

SIA

Sustainable Impact Analysis



Energy and ecological transition
Healthcare in aging societies
Digital transformation
Smart cities

Location: Paris School of Economics,
Jourdan Campus – 75014 Paris

Contact:
master-sia@psemail.eu

**SIA
Partners**



**Autorité de Régulation des
Transports -
Tier Mobility - World Bank**

**Capstone
Projects
Partners**

The MSc SIA is a postgraduate Master's degree awarded by the École des Ponts ParisTech and jointly run with the Paris School of Economics.

It is a challenging full-time 12-months program that will provide students with the outstanding opportunity to acquire the tools of economic evaluation. It combines a rigorous academic core with tailored practical applications to variety of professional sectors.

The Master of Science SIA is designed for technically-minded graduates who wish to undertake a deep, analytical study of the economic evaluation of projects, investments and policies. You will learn how to put the latest academic thinking and business strategies into practice from leading practitioners and faculty, giving you a thorough and hands-on understanding of economic evaluation methods.



■ **Application deadline**
Until mid-July 2022

■ **Application review**
Within 10 days,
on a rolling-basis

■ **Interview & Acceptance**
Straight away, face to face or
via video conference
Final accept. within a week

■ **MSc duration**
From September 2022
to August 2023



PROGRAM SYLLABUS

From September to March

■ Core Curriculum and Field Courses

400 hours of in-class lectures taught by leading scholars from the Paris School of Economics and the École des Ponts ParisTech.

CORE

- Cost-Benefit Analysis
- Econometrics and Data Analysis
- Industrial Organization and Regulation
- Innovation and intangible assets evaluation
- Investment Decision
- Macroeconomics
- Finance and Corporate Finance
- Organizational & Managerial Practices
- Risk & Uncertainty
- Structured Finance

FIELD

Energy and ecological transition

- Sustainable development and climate change economics
- Energy Economics
- Water, sanitation and waste management economics

Digital transformation

- Platform Economics
- Disruptive business model
- Data Analytics

Healthcare in aging societies

- Health economics
- Aging and health
- Regulation in healthcare

Smart cities

- Urban economics
- Housing and Real Estate
- Transport Economics

■ Capstone Projects

The capstone project mainly consists of fulfilling a consulting mandate given by a company or any other organization interested in taking advantage of the training provided by our program in economic evaluation of all types of investment projects. It allows students to approach the realities of corporate life and includes 72 hours taught by staff and guest lecturers with extensive experience in industry. It offers a unique opportunity to learn from experts how to manage and deliver a consultancy mandate.

From March to August

■ Internship

4-month internship program
(internship and internship thesis)

LOCATION

The MSc SIA is based at the PSE campus in the 14th arrondissement of Paris. A new 12500 m² building houses around 1500 researchers, students, and administrative teams of the PSE and the Ecole normale supérieure.

The Jourdan campus offers ideal conditions: numerous classrooms and working spaces, a 300-seat amphitheater, a library with more than 50000 books and online journals, a student home...

SKILLS ACQUIRED

Upon graduating from the MSc SIA program, students will have solid knowledge of the central concepts, theories and tools, and research methods of economic evaluation as well as applied skills. In particular, students will be able to:

- Carry out investment economic **evaluation analysis** in various fields through advanced analytical techniques.
- Design **investment strategies** and manage **infrastructure projects**.
- Assess the suitability of **each evaluation method** according to the sector, available data and purpose of the evaluation.
- Apply **computational and statistical methods** to analyse data and to manage databases.
- Report results in a clear and understandable manner to **support decision making**.

CAREER PROSPECTS

A dedicated **Career Center** helps students finding a valuable internship program with the help of the Master's Sponsors, as well as making informed decisions about career goals and find opportunities related to their professional objectives.

Taking advantage of the **Alumni network** of the Paris School of Economics and the École des Ponts ParisTech, the MSc SIA attracts **several leading companies, agencies, public institutions** to deliver presentations. This provides interactions and expose our students to their potential employers.

