NOTICE 01.2026, CANDIDATE SELECTION PROCESS FOR VACANCIES IN THE POSTGRADUATE PROGRAM IN BIOMEDICAL ENGINEERING

The Coordination of the Postgraduate Program in Biomedical Engineering (PPGEB) at the University of Vale do Paraíba (UNIVAP) makes public the selection process for admission to the **Academic Master's and Doctorate** courses for the first semester of 2026.

1. REGISTRATION

- **Period:** November 5, 2025 to January 30, 2026.
- **Location:** Exclusively online on the PPGEB website: https://www.univap.br/univap/pos-graduacao/inscricao-ppgeb
- The applicant is solely responsible for the accuracy of the documents submitted. Simultaneous registration in more than one category is not permitted.

2. REQUIRED DOCUMENTATION

Candidates must submit the following documents, described in Table 1, in PDF format, for online registration in the selection process.

Table 1: Mandatory Documentation

Document	Master's Degree	Direct Doctorate	Doctorate
RG and CPF, for Brazilian candidates, or copy of passport for foreign candidates;	✓	✓	✓
Undergraduate Academic Record issued by the institution;	✓	✓	✓
Undergraduate diploma or declaration of graduation completion	✓	✓	✓

Document	Master's Degree	Direct Doctorate	Doctorate
Master's degree transcript issued by the institution	-	-	✓
Master's degree diploma or a copy of the approved defense minutes	-	-	✓
Lattes CV, including the registered ORCID	✓	✓	✓
Diploma for specialist certification, if applicable;	Optional	Optional	Optional
Recommendations from TWO professors or professionals	✓	✓	✓
Nomination of at least TWO Professors from PPGEB	✓	✓	✓
Proof of publication or acceptance of two or more scientific articles in journals classified in Engineering IV last four years	-	✓	-
Proof of Scientific Initiation	Optional	Optional	Optional

3. SELECTION STEPS

The selection process consists of three eliminatory and qualifying phases.

1st PHASE: Document Analysis (25% of the final grade)

- Analysis of documentation and Lattes CV.
- Scientific production over the last four years will be scored according to the specific equation available in the notice.

$$\mathbf{NPC = M + 2*IC*K + (10*NA) + (5*NB) + (2{,}5*NQ) + 2*ESP + 0{,}5*NR} \quad [1]$$

Where: M: the average of the grades in courses taken in the Master's degree (for Doctoral candidates) or the average of the grades in courses taken in the Undergraduate degree (for Master's

or Direct Doctoral candidates); IC: sum of the (fractional) number of years of duly proven Scientific Initiation; K: weight for Master's or Direct Doctoral candidates: K=1; weight for Doctoral candidates: K=0; NA: Scientific articles classified according to CAPES strata from E1 to E4, National and international patents; NB: Scientific articles classified according to CAPES strata from E5 to E8, Software registration; NQ: the number of publications in journals that do not have an impact factor or of complete papers presented by the student at scientific conferences and that have a proven relationship (at the discretion of the program's areas of concentration) with the program; ESP: specialist or lato sensu postgraduate degree; NR: number of abstracts presented at the Paraíba Valley Biomedical Engineering Symposium promoted by PPGEB-UNIVAP.

2nd PHASE: Written Test (50% of the final grade)

- **Date:** February 10, 2026.
- **Time:** 2pm.
- **Location:** In person, at the IP&D/UNIVAP Auditorium.
- **Duration:** 3 hours.
- **Format:** Multiple-choice and essay questions on health sciences and exact sciences. A grade of zero or absence will result in disqualification.

3rd PHASE: Interview (25% of the final grade)

- **Date:** February 10, 2026 (after the written test).
- **Assessment:** Candidate's profile, potential, aspirations, research proposal and time availability. Eliminatory nature.

Final Note (NFP) = [1st Phase Score x 0.25] + [2nd Phase Score x 0.25] + [3rd Phase Score x 0.5]

Notes:

1. Only candidates deemed eligible in the First and Second Phases of the selection process may participate in the third (3rd) stage.
2. As a tie-breaker, preference will be given to the candidate with the greater number of published works on research topics related to Biomedical Engineering within the four-year period.

Table 2: Content for the test.

Axis	Content	Bibliography
Health Sciences	• Cellular components and biochemistry. • Microorganisms, parasites, and control mechanisms. • Inflammatory processes and hemodynamic changes.	SIMÕES, Arnaldo Antônio; LODI, Wilson Roberto Navega (Trad.). Lehninger princípios de bioquímica. 4. ed. São Paulo, SP: Sarvier, 2006. 1202 p. ALBERTS, Bruce et al. . Fundamentos da biologia celular. 2. ed.; reimpr. 2007. Porto Alegre: Artes Médicas, 2006. 740 p.
Exact Sciences	• Basic statistics • Basic mathematical concepts: First- and second-degree equations, modular, exponential, and logarithmic • Calculation of maximum, minimum, and inflection points of functions • Physics: Interaction of radiation with matter • Basic notions of optics • General chemistry: chemical reactions, reaction stoichiometry, chemical bonds, and solutions.	IEZZI, Gelson. (2004). Fundamentos de Matemática Elementar. São Paulo: Editora Atual. Vols. 1, 3, 4, 7. THOMAS, George B. Cálculo. São Paulo: Addison wesley, 2002. v.1. ATKINS, P. W.; JONES, L. Princípios de química: questionando a vida moderna e o meio ambiente. 5. ed. Porto Alegre, RS: Bookman, 2012. 922 p. RUSSELL, J. B. Química geral, vol. 1. 2a ed. São Paulo, SP: Pearson Education do Brasil, 1994. 621 p. OKUNO, Emico; CHOW, Cecil; CALDAS, Iberê Luiz. Física para ciências biológicas e biomédicas. São Paulo, SP: Harbra, 1986. ARCIA, Eduardo A. Cadavid. Biofísica. São Paulo, SP: Sarvier, 2002.

