

☑ Master Degree Program: Electronic Business

Length of Study: 3 Semesters

Form of Study: Full-time

Minimum ECTS credits: 90

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In the information society, information and communication technologies become the core around which the prosperous companies build their businesses. Internet applications and business applications are tools for brick and mortar companies to preserve and to develop further their leadership market positions in Internet dominated environment.

The e-Business Master Degree Program is focused on production of skilled and highly educated professionals who are able to implement state of the art information, communication and management technologies in enterprises, small, and medium companies.

The teaching is focused on students and their specific needs. Students are active participants in the learning process. They have the opportunity to choose courses that match and fit their career plans. Courses are organized into 4 mandatory foundation disciplines and more than 20 elective ones.

Students with different backgrounds will be able to acquire the knowledge to become effective leaders and managers in companies operating in digital markets. It is expected students to prepare and deliver presentations and course works at a regular base. Teamwork is appreciated.

In the first semester students go through 4 mandatory courses and 2 elective ones.

In the second semester, every student has to enroll for 6 elective courses.

In the third semester, students that have not experience in ICT companies or ICT departments are encouraged to participate in internship in ICT companies or ICT departments. Students with ICT background are encouraged to participate in internship in business departments. Students could substitute internships taking 3 elective courses in the 3rd semester. It is possible to do internship and to take elective courses.

During the 3rd semester students have to prepare their Master's theses. The presentation and the evaluation of the Master's thesis takes place within 4 weeks after the end of the 3rd semester. Each semester is 15 weeks long.

e-Business Master Degree program provides students with the opportunity to develop a synergy within business as usual, management and information and communication technologies. Students will be able to enrich to their skills with new ones in the areas of choice:

- Business Applications
- Entrepreneurship and Management
- Selected Computing Topics
- Business Mathematics

As a result, they will become well-rounded professionals capable to solve e-business related problems, to propose innovative and effective solutions, and to participate actively in the digital transformation of their companies and the society.

e-Business Master Degree graduates could become successful consultants, managers, analysts, system

architects, project managers, etc. They will be able to start or to develop further their own ICT business. They will have profound analytical skills, specific knowledge, and be capable to make rational decisions in the area of information and communication technologies and electronic business.

Candidates must have at least Bachelor Degree or equivalent in Informatics, Computer Science, Software Engineering, Electrical Engineering, Mathematics, Economics, Business Administration, Management or similar from an accredited university. The average grade from studies must be at least good 4 (in a 6 grades system from 2-fail to 6-excellent). Candidates are expected to have at least 2 years working experience in ICT company (ICT department) or in business administration.

Enrolment for the program is possible in winter and in summer semester.

CURRICULUM

First semester

e-Business Foundation
Business Processes Modelling and Reengineering
Project Management
Electronic Payments

Elective courses

Business Mathematics 1 (Linear Algebra)
Networks and Communications
Database and Data Warehouse Foundation
Organizational Behavior and Development
Entrepreneurship

Second semester - Elective courses

Business Mathematics 2 (Statistics)
Customer Relationship Management (CRM)
Enterprise Resources Planning (ERP including MRP)
Supply Chain Management (SCM)
Business Intelligence (BI)
ICT Security
SDLC Management
Web Technologies and Architectures

Third semester

Internship
Master Thesis
Elective courses
Business Mathematics 3 (Graphs & Algorithms)
ICT Company Management
Sales and Marketing at an ICT company
Financial Management of at an ICT company
m-Business/u-Business

For more information visit:

<http://computing.fmi.uni-sofia.bg/MasterPrograms/MasterPrograms>