

Institut de gestion des entreprises
Université Saint-Joseph de Beyrouth
Campus des sciences et technologies
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Université Saint-Joseph de Beyrouth
Institut de gestion des entreprises

MASTER IN COMPUTER SCIENCE FOR BUSINESS

Presentation

The Master trains information systems professionals who understand how an organization works, its structures and its strategic imperatives.

At the end of the curriculum, graduate students will have developed all the necessary skills for exercising their future profession: the design, the development, the management of information systems and their evolution, in order to define, formalize and automate the implementation of functional solutions.

The Master degree leverages the use and sound understanding of new technologies that allow IT solutions to constantly evolve (DevOps), improve decision making (ML and AI), implement digital transformation (IoT, BPM, blockchain) and enable the interoperability among systems (middleware, services and APIs).

Objectives

- Train versatile professionals, specialists in Information Technology, with a developed sense of communication and good knowledge of the enterprise and business world.
- Develop skills allowing to intervene at different levels:
 - Implement the digital transformation of companies
 - Design the architecture of information systems and automate the software production cycle
 - Lead projects, make decisions or start a business

Name and contact

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Partnership and agreement

University of Paris Dauphine / USJ-IGE double degree

An agreement between Saint-Joseph University – Institute of Business Administration and University of Paris Dauphine provides a select group of students with a unique opportunity to obtain a double master's degree from both universities.



Admission Requirements

- 1 Bachelor's degree in Computing
- 2 Application study
- 3 Interview

Teacher Testimonial

Karim Saikali, CTO scriptr.io, expertise in digital transformation, Assistant Professor in Computer Science, IGE-USJ

The technical, entrepreneurial and management skills you will acquire during the master will widen your scope of professional opportunities and will be the fuel that boosts your career.

Organization

The courses take place over two years (at least 4 semesters).

Courses are scheduled in the late afternoon starting 6 p.m. which allows students to have a professional activity while attending classes.

Curriculum

- Artificial Intelligence
- Big Data
- Business Intelligence and Data Warehousing
- Business Process Management
- Cyber Security
- Data Science
- Deep Learning
- DevOps
- Distributed Systems and Algorithms
- Entrepreneurship
- Information Technology Law
- Internet of Things
- IT Audit
- Machine learning
- Master Thesis
- Negotiation skills
- Project Management applied to Software Development
- Software Architecture and interoperability
- Strategic Management
- Strategic Marketing of Services
- Talent Management
- Web Services

Career Opportunities

Targeted positions

- IT Solutions architect
- IT Consultant
- Project manager
- IT Manager
- Devops specialist
- Entrepreneur

Areas of employment

- IT services and engineering companies
- Major providers of Internet services and products, and social medias
- Financial institutions and public administrations
- Large companies
- Consulting firms



Alumni Testimonial

Nadim Sayegh, Manager at Microsoft - Gulf

The Masters in Information Technology that I've completed at IGE facilitated my journey into technology consulting and forged me into the successful professional I am today. I learned all the fundamental pre-requisites and skill set needed to excel in the Tech world. Post the masters, I joined Accenture technology consulting – Dubai as a senior consulting analyst and then moved upward the ladder to a senior consulting role. 4 years after, I was able to also land a manager role at Microsoft - Gulf focusing on Customer success excellence.

The assortment of technical skills and soft skills acquired at IGE masters in Information technology were the Core pillars to my career success. I strongly recommend this master to all IGE students striving for a promising international career in Information Technology and Technology Consulting!

