

IKSEM Information and Knowledge Systems
Engineering and Management

MASTER



Dual Degree Programme.....

Apprenticeship.....


UNIVERSITÉ PARIS 1
PANTHÉON SORBONNE

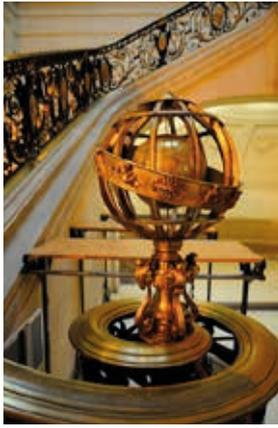


Ecole de Management
de la Sorbonne

UFR 06

2015 - 2016

IKSEM MASTER



Department Gestion Sorbonne

The department Gestion Sorbonne of the world renowned Sorbonne University is specialized on research and formation in management. It has expanded on its traditional French Masters programme on Information and Knowledge Systems to build this training in English for international students.

Foreign students who have completed 240 credits in the European System (or equivalent), with a background in ICT, are eligible to enter into the second year of this programme. During this second year, students shall specialize in Information and Knowledge Systems Engineering and Management (IKSEM).

IKSEM is a dual degree programme in ICT and Management. It offers the unique opportunity for European and International students to get two degrees from the prestigious Sorbonne University and its Management School (UFR 06).

Programme objectives

- To provide students knowledge and know how on Information and Knowledge Systems (IKS) engineering and management.
- To expose them to its immediate experience in French industry by performing tasks that are closely related to the academic instruction.
- To develop multidisciplinary skills to allow students to become adept at recognizing and orchestrating the interplay between IKS, organization strategy and business processes.

French Apprenticeship System

The programme uses the National French 'Apprenticeship' style of teaching/learning: under IKSEM students spend alternate periods in the company and academia (cycle of 4 weeks in industry followed by 2 weeks in academia). They work under mentorship of two designated mentors, one each in industry and academics, respectively. Thus, there is continuous cross fertilization between course work and industrial practice.

Admission requirements

Age: Candidates must be under the age of 26 years at the time of admission to IKSEM.

Qualifications: Candidates must have passed the first year of a Masters programme in Computer Science, Software Engineering, Information Science or allied area. They must have completed 240 credits in the European System, with a background in ICT. Those exposed to Management shall be given preference.

English Language Proficiency: Candidates should have passed TOEIC with a minimum score of 700 or should be able to demonstrate an equivalent proficiency in English. An optional supplementary course in English of about 2 weeks duration may be offered to selected students.



Programme Benefits

- Cutting edge International exposure through faculty members drawn from CRI, the internationally recognized Centre for its research in the field.
- Competitive advantage through the acquisition of two degrees and one year work experience as part of IKSEM programme. Successful students will be awarded a Master of Science degree in Information Systems Engineering called 'MIAGE' and a Master of Management in Management of Information and Knowledge Systems called 'SIC'.
- Problem solving skills in the emerging area of IKSEM leading to employability on the international market place.
- Earn while you learn through paid contractual employment in French Industry arranged by the Centre de Formation par l'Apprentissage, CFA-AFIA.



"Being part of the 1st promotion of the IKSEM Master was a great mind opening experience. Not only was it an opportunity to follow a quality education on Information Knowledge engineering and management, but also to dive into a full English environment. The courses organized around teaching and group work sessions are a great opportunity to share experiences from different business and cultural backgrounds between students and professors. The articulation of this Master degree around an apprenticeship in a company is a tremendous advantage. Indeed, you are going to be able to apply the concepts seen in class in a real business environment, and therefore aggregate business experiences around these concepts and methods to give you a precise understanding of IT and especially of its influence on organizations. The Master thesis is another opportunity to go deeper in a specific subject. Not only does it give you a specific knowledge on a subject of your choice, but also an advantage on the job market by being able to valuate this research project for your future career. The IKSEM Master has been an excellent way to conclude my student journey, showing me how to gain a precious thing, time, and putting me on the right track to pursue an international trajectory in the IT consulting area."



Raphaël Alazard,
student 2009/2010,
Junior IT Consultant Axa

Student Employment Profile

The employment record of the first batch of IKSEM students who passed out of IKSEM is excellent: 90% of students at the end of IKSEM and 100% less than 3 months after. The average salary of IKSEM 2014 batch is 39 400 € per year. IKSEM students are employed as IKS engineers as support of business teams, i.e. Enterprise Architects (40%), Consultants (30%), IKS Developers (10%), Auditors (10%), others (10%).

