

Application Requirements - Université Paris Dauphine

Computer Science and Mathematics for Decision-making and Organization / MIDO

Computer Science:

- Master 1 in Decision-Support IT and Mathematics (I2D)
- Master 2 in Modeling, Optimization, Decision and Organization (MODO)
- Master 2 in Artificial Intelligence, Systems, Data (IASD) - Computer Science Track

Mathematics :

- Master 1 Mathématiques et Applications - parcours Mathématiques approfondies
- Master 2 Mathématiques de l'Assurance, de l'Economie et de la Finance (MASEF)
- Master 2 in Artificial Intelligence, Systems, Data - Mathematics Track
- Master 2 in Applied and Theoretical Mathematics (MATH)

Eligibility Requirements for M2 Applications:

Applicants must hold a four-year Bachelor's degree (240 ECTS credits), or an equivalent degree from a university or another higher education institution in the field of mathematics and applied mathematics.

Required Documents for M1 & M2 Applications:

- (i) High school transcripts
- (ii) Undergraduate transcripts
- (iii) Copies of all completed degrees
- (iv) Cover Letter / Letter of motivation
- (v) Detailed syllabi of all relevant prior coursework, demonstrating level of knowledge in key subjects of the Master's program

Additional document for M2 applications:

First-year Master's transcript (if applicable)

Organization Science / MSO

- Master 1 Quantitative Economics

Required Documents:

- (i) High school transcripts
- (ii) Undergraduate transcripts
- (iii) Proof of English proficiency: TOEFL iBT (90 or 4.5), IELTS (6.5), or Cambridge C1 + GRE scores (minimum 160 in both Verbal and Quantitative). Tests results must be less than three years old. Native English speakers don't need to provide any English test.
- (iv) Cover letter in English (required)

(v) Written work in English (required)

The work must be written in English, in Times New Roman characters, 12 points.

Written Work in English (Times New Roman characters, 12 points) (REQUIRED):

1. Course Description:

For ongoing or the most recent year of studies: For two of the courses, provide a concise description, identify two or three components you consider of primary importance for your training and your application to the master's program, and specify the names of the instructors and the textbook-reading list (1 page max).

For previous years of studies: A brief description of the relevant courses (between 2-4 courses) (10 lines max. per course)

- 2. The Master in Quantitative Economics offers one track during the second year: Quantitative Economic Analysis.** Are you already specifically interested in this track? Please explain your answer (15 lines max).
- 3.** During the first year of the Master's program, students must choose a specific course block (Data or Economics) for the second semester. Do you already know which track you would like to choose? Please explain your answer. (10 lines max)
- 4.** What are your professional plans after the MSc program, and how do you think the program will help you achieve this goal? (15 lines max).
- 5.** To complement your motivation letter, provide any other information you think would help the jury assess your application (10 lines max).

Optional:

- (i) Master's thesis/dissertation - if applicable, optional
- (ii) Letters of recommendation - optional, max 2

- **Master 2 Quantitative Economics Analysis**

Eligibility requirements:

Applicants to the M2 Quantitative Economic Analysis must either have successfully completed the first year of a Master's degree OR hold a Bachelor's degree with a major or substantial coursework in Economics, Applied Mathematics for Economics/Social Sciences, or Computer Science applied to Economics/Social Sciences. A strong academic background in one of these fields is essential for direct admission to M2.

Required Documents for Applications:

- (i) High school transcripts
- (ii) Undergraduate transcripts
- (iii) Transcript of the first year of master's studies (if applicable)
- (iv) Proof of English proficiency: TOEFL iBT (90 or 4.5), IELTS (6.5), or Cambridge C1 + GRE scores (minimum 160 in both Verbal and Quantitative). Tests results must be less than three years old. Native English speakers don't need to provide any English test.
- (v) Cover letter in English
- (vi) Written work in English

Written Work in English (Times New Roman characters, 12 points) (REQUIRED):

1. For ongoing or the most recent year of studies: For two of the courses, provide a concise description, identify two or three components you consider of primary importance for your training and your application to the master's program, and specify the names of the instructors and the textbook-reading list (1 page max.)
2. For previous years of studies: A brief description of the relevant courses (between 2 and 4 courses) (10 lines max. per course).
3. Please respond to the following questions:
 - a. The Quantitative Economic Analysis M2 track offers three fields of specialization: Theory ; Social and Public Policy; Macroeconomics, and Finance. Do you already know which specialization you intend to pursue? Please explain your answer. (15 lines max)
 - b. Are you interested in an exchange opportunity with the Universidad Autonoma de Madrid? *Please note that Lafayette Fellows are required to spend their full year of study in Paris in order to participate in the Fellowship's Leadership Program.*
 - c. What are your professional plans after the MSc program, and how do you think the program will help you achieve this goal? (20 lines max).
4. To complement your motivation letter, please provide any other information you think would help the jury assess your application (10 lines max).

Optional:

- (iii) Master's thesis/dissertation - optional
- (iv) Letters of recommendation - optional, max 2

- Master 2 International Business

Eligibility requirements:

Applicants to the M2 International Business must :

- (i) Hold a four-year Bachelor's degree (240 ECTS credits) from a recognized higher education institution.
- (ii) Have at least one year of professional experience relevant to business.

Required Documents for Applications:

- (i) Cover letter/letter of motivation in English
- (ii) Transcripts (undergraduate, first year of master's studies if applicable)
- (iii) Proof of language proficiency in English, for non-English native speakers (IELTS 6.5 or TOEFL 92)

Written Work in English (Times New Roman characters, 12 points) (REQUIRED):

Please provide a brief written responses for the following questions:

1. Describe your strengths and weaknesses. (5 words for each)
2. Describe an achievement you are particularly proud of and explain why. (100 words)
3. Describe an experience that has fundamentally changed the way you see the world. How did this transform you? (400 words)
4. What matters most to you and why? (400 words)
5. What else would you like us to know as we consider your application?