

**NOTICE 02.2026 - SELECTION PROCESS
POSTGRADUATE PROGRAM IN BIOMEDICAL
ENGINEERING (PPGEB)**

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

1. APPLICATIONS

- **Period:** May 12 to July 26, 2026.
- **Format:** Exclusively online via the PPGEB website:
<https://www.univap.br/univap/pos-graduacao/inscricao-ppgeb>
- **Responsibility:** The applicant is solely responsible for the authenticity of all documents submitted.
- **Note:** Applicants may only apply for one of the available tracks: Master's, Direct Doctorate, or Doctorate.

2. DOCUMENTATION

The validation of the candidate's online application is subject to the submission, in PDF format, of the documents listed in Chart 1.

Chart 1: Documentation required at the time of application.

Document	Master's	Direct Doctorate	Doctorate
Copy of ID (RG) and CPF, or National Driver's License (CNH), or National Identity Card. For Foreigners: Valid Passport.	✓	✓	✓
Undergraduate Academic Transcript.	✓	✓	✓
Undergraduate Diploma (front and back) or Degree Completion Statement issued by the Higher Education Institution's Registrar.	✓	✓	✓
Master's Academic Transcript (for Doctorate applicants).	-	-	✓
Master's Diploma (front and back) or supporting document issued by the Higher Education Institution's Registrar.	-	-	✓
Lattes Curriculum Vitae (Lattes link with ORCID identification).	✓	✓	✓
Simple copy of a Specialist (Post-Graduate) Diploma.	Optional	Optional	Optional
Full names and contact information (email and phone) of 2 (two) professors external to the Program or professionals in a related field who can provide references for the candidate.	✓	✓	✓
Indicate the full names of 2 (two) PPGEB Professors who conduct research in the candidate's area of interest.	✓	✓	✓
Proof of at least 2 articles published in the last 4 years, with topics aligned with the "Engineering IV" field.	-	✓	-
Statement of interest for a scholarship (model available on the website).	Optional	Optional	Optional
Proof of Scientific Initiation (Undergraduate Research) experience.	Optional	Optional	Optional

Note: Candidates who choose to submit a **Degree Completion Statement** specifying the expected date of graduation or Master's completion must provide a copy of the actual **Undergraduate or Master's Diploma** at the time of enrollment.

3. SELECTION PROCESS

The selection process consists of three eliminatory and qualifying phases.

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

- Analysis of the documentation submitted at the time of application and the Lattes Curriculum Vitae.
- Analysis of scientific production from the last four years.
- The score for each candidate will be obtained using the following formula 1:

$$NPC = M + (2 \cdot IC \cdot K) + (10 \cdot NA) + (5 \cdot NB) + (2.5 \cdot NQ) + 2 \cdot ESP + 0.5 \cdot NR \quad [1]$$

Where:

M: Average grade in subjects taken during the Master's degree (for Doctorate candidates) OR average grade in subjects taken during the Undergraduate degree (for Master's or Direct Doctorate candidates).

IC: Sum of the (fractional) number of years of duly proven Scientific Initiation (Undergraduate Research).

K: Weights assigned based on the chosen program:

- a) Master's or Direct Doctorate: $K = 1$;
- b) Doctorate: $K = 0$;

NA: Scientific articles classified in CAPES strata **A1 to A4**, and national/international patents.

NB: Scientific articles classified in CAPES strata **A5 to A8**, and software registrations.

NQ: Number of publications in journals without an impact factor, or full papers presented by the candidate at scientific conferences with a proven connection to PPGE B.

ESP: Specialist title or *Lato Sensu* postgraduate degree.

NR: Number of abstracts presented at the **Vale do Paraíba Biomedical Engineering Symposium** promoted by PPGE B-UNIVAP.

PHASE 2: Written Exam (25% of the final grade)

- **Date:** August 03, 2026.
- **Time:** 2:00 PM.
- **Location:** In-person, at the IP&D/UNIVAP Auditorium.
- **Duration:** 3 hours.

- **Format:** Multiple-choice and essay questions regarding Health Sciences and Exact Sciences, based on the content and bibliography presented in Chart 2. **Absence or a score of zero will result in immediate disqualification.**

PHASE 3: Interview (50% of the final grade)

- **Date:** August 03, 2026 (following the written exam).
- **Evaluated Criteria:** Candidate profile, potential, aspirations, research proposal, and time availability. This is an eliminatory phase.

Final Grade (NFP)

The final grade is calculated as follows:

$$\text{NFP} = (\text{Phase 1 Score} \cdot 0.25) + (\text{Phase 2 Score} \cdot 0.25) + (\text{Phase 3 Score} \cdot 0.5)$$

Notes:

1. Only candidates considered qualified in Phase 1 and Phase 2 may proceed to the third (3rd) stage of the selection process.

Chart 2: Exam Content.

