



SOFIA UNIVERSITY "ST KLIMENT OHRIDSKI"

FACULTY OF ECONOMICS AND BUSINESS ADMINISTRATION

CURRICULUM



Approved:

Approved by the Academic Council with protocol

№ 3 / 29.01.2020 g.

Professional area: 3.7. Administration and Management

Master's Degree Program

Major:

E B B 5 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): 4 (four)

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

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 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 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.

В	5	5	2	4
код на спец.				

Специалност Стопанско управление
Магистърска програма "Управленски информационни системи" с обучение на английски език, 4
семестър/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. / хоспелтиране		
1	2	3	4	5	6	7	8	9	10	11	12
Задължителни дисциплини/Compulsory courses											
1	R 5 0 2	Микроикономика/Microeconomics	З/С	1	5	150 (45/105)	30	15		2+1	И/Е
2	R 5 0 3	Макроикономика/Macroeconomics	З/С	1	5	150 (45/105)	30	15		2+1	И/Е
3	R 5 0 1	Основи на управлението/Management Foundation	З/С	1	5	150 (75/75)	45	30		3+2	И/Е
4	R 5 1 1	Счетоводство/Accounting	З/С	2	5	150 (60/90)	30	30		2+2	И/Е
5	R 5 1 0	Финанси/Finance	З/С	2	5	150 (45/105)	45	0		3+0	И/Е
6	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
7	R 2 6 5	Управление на проекти/Project management (PM)	З/С	2	5	150 (45/105)	45	0		3+0	КИ/СЕВ
8	R 2 6 1	Въведение в информационни системи за управление на бизнеса/Business Information Systems Foundation	З/С	3	5	150 (45/105)	45	0		3+0	КИ/СЕВ
9	R 2 6 2	Моделиране и реинженеринг на бизнес процеси/Business Process Modeling and Reengineering	З/С	3	5	150 (45/105)	45	0		3+0	КИ/СЕВ
10	R 2 6 3	Електронни разплащания/Electronic payments	З/С	3	5	150 (45/105)	45	0		3+0	КИ/СЕВ

*По решение на УС 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

11	R	2	6	4	Правни аспекти на информационните технологии/Legal Aspects of Information Technologies	З/С	3	5	150 (45/105)	45	0		3+0	И/Е
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През първи семестър студентите имат 3 избираеми дисциплини, а през втори и трети семестър - по 2 избираеми дисциплини.

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

Избираеми дисциплини/Elective courses

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

По решение на ДС 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

11	E	2	2	8	Управление на иновациите в организацията/Innovation management in the organization	I/E	2	5	150 (60/90)	30	30		2+2	KI/CEV
12	E	5	6	8	Анализ и управление на изискванията на клиентите/Analysis and management of customer requirements	I/E	2	5	150 (45/105)	45	0		3+0	I/E

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	I/E
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	I/E
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	I/E

Учебни практики и курсови работи/Internship and projects

№	код				Наименование на практиката	Вид и ср.	Семестър	ECTS - кредити	Седмици	Часове	Форма на контрол* и, то, ки
27	P	0	0	1	Стаж/Internship	З/Р	4	15		450	ТО/СЕ

* 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.
*Студентите могат да избират само дисциплини от посочените в учебния план.

Дипломиране/Graduation


Начин на дипломиране	ECTS - кредит и	Първа държавна сесия	Втора държавна сесия
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По решение на УС съответното аудиторско извънаудиторно застъпване на студентите е 2:3

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

Държавен изпит по специалността или защита на магистърска теза State exam or Master Degree Thesis	15	февруари/ February	ноември/ November
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Учебният план е приет на заседание на Факултетния съвет с протокол №12/10.12.2019 г.

ДЕКАН: 
/доц. д-р. Атанас Георгиев/



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

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

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 - 4 семестъра


Натовареност, ECTS-кредити и оценки по семестри

Вид заетост	I семестър			II семестър			III семестър			IV семестър			V семестър			VI семестър			VII семестър			VIII семестър			IX семестър			X семестър			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	натовареност (ч.)	ECTS - кредити	бр. оценки			
Задължителни дисциплини	450	15	3	600	20	4	600	20	4																					1650	55	11	
Мин. избираеми дисциплини	450	15	3	300	10	2	300	10	2																					1050	35	7	
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	6	900	30	2																	3600	120	20		
аудиторна:	345			310			300																						955				

Начин на дипломиране	ECTS - кредити	брой часове за подготвяне	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/