A multi-cultural environment for learning together

- In the 2011 batch, 73% of the students have a curriculum from the University, 27% of them were engineers before acceding to IKSEM. 36% are not french (8 different nationalities including french). 41% have a previous experience in the industry as apprenticeship before joining IKSEM.
- An international seminar has been organised for the students of IKSEM 2011 and 2012 batches at the Universidad Politecnica de Valencia (Spain) in May. It included a 4-day academic programme and a day for industrial (visiting a company) and cultural discovery. IKSEM 2013 students participated to the IEEE International RCIS (Research Challenges in Information Science) Conference organised at Sorbonne in May 2013. IKSEM 2015 students will participate to the IEEE International RCIS Conference organised in Athens at the Harokopio University in May 2015.

Courses

- Enterprise Architecture & IS Urbanization
- Decisional Systems
- Enterprise Knowledge Modelling & Management
- Data Mining & Knowledge Extraction
- Requirements Engineering
- Service Oriented Systems & Interoperability
- ERP Systems
- Systems & Method Engineering Environments
- System Dynamics
- Organization Strategy & Business Processes
- IKS Governance & Quality Assurance
- Developing Communication Skills

In parallel with courses, students have to develop a Master thesis about an emerging professional problem of IKSEM. The thesis must combine the use of knowledge acquired in academic courses with experience gained in industry. It shall be jointly supervised by the main supervisor from university and the co-supervisor from industry.



Application Timeline

Application deadline: June, 1st 2015
Interview: June, 17th & 18th 2015
Acceptance notification: June, 19th 2015
Programme start: end of September, 2015

Course Curriculum

The curriculum is 13 months long. It begins end of September and ends in mid-october the next year. It comprises 8 sessions of 2 weeks each at the University and 9 sessions of 4 weeks each in industry.

Programme Director



Selmin Nurcan is Associate Professor at the Paris 1 Panthéon-Sorbonne University in the Management Faculty and Researcher at the CRI Research Centre. She got her Engineer and PhD Degrees in Computer Sciences at INSA-Lyon (National Institute of Applied Sciences). Her research interests are in the areas of enterprise modelling, business process modelling, business and IS alignment, enterprise architecture, process (re)engineering, change modelling, cooperative IS engineering.

She is associated with industrial collaborations and has been involved in a number of European Research Projects. She has published more than 100 reviewed papers in Journals, Conferences and Workshops. She is co-chair of BPMDS series in conjunction with CAISE International Conferences, co-founder and co-chair of BPMS2 series (Business Process Management and Social Software) in conjunction with BPM International Conferences, co-founder and co-chair of SoEA4EE series (Service-oriented Enterprise Architecture for Enterprise Engineering) in conjunction with EDOC IEEE International Conferences. She is serving on the editorial board of several International Journals. She is also acting as a program committee member of a number of international and national conferences.

Selmin NURCAN, PhD HDR

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Faculty Members

Colette Rolland, Professor (Paris 1 Panthéon-Sorbonne University) • Said Assar, Associate Professor (Télécom & Management SudParis) • Yves Chaumette, IKS Consultant • Stephane Copin, KBS Consultant • Wassim Hourani, Project Manager (Caisse des Dépôts) • Ian King, International and Intercultural Coach • Myriam Lewkowicz, Associate Professor (UTT Troyes) • Miguel Liottier, BHA Consultant • Alain Lhommeau, Consultant • Raúl Mazo Pena, Associate Professor (Paris 1 Panthéon-Sorbonne University) • Selmin Nurcan, Associate Professor (Paris 1 Panthéon-Sorbonne University) • Jeff Primus, Director (Ardantic) • Jean Romedenne, Directeur Projets Informatique-Organisation • Irina Rychkova, Associate Professor (Paris 1 Panthéon-Sorbonne University) • Camille Salinesi, Professor (Paris 1 Panthéon-Sorbonne University) • Samira Si Said, Associate Professor (CNAM) • Carine Souveyet, Professor (Paris 1 Panthéon-Sorbonne University) • Vincent Vettier, KBS Consultant •

Each year, international invited speakers join the faculty team.

CRI Research Centre and Invited Speakers

The IKSEM Master programme benefits from the synergy with the Computer and Information Science Centre of research of the Paris 1 Panthéon-Sorbonne University, namely the CRI. The CRI is internationally renowned for its research in information systems engineering. It belongs to international research networks and is connected with universities and research institutions all over the world from which it invites eminent faculty members who deliver conferences and seminars to IKSEM students.

<http://cri-sorbonne.fr>

For further information

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Centre de Formation d'Apprentis

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Location

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