

(Rector's Decree no. 14933/2024 of 24 December 2024)  
--- Translation for information purposes only ---

## **CALL FOR APPLICATIONS to the Erasmus Mundus Joint Master programme**

### ***MATHS-DISC: Mathematical Modelling, Simulation and Data Science for Industrial and Societal Challenges***

#### **1. Introduction**

The application for the admission to the Erasmus Mundus Joint Master programme ***MATHS-DISC: Mathematical Modelling, Simulation and Data Science for Industrial and Societal Challenges***, funded by the European Union, 2025-26 cohort is open.

#### **2. Admission requirements**

MATHS-DISC is open to students who have already obtained a first university degree with an equivalent of at least 180 ECTS credits (in the European system or equivalent) after at least three years of study at Bachelor of Science (BSc) level in Mathematics or in related fields (Physics, Engineering, Computer Science, Economics, Statistics) with a strong mathematical background.

Recommended **prerequisites** are: Basic knowledge of Calculus (18 ECTS), Linear Algebra (6 ECTS), Numerical Analysis (6 ECTS), Programming skills (6 ECTS), Statistics (6 ECTS).

The **BSc degree** must be obtained **before 31 July** for non-EU students and before **31 October** for EU students.

#### **3. Application modalities**

Applications are done online through the website [www.mathsdisc.eu](http://www.mathsdisc.eu)

MATHS-DISC applicants must provide the following documents and information:

- national ID/Passport;
- official academic transcript of records and degrees obtained at the time of the application (level 6 ISCED mandatory) with official certified english translations in case of non EU candidates;
- proof of English Proficiency;
- CV in Europass format;

- motivation letter;
- choice of type of Scholarship (EMJM, NDICI targeted regions, Consortium funded scholarships);

The applicants must be **fluent in English**, both written and spoken. An applicant whose native language is not English is required to pass a recognised international English test:

- TOEFL: CBT 220, ITP 550, IBT 80;
- Cambridge B2 First Test: 173 or higher;
- Cambridge C1 Advanced Test: 160 or higher;
- IELTS: 6.5 or higher;
- TOEIC: 800.

**No other test is eligible.** The results provided must not be older than 3 years at the time of the application. Applicants who carried out their studies in English (official confirmation letter from their university is needed) are eligible **without providing** such a test result.

**Incomplete applications will not be considered for selection.**

#### 4. Application deadlines

Deadline for the first call for applications round is **March 15, 2025 at 12:00 (GMT+1)**. In the event that the grants are not all awarded, the selection procedure will be reopened on a date to be confirmed.

#### 5. Selection procedure

The selection procedure takes place in March for the first round application, in July for the second round and in September for the third application round. The Selection Committee (SC) divides the admitted applicants into a **main list and a reserve list**. Applicants on the main list are eligible for the corresponding scholarships funded by EMJM, NDICI, or by other funding resources provided by the MATHS-DISC Consortium.

According to the Erasmus Mundus 2024 call, no more than 10% of applicants of the same nationality can be selected for EMJM scholarships (this limit does not apply to NDICI and other scholarships). Applicants in the reserve list can be admitted to the degree programme as self-funded students.

To **ensure gender balance**, the Selection Committee takes measures to allow that **at least 30%** of the selected applicants on the main list are of each gender.

If applicants are removed from the main list (in case of non acceptance of the scholarship), the best placed applicants on the reserve list, taking into account gender balance and type of scholarship, will be added to the main list and notified immediately.

The ranking takes into account the student's academic performance, the relevance of their B.Sc. subject area to the MATHS-DISC curriculum, the quality of the home institution, the

English language level, the letter of motivation and other aspects of the CV (work experience, professional qualifications, languages, etc.). Applicants whose applications have been rejected have the right to appeal.

### Evaluation criteria for student selection

Evaluation criteria	Max Score
Academic performance at the Bachelor level (CPGA equal to 75/100 minimum)	35
Relevance of B.Sc study to MATHS-DISC	25
Quality of Institution that delivered the degree	10
Other CV aspects (work experience, professional qualifications, languages)	10
English level	10
Motivation letter	10
<b>Total</b>	<b>100</b>

Applicants who achieve an overall score of at least **70/100 will be admitted for an interview** with the SC. Applicants will be interviewed about their knowledge of their mathematical background and their motivation to enrol in the MATHS-DISC programme. The score for the interview ranges from 0 to 30.

Only students who achieve an **interview score of at least 20** will be included in the main or reserve list for the EMJM, NDICI and other possible scholarships financed through the mobilisation of complementary funds.

The second and third call for applications rounds, mainly for EU students or Visa exempted students, follow the same evaluation rules as above.

Only **applicants passing the two selection stages scoring at least 90 points (70 + 20) are admitted to the programme**, as scholarships holders or as self-funded students.

### 6. Results notification

The results of the selection will be notified to the candidates by the Selection Committee before April 30th 2025 for the first call for applications round. The minutes of the selection will be immediately enforceable.

### 7. Scholarship acceptance and student agreement



Applicants in the main list must confirm acceptance of the scholarship within seven days from Selection Committee notification, by signing a student agreement. In case of non acceptance the applicant is removed from the main list.

## **8. Privacy and data protection**

Personal applicants' data are treated by the University of Verona according to EU Ruling 2016/679. More information at [www.univr.it/en/privacy](http://www.univr.it/en/privacy).

## **9. Contact information**

Information requests regarding application deadlines, selection participation, ranking or MATHS-DISC requests can be addressed to [secretary-maths-disc@ateneo.univr.it](mailto:secretary-maths-disc@ateneo.univr.it)

### **MATHS-DISC Consortium**

Contacts: [info-maths-disc@ateneo.univr.it](mailto:info-maths-disc@ateneo.univr.it)      [secretary-maths-disc@ateneo.univr.it](mailto:secretary-maths-disc@ateneo.univr.it)