The skills acquired enables students to **work in Europe and abroad** in:

- Construction, IT, health, energy, water, real estate, natural resources industry
- Financial institutions and Banks
- Investment Funds for Infrastructure
- Development Banks or equivalent
- Leading consulting firms
- Assistant to Contracting Authority (ACA) firms
- Public sector institutions and administration

”

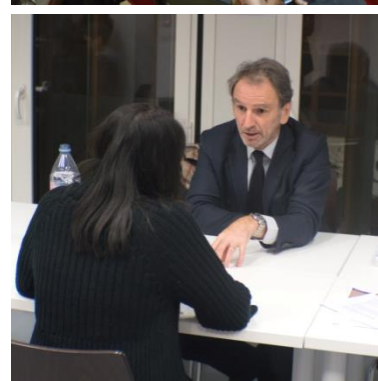
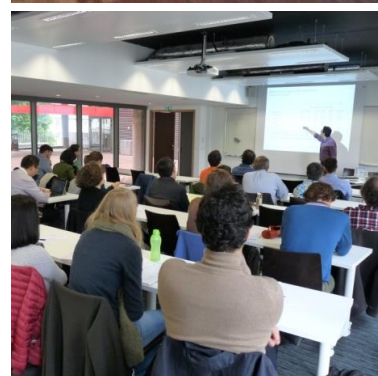
For us the credibility of cost-benefit analysis requires two main skills. First is the mastery of various tools, some of which are highly technical. Second is the experience of using them in relevant ways in highly diverse sectors.

Luc Baumstark
Secrétariat Général pour l'Investissement

Today the race for talent is accelerating. Companies seek expertise, agilities and motivation when recruiting. In this new world, excellent academic level but also professional experiences are expected. SIA allows the new worker to be efficient right away.

Xavier Fournet
KPMG

“



APPLICATION STEPS AND REQUIREMENTS



The MSc SIA is designed for new and recent graduates holding a 4-year bachelor's degree (or equivalent). Candidates with more than three years' work experience will be considered on a case-by-case basis. **Admission is very competitive** and the selection committee will pay close attention to all aspects of your application. You are invited to submit your application form and supporting materials on a rolling-basis, before mid-July 2022.

FIVE STEPS

On www.pse-application.eu, you can start the process whenever you want, create and save your profile step by step. Each application undergoes four phases:

1. Submit **your application**. See the list of the required documents and schedule online.
2. Applications are analysed on a rolling-basis. Once completed, your application is **reviewed within 10 days**.
3. Preselected applicants will be proposed **an interview via video conference**. The objective is to measure the relevance of the programme with your own educational qualifications and professional plans.
4. Final **acceptance is announced within a week** after the interview, and we then contact you to finalize the process. Do not hesitate to visit our "Prepare your arrival" section.

REQUIREMENTS

- **Undergraduate degree:** The master SIA is open to candidates holding a 4-year bachelor's degree (or equivalent) in Engineering, Economics (with high quantitative skills), Mathematics or Statistics.
- **GMAT or GRE score** (optional): Admitted students usually have a quantitative score in the 90th percentile, verbal score in the 80th percentile and analytical writing score is at least 5.
- **Work experience:** It is not mandatory to have any full-time work experience prior to applying to the program. However if you have any relevant experience, either full-time or via an internship, this will be considered as part of your application for the program.
- **References:** Two academic or professional references submitted via the application website. If you are in the process of completing a degree program, one reference should be from your current institution.
- **English language test:** A test of English as a Foreign Language (TOEFL) or International English Language Test Scheme (IELTS) must be taken, and all minimum scores met (unless eligible for a waiver) if either your first language is not English or you are not from a majority English speaking country, as defined by the UK Visas and Immigration office.

Location: Paris School of Economics
Jourdan Campus, 48 Boulevard Jourdan
75014 Paris - France

Starting date of the Master: **August 31, 2022**

Applications: until mid-July 2022

Interviews: on a rolling basis

Admissions: announced within a week after the interv.

Seats: between **35 to 40 students** / academic year

Tuition Fees: €15,000

Contact: master-sia@psemail.eu
SIA Directors: **C. Staropoli** – carine.staropoli@psemail.eu
and **C. Gallery** – clive.gallery@enpc.fr

