

**PONTIFICAL CATHOLIC UNIVERSITY OF RIO GRANDE DO SUL
Polytechnic School**

Graduate Program in Materials Engineering and Technology

Regular Call 01/2025

Selection for admission to Master's and Doctoral programs in 2025/01

1. The Coordination of the Graduate Program in Materials Engineering and Technology (PGETEMA), of the Polytechnic School of the Pontifical Catholic University of Rio Grande do Sul (PUCRS), hereby publishes the rules for the 01/2025 Selection Process, for admission in the first academic semester of 2025, at the Master's and Doctorate levels, in accordance with the requirements of the Program's Regulations and the University's Statutes and General Regulations.

2. The Program, concept 6 in the Coordination for the Improvement of Higher Education Personnel (CAPES), has 2 areas of concentration called Materials Engineering & Technology and Materials & Related Processes. The Program has the following lines of research: Biomaterials, Biomechanics and Bioprocesses; Materials and Processes to mitigate and control environmental impacts; Metallic Materials; Nanostructured Materials; Polymeric Materials; Modeling and Simulation Applied to Materials and Processes; Semiconductors and Solar Cells. Information on the areas of concentration, lines of research and accredited professors can be obtained via the following link: <https://portal.pucrs.br/pesquisa/programas-de-pos/engenharia-e-tecnologia-de-materiais/>

3. Eligibility

All holders of undergraduate degrees in Exact Sciences, Engineering or related fields, duly recognized by the Ministry of Education or by the competent body in their country of origin, as well as those who have completed their undergraduate degree, provided that they can prove that they have completed that degree prior to enrolling in the Postgraduate Program, may take part in the Master's Selection Process. Likewise, all holders of Bachelor's and Master's degrees in Exact Sciences, Engineering or related fields, duly recognized and recommended by MEC/CAPES or by the competent body of the country of origin, as well as Master's degree graduates, provided that they can prove the completion of said course, on a date prior to enrollment in the Doctorate, may participate in the Doctorate Selection Process.

4. Places for candidates

This selection aims to fill up to 20 vacancies at Master's level and up to 10 vacancies at Doctorate level. In addition to the 20 (twenty) places offered at Master's level, 1 (one) place will be offered to foreign candidates and 1 (one) place will be offered to self-declared black, brown or indigenous candidates. Likewise, in addition to the 10 (ten) places on offer at Doctorate level, 1 (one) place will be offered to foreign candidates and 1 (one) vacancy will be offered to self-declared black, brown or indigenous candidates. If



there are no candidates who meet the selection requirements, the places allocated to these candidates may be filled by other non-foreign candidates and self-declared black, brown or indigenous candidates.

5. Registration

Registration will take place exclusively on the Internet, via the following link: <https://webapp.pucrs.br/inscricao-stricto/#/login>, from 01/09/2024 to 25/11/2024. After completing the online registration form, the candidate must pay the registration fee of R\$ 100,00.

6. Documents

When registering *online*, the documents specified below must be uploaded:

- 6.1. Lattes/CNPq model CV (<http://lattes.cnpq.br>). If foreign, *Curriculum Vitae*.
- 6.2. Copy of the academic transcript of the Bachelor's and/or Master's degree (the latter only for PhD candidates who already have a Master's degree).
- 6.3. Candidates with disabilities or special educational needs who require specific assistance or adapted material must attach a recent report (maximum 12 months) to the documentation, issued and signed by a specialist accredited by the Regional Medical Council (CRM). The document must specify the nature, type and degree of disability, as well as the conditions recommended for carrying out the assessment activities provided for in this Notice.
- 6.4. Completed online application form available at: <https://webapp.pucrs.br/inscricao-stricto/#/login>.
- 6.5. Candidates must provide two (2) letters of recommendation, according to the appropriate form, to be sent directly by the recommender to the e-mail of the

Program, engenharia.pg.materiais@pucrs.br. The model of the letter of recommendation is available at the following address: <https://portal.pucrs.br/pesquisa/programas-de-pos/engenharia-e-tecnologia-de-materiais/#ingresso-e-processo-seletivo1-item1>

When applying *online*, candidates must send the documents specified in items 6.6, 6.7 and 6.8 to the Program's e-mail address engenharia.pg.materiais@pucrs.br:

- 6.6. Document describing the topic of interest (only for Master's degrees) and work proposal (only for Doctorates) for the development of the research in the Program's model, available at:

<https://portal.pucrs.br/pesquisa/programas-de-pos/engenharia-e-tecnologia-de-materiais/#ingresso-e-processo-seletivo1>

- 6.7. Filling in the production summary spreadsheet according to the model provided by the Program at the following address: <https://portal.pucrs.br/pesquisa/programas-de-pos/engenharia-e-tecnologia-de-materiais/#ingresso-e-processo-seletivo1>
- 6.8. Candidate's cover letter, according to the Program's template, available at the following address: <https://portal.pucrs.br/pesquisa/programas-de-pos/engenharia-e-tecnologia-de-materiais/>.

