

ANNOUNCEMENT - GPC-M/IMECC No. 02/2023

SELECTION PROCESS MASTER AND Ph.D. PROGRAM IN MATHEMATICS INSTITUTE OF MATHEMATICS, STATISTICS AND SCIENTIFIC COMPUTING First semester of 2024

The Coordination of the Graduate Program Committee in Mathematics (GPC-M) of The Institute of Mathematics, Statistics and Scientific Computing (IMECC), University of Campinas (UNICAMP), in the use of its legal attributions, officially announces the beginning of the selection process to admit Masters and Ph.D. students in Mathematics.

The Portuguese version of this announcement was approved by the GPC-M on August 24, 2023, and was subsequently approved by the IMECC Graduate Committee on September 01, 2023.

1. DEADLINES AND APPLICATION REQUIREMENTS

1.1. Applications for Masters and Ph.D. courses in Mathematics for admission in the first semester of 2024 will be considered during the period from September 11 to November 03, 2023.

1.2. Applications for the Master program are open to candidates who have concluded their undergraduate course in mathematics or related fields.

1.2.1. Undergraduate students about to conclude their programs may apply, as long as they will be able to produce the undergraduate diploma certificate by the time of enrollment for beginning students in the first semester of 2024. Students in this situation must provide the corresponding documentation.

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. Applications for the Ph.D. program are open to candidates who possess a Master's degree in mathematics or related fields.

1.3.1. Candidates about to obtain their Master's degree may apply, as long as they provide a declaration from their supervisor and approved by the coordinator of the program (**see model declaration in Annex I of this Announcement**), specifying the probable date for the defense of their Master Dissertation. The probable date cannot be later than one month from the start date of the semester.

1.3.2. According to item 1.3.1, Master's students, accepted for the Ph.D. program, should defend their dissertations by March 2024. In addition, to implement the scholarship, those students who will receive scholarships from the program must defend their dissertations up to March 08, 2024.

1.3.3. In exceptional cases, the GPC-M may accept candidates for the Ph.D. program in Mathematics who only have the undergraduate certificate, even without a master's degree. Before enrolling in this modality, the candidate must send a copy of the School Transcript and the undergraduate certificate (if the undergraduate certificate has not yet been issued, present the certificate of conclusion of the course) to the Coordination's email (coordpgmat@ime.unicamp.br).

2. APPLICATION

2.1. All the candidates must fill in the application form, available online at the university academic board (*Diretoria Acadêmica* – DAC, www.dac.unicamp.br, through the academic management system SIGA (*Sistema de Gestão Acadêmica*).

This system is available at

https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml?code=1497038006922.

The application form should be completely filled in (the **registration situation** needs to stick with the status "COMPLETA"). Incomplete and/or late applications will be automatically disregarded.

Note: the **delivery status of the documents** will remain with the status "PENDENTE" given the fact that the documents must be sent by using the link indicated in item 2.2.

2.1.1. Instructions for filling the Registration Form, access the link:

<https://www.ime.unicamp.br/administracao/areas/posgrad/procedimento/instrucoes-inscricoes-programas-pos-graduacao-no-sistema>

2.2 Candidates for the Master's and Ph.D. degree must upload the documents listed in the items below through the link www.ime.unicamp.br/posgrad/inscricao. The documents should be sent exclusively in pdf format, and each document in a single file with a maximum size of 3 MB.

2.2.1. Application form.

2.2.2. Official transcript of the undergraduate records. The Ph.D. candidates must also provide the official transcript of the Master records, except in cases where the candidate has not attended or is not attending a Master's program.

2.2.3. Certificate of university degrees (undergraduate and/or graduate) or an official declaration specifying the probable date of degree conferral.

2.2.4. Updated *curriculum vitae* (CV). Students coming from undergraduate or Master's programs in Brazil should send their updated Curriculum Lattes. Foreign students must provide a detailed CV in Portuguese, Spanish or English. CV's in other languages will not be considered. The activity described in the CV that does not appear in official transcript records and can be used in the selection (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 proven with an appropriate document.

2.3. Candidates for the Master and Ph.D. programs must provide at least two and three recommendation letters respectively. These letters should be written by professors, researchers or other professionals, and sent directly by them. To do so, candidates must specify the e-mail addresses of the referees at the time of their registration through the link www.ime.unicamp.br/posgrad/inscricao/ and click to confirm sending an email invitation to the referees through the system, allowing them to fill out the letter of recommendation directly online. For Ph.D. candidates, one letter should be sent by their Master supervisor, except in cases where the candidate has not attended or is not attending a Master's program. Letters sent by the candidates themselves will be disregarded.

3. SELECTION

3.1. There will be 30 positions for the Master program and 35 positions for the Ph.D. program for admission in the first semester of 2024. Positions will cover all areas of the Mathematics program, and there is no need to fill all of them. The filling of positions will depend on the qualified demand.

3.2. The candidates for the Master and Ph.D. programs in Mathematics will be selected by the GPC-M, through the analysis of the documentation sent by the candidate and of the recommendation letters.

