



BUSINESS INFORMATICS

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| Programme type | Master's Studies (University) |
| Field of study | Information Systems |
| Study area | Information Sciences |
| Degree | Master in Information Sciences |
| Duration | 2 years (4 semesters) |
| Workload | 120 ECTS |
| Language of instruction | English |
| Location | Kaunas, Lithuania |
| Starting date | 1 st of September |
| Tuition fee EU students | 3236* EUR/per year (<i>*to be confirmed</i>) |
| Tuition fee Non-EU students | 3600 EUR/ per year |

PROGRAMME DESCRIPTION

- *The objective*

The goal of this programme is to educate specialists with professional skills in Informatics/IT, Economics, Management and Financial Systems. The programme includes studies in the development of business models and design and implementation of contemporary business information systems. It also deals with the research and development of the current IT models (computational intelligence) and systems. In addition to acquisition of special knowledge, the students will improve their capacity for analytical thinking, ability to co-operate and communicate, to be creative and critical.

- *Career opportunities*

Graduates of the programme may work in business and (or) e-business IT companies, banks, investment firms, stock exchange, finance management departments of companies. Graduates may work as managers of programmer groups, software engineers, business and IT system analysts, IT project managers, IT, computer network and system administrators.

- *Access to further studies*

A completed Master's programme opens up wide opportunities to continue research in the PhD level study programmes.

KEY LEARNING OUTCOMES

Graduates of Business Informatics are able to: analyse on the professional level the flows of information in enterprises; detect the information channels that are crucial to business processes; determine the directions of the development of information systems and the required IT instruments; create the models for the enterprises' activities and typical business processes and employ these models in decision support systems; to design, implement, maintain and evaluate the information systems suitable to traditional enterprises, services and business companies.

COURSE INFORMATION

The programme has the following structure:

| Course Type | 1st Semester | 2nd Semester | 3rd Semester | 4th Semester |
|---------------------------|---|--|---|--|
| Compulsory Courses | Dynamic Object Models (DHTML) on Internet (5 ECTS) | CASE Tools and IS Reengineering (10 ECTS) | Financial Technologies (10 ECTS) | Statistical Analysis of Business Environment (5 ECTS) |
| | Innovation Management and ICT Development (10 ECTS) | Multimedia Technologies (5 ECTS) | Groupware Information Technologies and Infrastructures (5 ECTS) | Master Final Thesis (Study Field: Information Systems) (25 ECTS) |
| | Neural Networks and Neurocomputing (5 ECTS) | Data Modeling and Retrieval Methods (5 ECTS) | Scientific Research Work II/II p. (5 ECTS) | |
| | Enterprise Information Architecture (5 ECTS) | IS Project Management (5 ECTS) | Knowledge Based Systems Engineering (5 ECTS) | |
| | | Scientific Research Work I/II p. (5 ECTS) | Knowledge Bases and Expert Systems (5 ECTS) | |
| Elective Courses | Intellectual Systems in Financial Markets (5 ECTS) | | | |
| | IS of Management Accounting (5 ECTS) | | | |

GRADUATION REQUIREMENTS

Positive assessment of the Master's Thesis during public defence.

ADMISSION REQUIREMENTS AND SELECTION CRITERIA

- Bachelor's degree or its equivalent in Economics, Informatics or Mathematics;
- English language proficiency — the level not lower than B2 (following the Common Framework of Reference for Language approved by the Council of Europe).

EXAMINATION AND ASSESSMENT REGULATIONS

The main form of assessment is an examination. Every course unit is concluded with either a written or written-oral examination or pass/fail assessment. Student's knowledge and general performance during the examination are assessed by using the grading scale from 1 (very poor) to 10 (excellent).

Academic contact

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