

NOTICE GPC-M/IMECC, No. 02/2024

SELECTION PROCESS

MASTER'S AND DOCTORAL COURSES IN MATHEMATICS

INSTITUTE OF MATHEMATICS, STATISTICS AND SCIENTIFIC COMPUTATION

First Semester of 2025

The Coordination of the Graduate Program in Mathematics (GPC-M) at the Institute of Mathematics, Statistics, and Scientific Computation of the University of Campinas, in the exercise of its legal attributions, makes public and regulates the selection process to admit Masters and Ph.D. students in Mathematics.

The Portuguese version of this notice was approved by the Graduate Program Committee in Mathematics on 05 September 2024 and, subsequently, by the Graduate Committee of IMECC on 09 September 2024.

1. DEADLINES AND REQUIREMENTS FOR APPLICATION

1.1. Applications for the Master's and Doctoral courses in Mathematics for admission in the first semester of 2025 will be open from **16/09/2024 to 08/11/2024**.

1.2. Holders of an undergraduate degree in mathematics or related fields may apply for the Master's program.

1.2.1. Students completing undergraduate courses who can prove the real possibility of completing their undergraduate degree by the date of enrollment for the first semester of 2025 may also apply for the Master's program. Students in this situation must provide the necessary documents.

1.2.1.1. The following documents will be accepted:

a) Declaration/School Transcript, issued by the Educational Institution, stating the conclusion of the course and/or issuing the undergraduate certificate.

1.3. Holders of a Master's degree in mathematics or related fields may apply for the Doctoral program.

1.3.1. Master's students who have not yet defended their dissertation may apply, provided they present a declaration from their advisor, approved by the program coordinator (see model declaration in Annex I of this notice), indicating the expected date of their Master's dissertation defense. This date must not be later than one month after the start of the respective semester.

1.3.2. Master's students accepted for the Doctoral program must defend their dissertations by **March 2025**. To qualify for a scholarship, these students must defend their dissertations up to **07 March 2025**.

1.3.3. In exceptional cases, the GPC-M may accept candidates for the Doctoral program in Mathematics with only an undergraduate degree, without a Master's degree. Before applying, the candidate must send a copy of their academic transcript and undergraduate diploma (or graduation completion certificate, if the diploma has not yet been issued) to the email of the Coordination Office (coordpgmt@ime.unicamp.br) for evaluation.

2. APPLICATION PROCEDURE

2.1. Applicants for the Master's and Doctoral courses in Mathematics must complete the application form available online at the university academic board (DAC) website (<http://www.dac.unicamp.br>), through the academic management system SIGA. The system is available at https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml?code=1497038006922.

The application form must be fully completed so that the application status appears as "COMPLETA." Incomplete applications or those submitted after the deadline will be automatically disregarded.

Note: The document submission status will remain as "PENDENTE" because the documents must be uploaded using the link provided in item 2.2.

2.1.1. Instructions for filling out the Application Form are available at <https://www.ime.unicamp.br/administracao/areas/posgrad/procedimento/instrucoes-inscricoes-programas-pos-graduacao-no-sistema>.

2.2. After completing the application form in the SIGA system, as mentioned in item 2.1, applicants for the Master's or Doctoral programs must upload the following documents in PDF format at <http://www.ime.unicamp.br/posgrad/inscricao>, each file having a maximum size of 3 MB:

2.2.1. Application form.

2.2.2. Complete undergraduate transcript. Applicants for the Doctoral program must also submit their Master's transcript unless they have not completed or are not enrolled in a Master's program.

2.2.3. Copies (authentication not required) of diplomas or certificates of completion (or expected completion) of university degrees (undergraduate and/or Master's, as applicable).

2.2.4. Updated curriculum. Students from Brazilian undergraduate and/or Master's programs must submit their updated Lattes CV. Foreign students should provide a

detailed CV in Portuguese, English, or Spanish. CVs in other languages will not be considered. Activities listed in the CV that are not documented in academic records and may be used in the selection process (items 3.4.4, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.5.3, 3.5.4, and 3.5.5 below) must be supported with appropriate documentation.

2.3. Applicants for the Master's and Doctoral programs must provide a minimum of two and three reference letters, respectively. The letters must be written by professors, researchers, or other professionals and sent directly by them. Applicants must add the email addresses of their referees at the time of their application via the link www.ime.unicamp.br/posgrad/inscricao/ and confirm the sending of an invitation email to the referees so that they can fill out the online reference letter. Doctoral applicants must provide a reference letter from their Master's advisor, except in cases where the applicant has not completed or is not enrolled in a Master's program. Letters submitted by applicants themselves will be disregarded.

3. SELECTION PROCESS

3.1. For the Master's and Doctoral courses in Mathematics, **35** and **40** vacancies will be offered for admission in the first semester of **2025**, respectively. It is not mandatory to fill all vacancies, and the number of students admitted will depend on the qualified demand.

3.2. The selection of candidates for the Master's and Doctoral programs in Mathematics will be carried out by the Graduate Program Committee in Mathematics through an analysis of the documents submitted by the candidate and the reference letters.

