включват в изпълнението на учебния план.

1	F	2	3	2	Гъвкави методи за управление/Agile management	Ф/Ф	3	3	90 (45/45)	30	15		2+1	И/Е
2	F	5	2	1	Въведение в управлението на интелектуалните продукти/Foundation of Management of Intellectual Products	Ф/Ф	2	4	120 (45/75)	30	15		2+1	И/Е
3	F	2	0	9	Интернационализация на малките и средни предприятия/Internacionalization of Small and Medium Enterprises	Ф/Ф	3	4	120 (45/75)	30	15		2+1	И/Е

Учебни практики и курсови работи/Internship and projects

По решение на ФС съотношението аудиторна:извънаудиторна заетост на студентите е 2:3

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

№	код				Наименование на практиката	Вид - З, И, Ф	Семестър	ECTS - кредити	Седмици	Часове	Форма на контрол - и, то, ки
22	P	0	0	1	Стаж/Internship	З/Р	3	15		450	ТО/СЕ
<p>*Студентите в групи по трима души задължително разработват проект по: Въведение в информационни системи за управление на бизнеса/Business Information Systems Foundation, Моделиране и реинженеринг на бизнес процеси/Business Process Modeling and Reengineering, Управление на проекти/Project management (PM) и Електронни разплащания/Electronic payments. Студентите разработват курсови проекти по следните избираеми дисциплини: Управление на фирмените ресурси/Enterprise Resource Planning (ERP), Уеб технологии и архитектури/Web Technologies and Architectures, Стратегическо управление/Strategic Management, Предприемачество/Entrepreneurship, Управление на веригите за доставки/Supply Chain Management (SCM), Управление на взаимоотношенията с клиенти/Customer Relationship Management (CRM), Управление на разработката на софтуер/SDLC Management и Управление на иновациите в организацията/Innovation management in the organization.</p> <p><b>*Студентите могат да избират само дисциплини от посочените в учебния план.</b></p>											

#### Дипломиране/Graduation

Начин на дипломиране	ECTS - кредити	Първа държавна сесия	Втора държавна сесия
Държавен изпит по специалността или защита на магистърска теза State exam or Master Degree Thesis	15	февруари/ February	ноември/ November

Учебният план е приет на заседание на Факултетния съвет с протокол №12/10.12.2019 г.

ДЕКАН:  
/доц. д-р Атанас Георгиев/



Софийски университет "Св. Климент Охридски"

**Справка - извлечение от учебен план**

Специалност Стопанско управление, магистърска програма "Управленски информационни системи" с обучение на английски език/Management Information Systems in English

форма на обучение - редовно, срок на обучение - 3 семестъра

**Натовареност, ECTS-кредити и оценки по семестри**

Вид заетост	I			II			III			IV			V			VI			VII			VIII			IX			Общо		
	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки	натовареност (ч.)	ECTS - кредити	бр. оценки			
Задължителни дисциплини	600	20	4	300	10	2																						900	30	6
Мин. избираеми дисциплини	300	10	2	600	20	4																						900	30	6
Учебна практика (стаж)							450	15	1																			450	15	1
Защита на дипломна работа							450	15	1																			450	15	1
Общо:	900	30	6	900	30	6	900	30	2																			2700	90	14
от които аудиторна	300			300																								600		

Начин на дипломиране	ECTS - кредити	брой часове за подготовка	Първа държавна сесия	Втора държавна сесия
Защита на дипломна работа или държавен изпит по специалността	15	450	февруари	ноември

**Придобита професионална квалификация:  
МАГИСТЪР ПО УПРАВЛЕНСКИ ИНФОРМАЦИОННИ СИСТЕМИ**

Учебният план е приет на заседание на Факултетния съвет с протокол №12/10.12.2019 г.

Декан:



доц. д-р. Атанас Георгиев