

EDCBA

Economic Decision and Cost Benefit Analysis

Energy and ecological transition

Healthcare in aging societies

Smart cities

Digital transformation



Partners



Location: Paris School of Economics
Jourdan Campus, 48 Bd Jourdan
75014 Paris – France

Contact: master-edcba@psemail.eu

The MSc EDCBA 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 18-months program that will provide you with outstanding training in the tools of economic evaluation. It combines a rigorous academic core with tailored practical applications to various sectors.

The MSc EDCBA is designed for technically-minded graduates who want a deep, analytical study of 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.



- **Applications**
From November 2017 to July 10, 2018
- **Interviews**
Between April 2018 and July 2018
Face to face or via video conference
- **Acceptance**
Announced straight away
- **MSc duration**
From September 2018 to March 2020

PROGRAM SYLLABUS

1st and 2nd semester

■ 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 and Globalization
- Project Finance and Corporate Finance
- Project Management Practices
- Risk & Uncertainty
- Structured Finance

FIELD

Energy and ecological transition

- Environment 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

72 hours taught by staff and guest lecturers with extensive experience in industry, offering a unique opportunity to learn from experts. It allows you to approach the real life of companies. The capstone projects mainly consist in 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 any type of investment project.

3rd semester

■ Internship

6-month internship program
(internship and internship thesis)

LOCATION

The MSc EDCBA will take place at PSE 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 places amphitheater, a library with more than 50000 books, a student home...



SKILLS ACQUIRED

Upon graduating from the MSc EDCBA program, you will have solid knowledge of the central concepts, theories, and research methods of economic evaluation as well as applied skills. In particular, you 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 EDCBA will attract **several leading companies, agencies, public institutions** to deliver presentations. This provides interactions and expose our students to their potential employers.

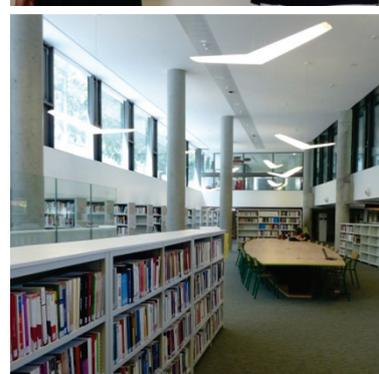
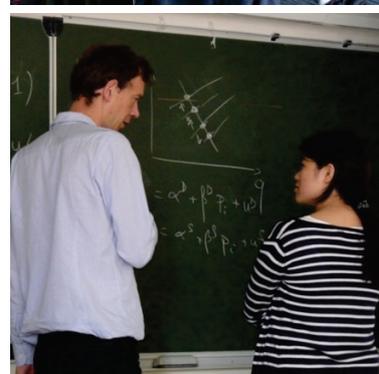
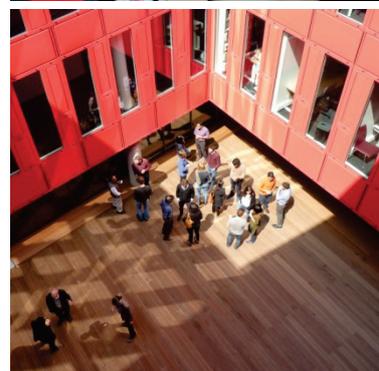
The skills acquired will enable participants to **work in Europe and abroad** in:

- 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



Economic evaluation and cost-benefit analysis require both analytical skills and knowledge on practical implementation. This new Master programme carried by two institutions of academic excellence will train the needed experts while helping them to diffuse among public and private actors the economic evaluation's culture and know-how.

Roger Guesnerie, Professor of Economics
Collège de France - PSE



APPLICATION STEPS AND REQUIREMENTS



The MSc EDCBA 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, in any case by July 10, 2018.

FOUR 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. **By July 10, 2018**, submit your application. See the list of the required documents (pdf).
2. Your application will be evaluated **within one week**, based on availability of spots.
3. Preselected applicants will have an **interview straight away** (face to face or via video conference). The objective is to measure the pertinence of the program with your own educational qualifications and professional plans.
4. **Acceptance will be announced very quickly** then, and we'll get back to you in order for you to finalize the process.

REQUIREMENTS

- **Undergraduate degree:** The master EDCBA 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:** We recommend that the quantitative scores are in the 90th percentile, the verbal scores are in the 80th percentile and the analytical writing score is at least 5. Official online scores must be accessible by our admissions department and not older than 5 years.
- **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 programme, 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
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75014 Paris - France

Starting date of the Master: **September 3, 2018**

Applications: from November 2017 to June 2018

Interviews: from April to June 2018

Admissions: announced right after the interviews

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

Tuition Fees: €15,000

Contact: master-edcba@psemail.eu