3.3. Candidates will be selected solely based on their academic merits, and the selection will consist of

3.3.1. Evaluation of the candidate's academic transcripts (50%);

3.3.2. Evaluation of the candidate's curriculum vitae (30%);

3.3.3. Evaluation of the reference letters (20%).

3.4. In the evaluation of items 3.3.1, 3.3.2, and 3.3.3, the following elements will be considered for Master's candidates:

3.4.1. The quantity, quality, and difficulty of the courses taken during the candidate's undergraduate studies, as well as the grades obtained;

3.4.2. The time taken to complete the undergraduate course;

3.4.3. The institution where the candidate studied (or is studying): whether it is recommended by CAPES and with what rating; in the case of foreign candidates: the level of academic recognition of their home university;

3.4.4. Courses already taken at the Master's level;

3.4.5. The number of failures in courses;

3.4.6. Performance in summer courses at recognized institutions, especially in subjects offered in the Summer Program in Mathematics at IMECC-Unicamp, such as Linear Algebra, Analysis in \mathbf{R}^n , or Introduction to Analysis in \mathbf{R}^n . Other regular courses may also be considered at the discretion of the GPC-M;

3.4.7. Evidence that demonstrates the candidate's ability to conduct research in mathematics within the program's faculty areas of expertise;

3.4.8. Participation in scientific initiation programs with scholarships from funding agencies;

3.4.9. Winning medals in national or international mathematics olympiads;

3.4.10. The quality and depth of the reference letters and whether they were written by qualified experts with solid academic production in mathematics or related fields.

3.5. For Doctoral candidates, in addition to items 3.4.1 to 3.4.10, the following elements will also be considered in the evaluation of items 3.3.1, 3.3.2, and 3.3.3:

3.5.1. The quantity, quality, and difficulty of the courses taken during the candidate's Master's program, as well as the grades obtained;

3.5.2. The time taken to complete the Master's degree;

3.5.3. Courses already taken at the Doctoral level;

3.5.4. Participation in scientific events with presentations of work in the field of mathematics;

3.5.5. Pre-publications, research papers submitted, accepted, and/or published in the field of mathematics.

4. CLASSIFICATION AND RESULTS ANNOUNCEMENT

4.1. After the evaluation and weighting of items 3.3.1, 3.3.2, and 3.3.3, each candidate will receive a score N , ranging from 0 (zero) to 100 (one hundred), calculated by the formula:

$$N = (5 \cdot N_1 + 3 \cdot N_2 + 2 \cdot N_3) / 10,$$

where N_1 , N_2 , and N_3 represent the scores for items 3.3.1, 3.3.2, and 3.3.3, respectively.

4.2. Candidates will be classified and assigned to one of the following categories:

- a) Accepted;
- b) Accepted conditionally based on performance in the summer course (Master's only);
- c) Accepted without a scholarship (not competing for program scholarships);
- d) Not accepted.

4.2.1. There will be no minimum score for classifying candidates into the categories listed in item 4.2. The classification will depend on the qualified demand, respecting the number of vacancies available, and will be determined by the GPC-M.

4.2.2. Candidates classified in group 4.2.a) will be ranked in order of priority, according to their N score, for obtaining a scholarship from the program's available scholarships.

4.2.3. In the case of a draw, priority is given to the candidate with the best grade in item 3.3.1. If the draw persists, then priority is given to the candidate with the best grade in item 3.3.2. If the draw persists, have priority will be given to the older candidate.

4.2.4. Master's candidates accepted into the program after the summer course will be ranked in order of priority based on their summer course score, after those in group 4.2.a).

4.3. Candidates who were previously dismissed from the program due to poor performance or failure in courses and/or the Qualification Exam will not be eligible for program scholarships.

4.4. The GPC-M will prepare a list with the candidates' classification according to their score in the selection process. This list will be published by **06/12/2024** on the graduate studies page of IMECC at <http://www.ime.unicamp.br/pos-graduacao/matematica/admissao>. Additionally, each candidate will receive a notification of the results via the email address registered in the SIGA system.

4.5. The ranking list for awarding scholarships will be valid during the first academic semester of **2025**. Subsequently, the allocation of scholarships to regularly enrolled students without a scholarship will be based on their academic performance in the program.

5. APPEALS

5.1. Requests for reconsideration and appeals will only be accepted if filed and submitted within **3 (three)** working days from the date of the results announcement and must be presented in writing to the Graduate Office of IMECC-Unicamp, referencing this notice and selection process, and clearly stating the reasons for reconsideration of the result.

5.2. The results of appeals will be published within **15 (fifteen)** calendar days from the date of the appeal submission on the graduate studies page of IMECC at <http://www.ime.unicamp.br/pos-graduacao/matematica/admissao>.

6. FINAL PROVISIONS

6.1. By registering for the selection process, the candidate formally declares that they agree with the conditions of this notice.

6.2. Omitted cases will be presented by the GPC-M to the Graduate Committee of IMECC.

Campinas, 09 September 2024.

Graduate Program Committee in Mathematics

Institute of Mathematics, Statistics, and Scientific Computation

University of Campinas

Graduate Office

Rua Sérgio Buarque de Holanda, 651

Cidade Universitária "Zeferino Vaz", Campinas, SP, Brazil

CEP 13083-859

Email: posgrad@ime.unicamp.br

<http://www.ime.unicamp.br/pos-graduacao/matematica/admissao>

ANNEX I – Model Declaration on the Probable Defense of the Master's Degree

Declaration

I hereby declare that (STUDENT NAME) is my Master's student and has completed all credits/requirements, except for the defense of the dissertation, to obtain the title of Master in [field] from the Graduate Program in [field] at the [Institute] of the [University].

The Master's dissertation defense of the aforementioned student is scheduled for [day/month/year].

(Location), [day] of [month] [year].

Prof. Dr. [ADVISOR'S NAME]

Advisor