3.3. The candidates will be selected exclusively by their academic merits and the selection process will be

based on the following:

3.3.1. Analysis of official transcript records **(50%)**;

3.3.2. Analysis of *curriculum vitae* (CV) **(30%)**;

3.3.3. Analysis of the recommendation letters **(20%)**.

3.4. For Master's candidates, in the analysis of items 3.3.1, 3.3.2 and 3.3.3, the following points will be considered:

3.4.1. The quantity, quality and level of difficulty of the subjects studied in the undergraduate programs by the candidate, as well as the grades obtained;

3.4.2. Time taken to complete the Graduation;

3.4.3. The institution where the candidate studies (or studied): if it is recommended by CAPES and its ranking; in the case of foreign candidates: the level of academic recognition of the university of origin;

3.4.4. Courses already taken at Master's level;

3.4.5. Number of failed courses;

3.4.6. Performance in summer courses in recognized institutions, especially in courses that have already been or are offered in the Summer Program in Mathematics at IMECC-UNICAMP: Linear Algebra, Analysis in \mathbb{R}^n or Introduction to the Analysis in \mathbb{R}^n . Other regular courses may be considered in the analysis at the discretion of GPC-M;

3.4.7. Facts that demonstrate the candidate's ability to develop research in mathematics, along the lines of research of the faculty of the program;

3.4.8. Undergraduate research studies with scholarships;

3.4.9. Medals at the Brazilian Mathematical Olympiad (OBM), or at the Brazilian Mathematical Olympiad of the Public Schools (OBMEP), or at the national mathematics overseas competitions, or at the International Mathematical Olympiad (IMO);

3.4.10. Quality and depth of the recommendation letters and if they were issued by qualified specialists, with good scientific production in mathematics or related fields.

3.5. For the Ph.D. candidates, in the analysis of items 3.3.1, 3.3.2 and 3.3.3, in addition to items 3.4.1 to 3.4.10, the following points will also be considered:

3.5.1. The quantity, quality and level of difficulty of the courses taken in the Master's degree by the candidate, as well as the obtained grades;

3.5.2. Time taken to complete the Master's degree;

3.5.3. Courses already taken at the Ph.D. level;

3.5.4. Attending scientific events with presentation of work in the area of Mathematics;

3.5.5. Preprints, research articles submitted, accepted and/or published, in the area of Mathematics.

4. CLASSIFICATION AND ACCESS TO THE RESULTS

4.1. After the analysis of items 3.3.1, 3.3.2, and 3.3.3, each candidate will receive a grade N, varying from 0 to 100, given by

$$N = \frac{5 N_1 + 3 N_2 + 2 N_3}{10}$$

where N1, N2, and N3 are, respectively, the grades in items 3.3.1, 3.3.2, and 3.3.3.

4.2. The candidates will be classified in one of the following situations:

- a) accepted;
- b) acceptance depending on the performance in the Summer Program (only for Master's candidates);
- c) accepted without scholarship (do not apply for a scholarship from the program);
- c) not accepted;

4.2.1. There will be no minimum grade for classification in the groups of item 4.2. It will depend on the qualified demand and it will be at the discretion of GPC-M.

4.2.2. The candidates in group 4.2. a) will be classified in a priority order, according to their grade N, for the purpose of award a scholarship from the program.

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. The candidates for the Master program, accepted after the Summer Program, will be classified in priority order, according to their grade in the summer course, after the ones in group 4.2. a).

4.3. Candidates who have already been dropped from the program, for performance or failure in courses and/or the Qualifying Exam, will not be able to apply for scholarships.

4.4. The results will be announced by November 30, 2023, at the IMECC graduate page

www.ime.unicamp.br/pos-graduacao/matematica/admissao

Moreover, each candidate will receive a message with the result of the selection process in the registered electronic address on system SIGA.

4.5. The ranking list for awarding scholarships will be valid during the first academic semester of 2024. Subsequently, the eventual award of scholarships to students without scholarships regularly enrolled will be made taking into account the academic performance of the student in the Course.

5. LODGING AN APPEAL

5.1. Formal requests of appeal will only be accepted if submitted within three (3) business days from the date of announcement of the results and must be submitted in writing at the graduate office of IMECC-UNICAMP, indicating the data of this announcement and selection process, and explaining the reasons for requesting to reexamine the result.

5.2. The results of the appeals will be announced within fifteen (15) calendar days from the date of submission, on the IMECC graduate page, at

www.ime.unicamp.br/pos-graduacao/matematica/admissao

6. FINAL DISPOSITIONS

6.1. The application implies that the candidate accepts this announcement without any restriction.

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

Campinas, September 01, 2023.

Graduate Program Committee in Mathematics
Institute of Mathematics, Statistics and Scientific Computing
University of Campinas

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ANNEX I - Model Statement on Probable Master's Defense

Declaration

I declare that (STUDENT'S NAME) is my Master student and has completed all credits/requirements, with the exception of defense Dissertation for obtaining the Master's degree at the Institute _____ of University _____.

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

(DATE),

_____*(SIGNATURE)*_____

Advisor