4. VACANCIES OFFERED

The number of places available for entry in the first semester of 2026 will be:

Course	Quotas			Total
	Wide Competition	Black, Brown and Indigenous People*	PcD	
Mestrado	16	3	1	20
Doutorado	12	2	1	10

*According to the category described by IBGE 2022.

Candidates may compete for vacancies reserved for quota groups — Black, Brown, Indigenous, Quilombola, and disabled candidates. In these cases, they must submit, at the time of registration, a self-declaration of belonging to the corresponding group.

Candidates registered in the Disability (PwD) category must present supporting

documentation or a medical report/medical board. It should be noted that registration in the PwD category is optional, according to Article 4, §2, of Law No. 13.146/2015.

If there are not enough approved Black, Brown, Indigenous, Quilombola, or disabled candidates to fill the reserved vacancies, these will be reverted to the general competition, respecting the order of classification.

The distribution of vacancies will be carried out equally by area of concentration of the program, seeking a balance between areas or lines of research. For additional information on the scope of research areas explored by PPGEB researchers, as well as their thematic preferences, please visit our page: https://www.univap.br/univap/pos-graduacao/stricto-sensu/mestrado-e-doutorado-em-engenharia-biomedica

Candidates admitted to Master's or Doctoral programs will be supervised only by the following PhD professors:

Professors	Lattes
Profa. Dra. Andreza Simioni	http://lattes.cnpq.br/2941691353203495
Profa. Dra. Cristina Pacheco Soares	http://lattes.cnpq.br/9091470548988255
Profa. Dra. Emilia Angela Lo Schiavo Arisawa	http://lattes.cnpq.br/8023297225898285
Profa. Dra. Fernanda Pupio Silva Lima	http://lattes.cnpq.br/6054973324482537
Profa. Dra. Ivone Regina Oliveira	http://lattes.cnpq.br/1078848217755188
Prof. Dr. José Geraldo da Cruz Pradella	http://lattes.cnpq.br/4428559309561977
Profa. Dra. Juliana Guerra Pinto	http://lattes.cnpq.br/0053989595271892
Prof. Dr. Leandro José Raniero	http://lattes.cnpq.br/6778876983012103
Profa. Dra. Lúcia Vieira	http://lattes.cnpq.br/4359261479122193
Profa. Dra. Luciana Barros Sant Anna	http://lattes.cnpq.br/6653599893446746
Profa. Dra. Maiara Lima Castilho	http://lattes.cnpq.br/5246162093459587
Profa. Dra. Maricilia Silva Costa	http://lattes.cnpq.br/7963390052508784
Prof. Dr. Mário Oliveira Lima	http://lattes.cnpq.br/7843740058537030
Profa. Dra. Renata de Azevedo Canevari	http://lattes.cnpq.br/9093845577896778
Profa. Dra. Virginia Klausner	http://lattes.cnpq.br/534887485518471

5. RESULTS OF THE SELECTION PROCESS

The results of the selection process will be published on February 13, 2026, in order of ranking, identified by registration number, on the PPGEB website. Enrollment will be available from February 19, 2026, at the general secretariat (Tudo Aqui) of UNIVAP.

6. SUMMARY SCHEDULE

Activity	Date
Registration Period	November 5, 2025 to January 30, 2026
Test Application and Interviews	February 10, 2026
Disclosure of Final Result	February 13, 2026
Enrollment Period	February 19, 2026
Start of Classes	March 09, 2026

7. SCHOLARSHIPS

Grants will be awarded based on final ranking and socioeconomic analysis, subject to available resources. **Candidates must express interest during the interview by submitting a signed letter of intent.**

8. GENERAL INFORMATION

- The selection process described in this notice will remain valid until the publication of the next notice for the selection of regular students in the PPGEB program.
- The course is offered in an on-site format. Mandatory courses may be taught in a synchronous and simultaneous online modality, on the scheduled days and times, through digital platforms.
- Candidates approved for the Doctorate whose Master's dissertation is not in a related area must take the mandatory Master's courses in the first year.
- Appeals must be submitted in writing to the “PPGEB Selection Committee” within 48 hours after the publication of the final results. Appeals submitted after this deadline will not be accepted.
- Omitted cases will be resolved by the PPGEB Selection Process Committee.

Contact for clarification:

PPGEB Selection Process Committee

E-mail: **seletivoppgeb@univap.br**