

The Future Of Doctoral Studies In English



IMT Atlantique
IMT Atlantique
Campus de Brest
Ecole IMT Atlantique

**DATA SCIENCE
(IN BREST)
MASTER OF SCIENCE**

ACCREDITATION
Internationally recognized Master's Degree in Information Technologies (IT) accredited by the French Ministry of Higher Education and Research.
National Accreditation Reference: 1702066Z
Co-accredited with the University of Southern Brittany (Université de Bretagne Sud, UBS).

KEY WORDS
Data Science / Computer Science Artificial Intelligence / Business Intelligence/ Data Warehouse / Knowledge Discovery / Data, Text, Web and Social Network Mining / Statistical Inference Knowledge Management / Knowledge Based Systems / Information Systems Decision Support Systems / Decision Aiding

SCHOOL PROPOSING THE MASTER
IMT Atlantique, a «grande école» which is part of Institut Mines-Télécom, a leading French higher education and research force in engineering, with 12,500 students.
The University of Southern Brittany is a multidisciplinary institution with academic programmes from bachelor's level to the doctorate in different areas: arts, social sciences, engineering, computer science, biochemistry, mathematics, law, economics and business.

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
Besides being flagships of European institutes of higher education, IMT Atlantique and UBS are affiliated with many networks of alliances in France and abroad, as well as a pole for high-level research activities. Strong links with industry have made it possible to reach excellence in pedagogical methods, project-based teaching and corporate research.
Almost half of the students come from outside France, with more than 50 nationalities on our campuses. This fact reflects a very high intercultural dimension and results in an interesting, enjoyable, multicultural everyday life experience.
[Scholarship]
Furthermore, the teaching staff consists of internationally renowned specialists in information technologies and engineering. These competencies have made IMT Atlantique the only French institution accredited as a school of information studies (www.ischool.org).

**INDUSTRIAL PARTNERS
(COURSES AND INTERNSHIPS)**
Arkia Crédit Mutuel de Bretagne, BNP Paribas Assurances, Dassault Aviation, Ifremer (French Research Institute for Exploration of the Sea), INSERM (National Health and Medical Research Institute) & Stat Life, Orange Labs / France Telecom R&D, SAS, SHOM (French Hydrographic and Oceanographic Institute), Thales Aerospace and Research & Technology...

LANGUAGE OF TEACHING
The first semester classes are taught in English. Over this period, students acquire sufficient skills in the French language to be able to follow second and subsequent semester lectures together with native speakers. Progressive immersion in the French language and culture, an educational challenge, is one of the special features of the curriculum.

ENVIRONMENT
In the last few decades, companies have accumulated overwhelming amounts of data, be it textual (reports, emails, phone call transcripts, etc.), numeric (sales figures, meteorological data, etc.) or binary (images, audio, sensor data, etc.). Using statistical "data mining" methods, one can detect tendencies, hidden patterns and knowledge nuggets, and use them to make strategic decisions. This process is of crucial importance in all sectors of activity, and in particular for business, science, politics, security, healthcare, etc.

COURSE AIMS
This MSc program is aimed at future experts in the design of high-performance support systems for data mining, knowledge extraction and decision aiding. This Masters program also offers a gateway to PhD studies.

PROGRAM
This is a full-time, two-year course divided into four semesters. The 1st semester is a common core given in English in Brest. From the 2nd semester students can focus on Intelligent Decision Systems (IDS) in Brest or in Statistical Decision Engineering (SDE) in Vannes.

First semester (in Brest)

- Basics of computer science
- Mathematics & signal processing
- Introduction to data science
- Networking fundamentals
- Bibliographical study
- Intercultural workshops
- French language (6 hours per week)

Second semester (IDS)

- Software & data engineering
- Computer science fundamentals
- Mathematics and information theory
- An engineering project in working groups of 5 or 6, focused on acquiring project management experience and applying knowledge acquired in coursework
- French language (3 hours per week)

Second semester (SDE)

- Data mining and machine learning
- Duration modeling and survival analysis
- Decision support systems and data warehouse
- Projects and consulting
- French language

Third semester (IDS)

- Frequentist Statistics and Probabilistic
- Graphical Networks
- Information systems applied to decision support
- Knowledge engineering
- Data, text and Web mining
- Decision aiding
- Project in decision support systems

IMT 2017

Also, it can help him model more updated methods for future research. you usually have to write the dissertation in Hebrew, while adding an English abstract .3-year, English-language doctoral programme (ECTS); Academic training in research design and methods; Strong advisory structure and close interaction.Education and Future Research. Contact. Sascha Dannenberg. Address English Summary - Masterstudiengang Zukunftsforschung. Expand allCollapse all.Orientation for (future) doctoral students. On Wednesday, 3 October will be held in German. However, there will be opportunities to ask questions in English.Topic and supervisor. Duration doctoral period. Predoctoral training. Academic admission doctoral programme. Joint PhD (doublet or joint doctoral degree).Doctoral Program in English,Graduate School of International Cooperation what every future leader always dreams of: To embrace the world beyond borders.The doctoral degree programme at the University of Liechtenstein .. English language skills at least of level C1 of the Common European Framework of.PhD studies. Prepare to meet future challenges. Go for a fulfil the entry requirements; possess good English language skills; have the ability to cope with the.Course information for prospective postgraduate students on our PhD English Literature doctoral research degree programme at the University of Birmingham.Doctoral studies in the Faculty of Science is the province of scholars prepare third-cycle students for future activities both within and outside of the higher Even if you can speak English with practically everyone in Sweden.Doctoral studies. Admission to Swedish PhD programmes is managed by the universities' faculty what projects are being conducted or planned for the future.Doctoral Programme in Economics and Business. banner. For the eleventh Plan your future - Become a Doctoral Student at the FELU. Become actively.

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