Field	Content	Bibliography
Health Sciences	<ul style="list-style-type: none"> • Cellular components and biochemistry; • Microorganisms, parasites, and control mechanisms; • Inflammatory processes and alterations. 	<p>SIMÕES, Arnaldo Antônio; LODI, Wilson Roberto Navega (Trans.). <i>Lehninger Principles of Biochemistry</i>. 4th ed. São Paulo, SP: Sarvier, 2006. 1202 p.</p> <p>ALBERTS, Bruce et al. <i>Essential Cell Biology</i>. 2nd ed. Porto Alegre: Artes Médicas, 2006. 740 p.</p>
Exact Sciences	<ul style="list-style-type: none"> • Basic statistics; • Basic mathematical concepts: Linear and quadratic equations, absolute value (modular), exponential, and logarithmic functions; • Calculus: Maxima, minima, and inflection points of functions; • Physics: Interaction of radiation with matter; • Basic concepts of optics; • General Chemistry: Chemical reactions, reaction stoichiometry, chemical bonding, and solutions. 	<p>IEZZI, Gelson. (2004). <i>Fundamentos de Matemática Elementar</i> (Fundamentals of Elementary Mathematics). São Paulo: Editora Atual. Vols. 1, 3, 4, 7.</p> <p>THOMAS, George B. <i>Calculus</i>. São Paulo: Addison Wesley, 2002. v.1.</p> <p>ATKINS, P. W.; JONES, L. <i>Chemical Principles: The Quest for Insight</i>. 5th ed. Porto Alegre, RS: Bookman, 2012. 922 p.</p> <p>RUSSELL, J. B. <i>General Chemistry</i>, vol. 1. 2nd ed. São Paulo, SP: Pearson Education do Brasil, 1994. 621 p.</p> <p>OKUNO, Emico; CHOW, Cecil; CALDAS, Iberê Luiz. <i>Física para ciências biológicas e biomédicas</i> (Physics for Biological and Biomedical Sciences). São Paulo, SP: Harbra, 1986.</p> <p>GARCIA, Eduardo A. Cadavid. <i>Biofísica</i> (Biophysics). São Paulo, SP: Sarvier, 2002.</p>

4. AVAILABLE VACANCIES

The number of vacancies available for admission in the **second semester of 2026**:

Programs	Quotas			Total
	General Competition	Black, Mixed-race, Indigenous*	People with Disabilities	
Master's	8	1	1	10
Doctorate	3	1	1	5

**According to the IBGE 2022 categories.*

Quota groups that may be requested by candidates: Black; People with Disabilities (PwD/PCD); Indigenous; and Quilombolas. Candidates enrolled in any of the listed quota groups must submit, at the time of application, a self-declaration of belonging to the group they have chosen (model available on the website). Candidates applying under the People with Disabilities (PwD) category must present supporting documentation of their disability or a medical report issued by a physician or medical board. **Note:** a person with a disability is not required to register as such, pursuant to Art. 4, § 2 of Law No. 13,146/2015.

In the event that there are no candidates enrolled in the aforementioned quota groups, or an insufficient number to fill the vacancies, these spots will be reverted to the **General Competition** and filled by other approved candidates according to the ranking order.

The distribution of vacancies will be carried out equally by the program's concentration areas, seeking a balance between research areas or lines. Additional information regarding the scope of research lines explored by PPGEB researchers, as well as their thematic preferences, can be accessed on the PPGEB page: <https://www.univap.br/univap/pos-graduacao/stricto-sensu/mestrado-e-doutorado-em-engenharia-biomedica>

Candidates admitted to the Master's or Doctoral programs may only be supervised by the professors (PhD) listed below:

Faculty Member	Lattes CV	Availability	
		Master's	Doctoral
Profa. Dra. Andreza Simioni	http://lattes.cnpq.br/2941691353203495	Yes	Yes
Profa. Dra. Emilia Angela Lo Schiavo Arisawa	http://lattes.cnpq.br/8023297225898285	Yes	Yes
Profa. Dra. Fernanda Pupio Silva Lima	http://lattes.cnpq.br/6054973324482537	Yes	Yes
Profa. Dra. Ivone Regina Oliveira	http://lattes.cnpq.br/1078848217755188	Yes	No
Prof. Dr. José Geraldo Pradella	http://lattes.cnpq.br/4428559309561977	Yes	Yes
Profa. Dra. Juliana Guerra Pinto	http://lattes.cnpq.br/0053989595271892	Yes	Yes
Prof. Dr. Leandro José Raniero	http://lattes.cnpq.br/6778876983012103	No	Yes
Profa. Dra. Lúcia Vieira	http://lattes.cnpq.br/4359261479122193	Yes	Yes
Profa. Dra. Luciana Barros Sant'Anna	http://lattes.cnpq.br/6653599893446746	Yes	Yes
Profa. Dra. Maricilia Silva Costa	http://lattes.cnpq.br/7963390052508784	Yes	Yes
Prof. Dr. Mário Oliveira Lima	http://lattes.cnpq.br/7843740058537030	Yes	Yes
Profa. Dra. Renata de Azevedo Canevari	http://lattes.cnpq.br/9093845577896778	Yes	Yes
Profa. Dra. Virginia Klausner	http://lattes.cnpq.br/534887485518471	No	Yes

5. SCHEDULE

Activities	Dates
Application Period	12/05/2026 a 26/07/2026
Exam and Interviews	03/08/2026
Announcement of Final Results	04/08/2026
Enrollment Period	05 a 10/08/2026
Start of Classes	10/08/2026

6. SCHOLARSHIPS

The awarding of scholarships, if available, will follow the final ranking of the selection process. This includes an analysis of the candidate's socioeconomic situation and their time availability dedicated to activities within the PPGE. Candidates must express interest by submitting a signed **Letter of Interest for Scholarship** at the time of application (Model available on the website).

7. GENERAL INFORMATION

The results of the Selection Process set forth in this Notice will remain valid until the publication date of the next notice for the selection of regular students for the PPGEb.

The courses are offered in an **in-person** format. However, mandatory classes may be taught synchronously and simultaneously on scheduled days and times via digital platforms.

Candidates approved for the Doctorate program whose Master's thesis was not in a related field will be required to take the Mandatory Master's Courses during their first year.

Appeals must be written and addressed to the "PPGEb Selection Process Committee" and delivered to the IP&D Postgraduate Secretary within **24 hours after the announcement of the final results**. Appeals will not be accepted after this period. The Selection Process Committee shall be responsible for judging any appeals submitted.

Omissions or cases not covered by this notice will be resolved by the PPGEb Selection Process Committee.

Contact for clarification:

PPGEb Selection Process Committee

E-mail: seletivoppgeb@univap.br