



ÉCOLE POLYTECHNIQUE

Graduate Degree Program

Metro Economics for Smart Cities

**BUILDING AND CONNECTING THE CITIES OF
TOMORROW**

In an increasingly global economy, metropolitan areas are basic components of economic competition and growth. Capital, labor pools, knowledge, infrastructures and their distribution within and across geographical space play a major role in the economic development and prosperity of metropolitan areas.

They tend to be the main generators of economic prosperity and a breeding ground for innovative tech companies. Through tactical urbanism plans and development strategies, perpetually booming metropolitan areas are seeking to become smart and sustainable places. They are looking for efficient ways to optimize their full potential and successfully transition into «cities of the future». The Metro Economics for Smart Cities Graduate Degree provides an in-depth understanding of new and transforming metropolitan areas and their competitive environments.

Following the École Polytechnique's tradition of excellence in the applied sciences, the Metro Economics for Smart Cities Graduate

Degree is designed for students with a strong mathematical background and an interest in economics. The program involves applying advanced quantitative methods to the study of new and transforming metropolitan areas and their challenges.



METRO ECONOMICS FOR SMART CITIES



The Metro Economics for Smart Cities program provides an in-depth understanding of new and transforming metropolitan areas and their competitive environments. Over the course of two years, the building up of students' toolbox is put to use through up to nine months of industrial internships.

For those who wish to obtain a rigorous, in-depth knowledge of metroeconomics challenges and are looking to use their technical skills in strategy and leadership-oriented roles, this degree will provide the know-how to navigate the trends shaping the 21st metropolitan economies.

Teaching is resolutely professional-oriented, relying on a combination of methodological teachings and real-world case studies to uncover the hidden trends guiding the evolution of metropolitan areas. Courses include high-level scientific master classes taught by faculty from École Polytechnique and our partner school Ecole des Ponts ParisTech.

The Metro Economics program emphasizes hands-on, experimental learning by inviting you into with the worlds of research and industry, notably through four to six-month internships. The professional orientation of the program is strengthened by the strong and mutual links with industrial and institutional partners from various and relevant fields: real estate, finance, energy, international organizations and ministries.

Find out more about program structure, course syllabus, faculty, career outcomes and financial aid here:

portail.polytechnique.edu/graduatedegree/metroeconomics



ABOUT THE GRADUATE DEGREE

École Polytechnique's full-time English graduate degree programs are industry-oriented and combine state-of-the-art multidisciplinary education and in-depth scientific knowledge. They emphasize practical skills, work experience, and personal development. These two-year programs are designed for highly-qualified undergraduates with a strong background in Science and/or Engineering. Requiring 140 ECTS credits, each degree program results in an internationally recognized academic qualification.

ABOUT ÉCOLE POLYTECHNIQUE

École Polytechnique upholds a tradition of excellence in multidisciplinary education covering the applied sciences, humanities, languages and sports. A foremost science and technology university worldwide, it remains a human-sized institution with a 5:1 student-teacher ratio. Our students receive tailored advice from faculty members for their personal development, career plans and future prospects.

Our campus is part of the Université Paris-Saclay scientific and economic cluster, where global business heavyweights who contend with disruption meet the research driving technological innovation. This combination results in a uniquely professional training, accounting for École Polytechnique's ranking among the world's 10 most attractive schools for employers, according to the QS Graduate Employability Rankings 2016.

APPLICATION REQUIREMENTS AND DEADLINE

Applicants must hold or expect to hold an undergraduate degree in Economics, Mathematics, Civil Engineering and/or Transportation Studies prior to the beginning of the program. In order to submit an application, applicants must also supply the following:

- Copies of degrees and transcripts of all previous higher education
- 2 academic references, at least 1 from your current institution
- Personal statement & CV or resume
- A minimum IELTS score of 6.5 or a TOEFL iBT score of 90 (please consult our website for information about exemptions)
- GRE scores are not required but will be considered if provided.

No paper copies are needed for the admission process.

Applications are reviewed in rounds, 3 times a year. Applying early improves your chances. The application deadlines for the Fall 2017 semester are:

JANUARY 15, 2017

MARCH 15, 2017

MAY 1, 2017

Decisions will be released 4 to 5 weeks after each application deadline.

For more information, visit our website portail.polytechnique.edu/graduatedegree or contact our admissions team at gdadmissions@polytechnique.fr