

Master of Science in Business Informatics

AIMS

Providing students with an interdisciplinary expertise in informatics and business to meet the growing demand for professionals who understand the needs of organization's activities in order to exploit new opportunities offered by Business Intelligence applications to support decision making.

It is well known that information overload is a huge challenge for businesses, but it is also an enormous opportunity in making smarter decisions based mainly on data and analysis to achieve productivity.

This vision is supported by close connections with specific research topics carried out by the Departments of Computer Science, and Economics and Management.

COURSE DESCRIPTION AND CAREER PROSPECT

This MSc is offered by the Department of Computer Science, in cooperation with the Department of Economics and Management of the University of Pisa, to prepare professionals with an interdisciplinary skill both in informatics and in business, in order to satisfy the increasing demand by companies which aim to compete using analytics methods. The Programme is focused on Business Intelligence applications to support decision-making. This vision is supported by close connections with the research topics carried out by researchers of both departments in areas such as: data warehouse, data mining, marketing, business information systems.

COURSE CONTACTS

Director of the Programme

Prof. Antonio Albano

Email: albano@di.unipi.it

Contact for information: businessinformatics@di.unipi.it

WEB SITE: <http://compass2.di.unipi.it/didattica/wea18/>

ENTRY REQUIREMENTS

Selection

Enrollment of foreign students: for a free pre-evaluation of the suitability of your curriculum for enrolment and for directions for formal enrollment, send asap to businessinformatics@di.unipi.it the following information:

- your CV with full data;
- lists of passed courses with marks and credits or course hours;
- a syllabus with full descriptions of course contents.

STUDY PLAN

The Programme offers a wide range of courses taught in English, including at least 42 ECTS credits for mandatory courses.

The study program depends on the applicant's BSc area, but in all cases it will have at least 48 ECTS credits of Informatics, with 36 in the field of the fundamentals of Business Intelligence.

The final thesis may be associated with an internship in public or private companies.

The Master Programme has the following structure:

FIRST YEAR		
Decision Support Information Systems: Module 1: Decision Support Databases (6 ECTS) Module 2: Data-Driven Decision Methods (6 ECTS)	12 ECTS	<i>Mandatory</i>
Logistics	6 ECTS	<i>Mandatory</i>
Elective courses from the Business Economics area	18 ECTS	<i>Elective</i>
Elective courses from the Business Economics, Business Law, Informatics, Mathematics, Operation Research, and Statistics areas	24 ECTS	<i>Elective</i>
TOTAL	60 ECTS	

SECOND YEAR		
Data Mining Module 1: Foundations (6 ECTS) Module 2: Advanced Topics and Applications (6 ECTS)	12 ECTS	<i>Mandatory</i>
Business Performance Analysis Module 1: Business Process Modeling (6 ECTS) Module 2: Business Intelligence Laboratory (6 ECTS)	12 ECTS	
Elective courses from the Informatics area	12 ECTS	

Exams open to student's choice	9 ECTS	
Final Master's Dissertation	15 ECTS	
TOTAL	60 ECTS	

TERM PROGRAMME

Most courses are taught on a semester base.

- Fall Semester: Mid September (approx.) → Mid December (approx.);
- Spring Semester: Mid February (approx.) → Mid May (approx.).