7. The Selection Process

7.1. The Selection Committee

The selection committee will be made up of the professors who are part of the Coordinating Committee. If a member of the Coordinating Committee is unable to participate, a substitute will be appointed by the faculty member who is unable to participate.

7.2. Stages of the Selection Process

The selection process will consist of two qualifying stages and will be conducted by the Selection Committee:

- a) The Lattes CV and documentation will be analyzed from December 2 to 6, 2024. At this stage, only the information in the Lattes CV that contains the appropriate supporting documentation will be considered.
- b) The oral presentation of the curriculum and the topic of interest (only for Master's candidates) and the presentation of the Work Proposal (only for PhD candidates) will be scheduled until December 6, 2024. Candidates will be notified by e-mail.
- c) Oral presentation of the curriculum and the topic of interest (only for Master's candidates) and presentation of the Work Proposal (only for Doctoral candidates) for the development of the research, will be held from December 9 to 12, 2024.

For candidates residing abroad, in other states or in the interior of the state of Rio Grande do Sul, the presentation may be held via videoconference, as well as for those residing in Porto Alegre, if social distancing rules are in force during the period stipulated for its execution.

Foreign candidates may present in English or Spanish.

7.3. Selection Criteria

The Lattes CV is scored up to 10.0 (ten) points using a standardized evaluation form attached to the production summary form.

(<https://portal.pucrs.br/pesquisa/programas-de-pos/engenharia-e-tecnologia-de-materiais/#ingresso-e-processo-seletivo1-item2>); the undergraduate performance coefficient is scored up to 4.0 (four) points; letters of recommendation are scored up to 1.0 (one) point;

The oral presentation of the curriculum and the topic of interest for Master's candidates and the curriculum and work proposal for Doctoral candidates, for the development of the research, scored up to 5.0 (five) points.

The minimum score to pass the selection process is 5.0 (five) points, out of a total of 20.0 (twenty) points. In the event of a tie, the tie-breaking criterion will be the score obtained in the analysis of the Lattes CV.

7.4. Final ranking

The way the final result (FR) is calculated is as follows:

$$F = CL + CH + CR + OT \quad (1),$$

where CL is the Lattes Curriculum Vitae, CH is the school transcript's coefficient of performance, CR is the letter of recommendation and OT are the oral presentations.

The minimum score to pass the selection process is 5.0 (five) points, for a total of 20.0 (twenty) points.

The ranking of candidates in the Master's and Doctoral selection processes will be the result of a direct comparison between the grades calculated for each candidate, using Eq. 1.

The final results of the Master's and Doctoral selection processes will be published in rank order.

8. Results of the Selection Process

The list of selected candidates and the list of alternates will be published by December 18, 2024 on the Program's website (<https://portal.pucrs.br/pesquisa/programas-de-pos/engenharia-e-tecnologia-de-materiais/#ingresso-e-processo-seletivo1-item0>).

9. The timetable

Activity	Date
Publication of Notice 01/2025	01/09/2024
Registration period	01/09/2024 to 25/11/2024
Delivery of the documents requested in item 6.	Until 27/11/2024
Curriculum analysis	02 to 06/12/2024
Oral presentations by Master's and Doctoral candidates	09 to 12/12/2024

Publication of the partial result of the Selection Process	13/12/2024
Appeal period	16 to 17/12/2024
Publication of the results of the Selection Process	18/12/2024

10. General

- 10.1. The candidate's registration implies acceptance of the rules for this Selection Process contained in this Notice.
- 10.2. The deadline for appealing the results of the Selection Process for the Graduate Program in Materials Engineering and Technology will be two (2) working days from the date of publication. Any appeal requests should be sent to engenharia.pg.materiais@pucrs.br and will be analyzed and judged by the Program's Coordinating Committee.
- 10.3. The documents of not selected candidates and selected candidates who fail to enroll in the program will be deleted from the system after the enrollment period.
- 10.4. Any cases not covered by this Notice will be resolved by the Coordinating Committee of the Postgraduate Program in Materials Engineering and Technology at PUCRS.

Porto Alegre, September 2, 2024.

Prof. Dr. Eduardo Cassel
Coordinator of the Graduate Program in Materials
Engineering and Technology