

MASTER
OF SCIENCE

■ SIA

SUSTAINABLE IMPACT ANALYSIS



École des Ponts

ParisTech



PARIS SCHOOL OF ECONOMICS
ÉCOLE D'ÉCONOMIE DE PARIS

MASTER OF SCIENCE IN SUSTAINABLE IMPACT ANALYSIS

The Sustainable Impact Analysis Master of Science (MSc SIA) is jointly run by the École des Ponts ParisTech and the Paris School of Economics. It is a challenging full-time 12-month program which enables students to learn a wide range of economic cost-benefit valuation tools. The MSc is designed for graduate students who wish to build on an analytical background and provides knowledge on the sustainable impact of projects, investments, and policies.



KEY WORDS

DATA ANALYSIS
ECONOMICS
DIGITAL TRANSFORMATION
HEALTH ECONOMICS
SMART CITY
SMART MOBILITY
DATA SCIENCE
STRUCTURED FINANCE
DISRUPTIVE BUSINESS MODELS
ECOLOGICAL TRANSITION
COST-BENEFIT ANALYSIS

CONTACT

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JOINT ACCREDITATION BY 2 WORLD-CLASS ACADEMIC INSTITUTIONS:

• ÉCOLE DES PONTS PARISTECH

École des Ponts ParisTech is a leading French engineering school preparing future leaders, high-level engineers, and researchers capable of facing current societal challenges.

In addition to civil engineering and land-use planning, which have historically been its hallmarks, the school is developing training and research excellence related to the challenges of the energy transition or in broader fields, such as Applied Mathematics, Economics and Industrial Engineering.

The Master of Science degree is accredited by the Conférence des Grandes Écoles (CGE) and enables our participants to acquire a specialisation to make a difference on the job market.

KEY FIGURES



12

research laboratories



448

researchers



1410

experts and professionals involved in continuing education



13

EXECUTIVE MASTERS WITH NEARLY 50 PROFESSIONAL PARTNERS



310

MS GRADUATES IN 2023

1⁺
MSC

• PARIS SCHOOL OF ECONOMICS

The Paris School of Economics is a research and training center founded by the CNRS, the École des Ponts ParisTech and four other organizations. PSE brings together a community of nearly 150 researchers and 155 doctoral candidates. PSE - the leading economics department in Europe and among the top six in world, according to the RePEc ranking - conducts research and teaches economics courses at the highest international level.

FORMATION



400

hours of teaching
(see below for details),
Capstone Projects,
a 4-month internship



Language:
ENGLISH

CALENDAR

FROM SEPTEMBER TO MARCH

- Core Curriculum and Field Courses: 400 hours of in-class lectures taught by leading scholars from the École des Ponts ParisTech and the Paris School of Economics.
- Capstone Project: Management and delivery of a consulting project

FROM MARCH TO AUGUST

- Internship: 4-month minimum paid contract followed by a thesis and defense

WHAT WILL YOU LEARN?

The objectives of the Sustainable Impact Analysis MSc is to provide students with multidisciplinary knowledge to improve their analytical skills within any cost-benefit analysis.

The curriculum is a mixture of theory and practice and enabling students to have a clear understanding of the implications of investment decisions.

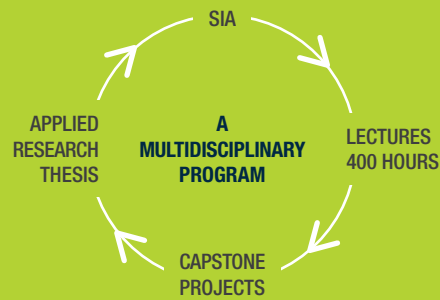
FIELD COURSES:

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

SKILLS

- Evaluation analysis
- Investment strategies and infrastructure projects management
- Computational and statistical methods

YOUR PROGRAM



CORE

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

CAPSTONE PROJECTS

The Capstone project consists of fulfilling a consulting mandate given by a company or any organization interested in taking advantage of the training provided by our program in sustainable impact analysis 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.





CREDITS (ECTS*)

90 ECTS

REQUIRED LEVEL OF STUDY

Undergraduate degree: The MSc SIA is open to candidates holding a 4-year bachelor's degree (equivalent to a M1 in France) in Engineering, Economics (with high quantitative skills), Maths or Statistics

SECTORS OF ACTIVITY / OPENINGS

- 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, city institutions and administration

PROFESSIONAL EXPERIENCE

Not required. Students have on average 2 years of professional experience when joining the program.

AVERAGE STUDENT AGE

25 YEARS OLD





91%

employment within 6
months of graduation



50%



50%



90%

are international
students of

11

different nationalities
from 5 continents:
South America
Asia
Europe
North Africa
Oceania



**OUR CANDIDATES'
PREVIOUS EXPERTISE:**



Economics

55%



Engineer degree

27%



Business and Management

18%

UP TO 8 YEARS OF EXPERIENCE

YOU ARE INTERESTED
IN PARTNERING WITH
THE MASTER OF SCIENCE
SIA?



PLEASE CONTACT:

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JOIN OUR CAPSTONE PARTNERS

SUSTAINABLE IMPACT ANALYSIS promotes dialogue between academic research and new professional practices in consultancy firms, companies in real estate, banks, and insurance, pharmaceutical, energy and construction, regulatory authorities, the public administration (Ministry of Ecology, Ministry of Transport).



TIER



**Autorité
DE RÉGULATION
DES TRANSPORTS**



WORLD BANK GROUP

**hospital
innovation
economics**



ADMISSION PROCEDURE

APPLY ONLINE

www.pse-application.eu

RECRUITMENT PROCEDURE

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 invited to 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.

PROGRAM FEE

Cost:

- €15,000 (net of VAT)

Current course fees not liable to VAT.

THE BEGINNING OF ACADEMIC YEAR

Start Date: September

Coursework takes place from:

September to August

CAMPUS LOCATION

The course will be taught at:

Paris School of Economics

Jourdan Campus,
48 Boulevard Jourdan
75014 Paris – France

École des Ponts ParisTech

Cité Descartes - Champs-sur-Marne
6 et 8 avenue Blaise Pascal
77455 Marne-la-Vallée – France



EPICEUM - Photos: Stefano Borghi / Shutterstock - Non-binding document

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