

INFORMATION SYSTEM GOVERNANCE MASTER OF SCIENCE

ACCREDITATION

Internationally recognized Master's Degree in Information Technologies (IT) accredited by the French Ministry of Higher Education and Research.

Co-accredited with the University of Southern Brittany (Université de Bretagne Sud, UBS).

KEY WORDS

Information Technologies / Management / Conception / Planning and Design / Consulting / Project management / IS Urbanization / TOGAF / Data Science

SCHOOL PROPOSING THE MASTER

IMT Atlantique, a «grande école» which is part of the Institut Mines- Telecom, a leading French higher education and research institution in engineering, with 12,500 students.

LOCATION

Classes are given in Brest and Vannes which are both located in Brittany, one of the most visited areas in France due to its breathtaking landscapes and seascapes as well as its numerous historical treasures. Brest campus (IMT Atlantique) is located in the centre of the Science Park overlooking the entrance to the Bay. It includes halls of residence and cafeteria. Vannes campus (UBS) is close to the Gulf of Morbihan and offers facilities nearby.

STRONG POINTS OF THE PROGRAM

In addition to being a flagship of European institutes of higher education, IMT Atlantique is affiliated with many networks in France and abroad, and is a center of high-level research activities. Strong links with industry have made it possible to attain excellence in pedagogical methods, project-based teaching and corporate research.

Almost half of the students come from outside France, with more than 50 nationalities represented on our campuses. This fact gives rise to a significant intercultural dimension and results in an interesting, enjoyable, multicultural everyday life experience. Furthermore, the teaching staff consists of internationally renowned specialists in Information Systems planning and Information Technology management.

These competencies have made IMT Atlantique the only French institution accredited as a school of information studies (iSchool).



INDUSTRIAL PARTNERS (COURSES AND INTERNSHIPS)

Crédit Mutuel Arkéa de Bretagne, BNP Paribas, Bouygues Télécom, Free Mobile, Orange Labs / France Telecom R&D, Qualcomm, Logica-CGI, Accenture, Solucom, Thales Aerospace, Thales Research & Technology...

LANGUAGE OF TEACHING

During the first semester of the program, classes are taught in English. Over this period, students acquire sufficient skills in the French language to attend lectures with native speakers in the following semesters. Progressive immersion in the French language and culture is one of the special features of the curriculum.

ENVIRONMENT

The IT sector and its associated services are one of the engines for growth in a globalized world. The implementation of information systems and business changes the modes of operation within the company, alters the modes of cooperation and negotiation between different actors, affects the strategies of the company with respect to its environment, and raises new legal questions.

COURSE AIMS

This MSc program is aimed at future experts in IT project management and IT & organization consulting, providing them with the necessary skills to analyze the effects of establishing an information system, to participate in the implementation of such a system, and to measure the actual effects of using such systems, especially in an increasingly open environment. Within an information systems management service or as part of a consulting firm supporting a CIO, the expert in IT project management and organization consulting is the link between business needs and technical teams which may be external to the company. As such, s/he has to be able to propose and evaluate technical solutions with respect to a set of specifications.

This program also offers a gateway to PhD studies in IT management.

PROGRAM

This is a full-time, two-year course divided into four semesters:

First semester

- > Networking fundamentals
- > Basics of computer science
- > Mathematics & statistics
- > Bibliographical study
- > Intercultural workshops
- > Intensive French language courses (6 hours per week)

Second semester

- > Software & data engineering
- > Computer science fundamentals
- > Information policy (economics and social impact of the diffusion of information technology).
- > An engineering project in teams of 5 or 6, focused on acquiring project management experience and applying knowledge acquired in coursework
- > French language (3 hours per week)

Third semester

Choice of one area of specialization: either IS evaluation and consulting or IS project management.

CORE COURSES

1) Basics of Statistics & Network Economics; 2) Management and information systems; 3) Information Systems and Organization Management.

ELECTIVE

Decision Support Information Systems & Information Systems Design and Evolution or Socio-economic Evaluation and Audit of Information Systems & Economics and Legal issues in IT

- > Project in IT system evaluation, consulting or IT project management.
- > French language courses (3 hours per week)

For those planning to apply for a PhD program, specific research courses are possible.

Fourth semester

This semester is spent carrying out a development or research project in an industrial or academic laboratory in France or abroad.

Upon completion of the four semesters, students defend their master's thesis.

INFORMATION SYSTEM GOVERNANCE

MASTER OF SCIENCE

ADMISSION REQUIREMENTS

The entry requirements include a first-class Bachelor's degree or a four-year degree in one of the academic topics offered by the Master's course. Candidates have to show an outstanding academic record for their application to be considered. A background in computer science is a pre-requisite.

LANGUAGE REQUIREMENTS

English

When applying, students must provide evidence of proficiency in the English language. This could include:

- > having English as mother tongue
- > work/studies in an English-speaking country
- > acquisition of an official English language qualification such as:
 - TOEFL: 550/677 (Paper-based) or 79/120 (Internet-based)
 - IELTS: 6/9
 - TOEIC: 750/990
 - Cambridge: CAE (Certificate of Advanced English)

French

Knowledge of French is not mandatory before arrival in France. In addition to French language courses during the academic year, a 3-week intensive French language course is organized by Telecom Bretagne in August. This course is provided for all MSc students at no extra cost (except living expenses, insurance and social activities). Groups range from beginner to intermediate level.

APPLYING

Apply at

www.imt-atlantique.fr/fr/formation/masters

COMPETENCES ACQUIRED

Thanks to IMT Atlantique and UBS expertise in postgraduate education and research, high-level competencies are acquired not only in technical/scientific fields but also in team working, written and oral communication, innovation and project management.

Last but not least, French language skills are also one of the new skills beneficial for working in France and other French-speaking countries or for French companies abroad.

TYPICAL JOBS

- > Project manager in an information system service
- > Consultant in organization & information systems
- > Consultant in information systems marketing
- > Information systems bid engineer
- > Information system manager

COST

Tuition fees for the full 2-year program:

€10,200

€5,200 (Europe and Erasmus zone) Possible partial fee waivers

SCHOLARSHIPS

Scholarships are available depending on academic record and country of origin (companies, governments, embassies, etc.). It should be mentioned that internships are paid and cover living expenses during the last semester.

DURATION

2 years (starting in mid-August)

LODGING

Living expenses are quite low in Brittany compared to other locations in France, Europe or United States. The total amount does not exceed €6,000 per year (on-campus food and accommodation).

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CONTACT

IMT Atlantique
Brest Campus
Graduate Office / MSc
CS 83818
29238 Brest Cedex 3
FRANCE

www.imt-atlantique.fr/fr/formation/masters

Contact Email:

info-msc-it@imt-atlantique.fr



Institut Mines-Télécom

IMT
International Relations
37-39 rue Dareau
75014 Paris - France
international@imt.fr
www.imt.fr