



MASTER Enterprise Engineering

Program factsheet

ADMISSION REQUIREMENTS

Candidates must fulfill the following requirements:

- › Hold a Bachelor degree with four years of study in any field (240 ECTS equivalent), or have completed the first year of a Master within the domain of Science and Technology.
- › This international Master concerns students who have completed four years university studies and who wish to receive professional training in the area of Enterprise Modelling, Integration and Interoperability, with the goal of developing an international career.

- › Admission is decided according to the diploma. If necessary, candidates are convened for an interview (face-to-face or via Internet).

LANGUAGE REQUIREMENTS

English: candidates must possess a good level of listening and writing in order to follow lectures and pass exams.

LEVEL

International Master (year 2).

PROGRAM DURATION

1 year (60 ECTS).

TUITION FEES

3,000€ including social security and health insurance.

Program outline

The Master of Enterprise Engineering program is organized over one year corresponding to semesters 9 and 10 (year 5) of the overall university education cycle.

Training takes place in France (Bordeaux) and is dedicated to the teaching of Enterprise Engineering. The first semester (September to December) is concerned with lectures, exercises and practical work; the second semester (January to July) is concerned with projects and an internship (within a company or a research laboratory).

The Enterprise Engineering program benefits from the expertise of the Industrial Engineering research group at the IMS laboratory, University of Bordeaux. This expertise is well recognized at national and international levels in the field of industrial engineering.

The Productics group has developed and maintained close relationships with the industrial world for more than 35 years.

Lectures, exams and internship report are conducted exclusively in English. The courses are validated by written and/or oral exams, and the internship is subject to a report/memoir and a presentation in front of a jury.

Once the Master studies are completed, graduates obtain a Master Degree of the University of Bordeaux, an official national diploma in France.

Program structure

Semester 1

SEPTEMBER TO DECEMBER

- › Information System and Interoperability (ISI)
(6 ECTS) - Compulsory
- › Enterprise Modelling (EMO)
(6 ECTS) - Compulsory
- › Production Management (PMT)
(6 ECTS) - Compulsory
- › Performance and Continuous Improvement (PCI)
(6 ECTS) - Compulsory
- › Supply Chain Management & Networked Enterprise (SCM) - (6 ECTS) - Compulsory

Semester 2

JANUARY TO JULY

- › Scientific Conferences and/or Projects (COS/PRO)
(6 ECTS) - Compulsory
- › Internship: Professional/Research (STA)
(24 ECTS) - Compulsory

Strengths



This international Master aims at training high level executives in the Enterprise System.



Students are capable of modelling, analyzing, designing and implementing organizational, technical and software application solutions to improve the performance of manufacturing and service enterprises.



Students may work and develop their careers in an international, professional environment, in particular within the context of industrial collaborations across the continents.



International network: the program welcomes international guest researchers from: Germany, Italy, Japan and the USA.

→ And after?

Employment opportunities mainly concern companies (large companies as well as small/medium companies) that have developed international industrial cooperation.

Job positions are found within the sector of the manufacturing industry as well as the service sector.

Some examples of these positions include: Head of Industrial Management (production, quality, maintenance), Manager of Design, Development and Implementation of Software Applications, Consultant, Project Leader, etc.

Contact

Mamadou Kaba TRAORE (professor, program supervisor)
mamadou-kaba.traore@u-bordeaux.fr

Myriam BOUTGES (secretary)
myriam.boutges@u-bordeaux.fr

How to apply?

The candidate must first send a short CV to the coordinator.

The pre-admission form may be downloaded from the University of Bordeaux website as of February / March:

- › <http://www.u-bordeaux.fr/Admission/Etudiants-et-rangers/Licence-et-Master>

Please note: this Master program welcomes a maximum of 20 students.

www.u-bordeaux.com

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