ESCOLA DE ENGENHARIA DE LORENA - EEL/USP

GRADUATE PROGRAM IN EDUCATIONAL PROJECTS IN SCIENCES (PPGPE)

SELECTION NOTICE FOR THE PROFESSIONAL MASTER'S PROGRAM

Applications are open at EEL-USP for the selection process of the Professional Master's Program of the Graduate Program in Educational Science Projects (PPGPE), scheduled to start in March 2026.

Number of vacancies:

15 (fifteen) vacancies for Brazilian candidates or foreigners residing in Brazil 01 (one) vacancy for a foreign candidate residing abroad

In accordance with CoIP Resolution No. 8835, of August 7, 2025, 20% (twenty percent) of the total vacancies offered in this selection process will be reserved for self-declared Black candidates (Black or Brown), who choose to compete for the affirmative action vacancies at the time of registration, as provided below:

- a) The hetero-identification procedure of the candidates will be carried out in a parallel process, on a previously defined date and upon specific summons. The assessment will consider exclusively the phenotypic traits of the candidates and will be conducted by a committee appointed by the Inclusion and Belonging Committee and the Program Coordinating Committee, prior to the publication of the final ranking of the selection process;
- b) Candidates opting for affirmative action vacancies must also participate in all stages of the selection process as described in item 2 of this notice. The score obtained in the selection process will be used for the classification of candidates confirmed in the heteroidentification procedure;
- c) A candidate whose racial self-declaration is not confirmed through the hetero-identification procedure will not be entitled to affirmative action and will compete in open competition;
- d) In case affirmative action vacancies are not filled, the remaining vacancies will be transferred to open competition.

Applications for the selection process (for all candidates) must be made according to the following procedure:

- Complete the electronic form available at https://inscricao.eel.usp.br/ and submit the required documents in the corresponding fields, scanned in high resolution for easy reading and evaluation.
- Issue the Application Request in the electronic system and subsequently submit the same file, duly signed (with electronic certification), in PDF format in the corresponding field.

No registration fee or any other fee will be charged during the selection process.

Note: Applications by phone or in person will not be accepted.

- 1. DOCUMENTS FOR APPLICATION TO THE SELECTION PROCESS (SUBMISSION THROUGH ELECTRONIC SYSTEM). FOR ALL CANDIDATES, EXCEPT ITEMS 1.4 AND 1.5 FOR FOREIGN CANDIDATES RESIDING ABROAD:
- 1.1. Application Request, properly completed and signed (electronic certification), submitted in the electronic registration system in the corresponding field.
- 1.2. Copy of Diploma (front and back) or Declaration of Completion of the undergraduate course, including the graduation date.
 - 1.2.1. The Diploma (front and back) must be registered with the competent authority.

- 1.2.2. The Declaration of Completion containing the graduation date must be accompanied by a certificate recognizing the course.
- 1.2.3. Candidates in their last undergraduate semester are not required to present the Diploma or Declaration of Completion at the time of registration; however, one of these documents will be essential for enrollment if the candidate is approved.
- 1.3. Copy of Undergraduate Transcript (HE) related to the Diploma presented in item 1.2.
 - 1.3.1. Candidates in their last undergraduate semester are not required to present the Transcript at the time of registration; however, it will be essential for enrollment if the candidate is approved.
- 1.4. Copy of CPF (including for foreign candidates residing in Brazil).
- 1.5. Copy of ID card (RG) or, for foreign candidates residing in Brazil, Passport or RNM. CNH is not considered valid for this process.
- 1.6. Curriculum Vitae (Vitae or Lattes), with numbered pages and supporting documents for the information contained. These documents must be numbered according to their appearance in the Curriculum and attached to the PDF file.
- 1.7. The Pre-project must be prepared according to Annex 2 of this Notice and attached during the online registration process.

SUPPLEMENTARY DOCUMENTS - ONLY FOR FOREIGN CANDIDATES RESIDING ABROAD:

- 1.8. Identification document from the country of origin or passport.
- 1.9. Referral letter signed digitally by the potential advisor, who must be regularly accredited in the PPGPE.

2. SELECTION PROCESS

- 2.1. For foreign candidates residing abroad, oral presentation of the pre-project to an examining board defined by the CCP, on the date to be announced later.
 - 2.1.1. Candidates who do not score at least 5.0 (five) on the pre-project will be eliminated.
 - 2.1.2. Tie-breaking criterion: Analysis of curriculum vitae (C) and transcript (HE).
- 2.2. For **Brazilian candidates or foreigners residing in Brazil**, the selection process will occur in two phases as follows:
 - 2.2.1. **The first phase** will consist of two assessments, each scored from 0 (zero) to 10.0 (ten) points, and will be eliminatory.
 - 2.2.1.1. First assessment: Written exam (PE)
 - 2.2.1.1.1.The written exam will include questions based on the bibliographic references described in Annex 1.
 - 2.2.1.1.2. Candidates who do not score at least 5.0 (five) will be eliminated.
 - 2.2.1.1.3. The IN-PERSON written exam will start at 8:30 a.m. (10-minute tolerance), lasting a maximum of three hours (ending at 11:30 a.m.), and will be held at Area II of the School of Engineering of Lorena USP, Estrada Chiquito de Aguino, nº 1000 Bairro Santa Lucrécia, Lorena, SP ZIP 12.612-550.
 - 2.2.1.1.4. References are listed in ANNEX 1 of this Notice.

- 2.2.1.2. Second assessment: Curriculum Vitae (C) and Undergraduate Transcript (HE)
 - 2.2.1.2.1. Curriculum (C) will be analyzed and evaluated according to the following items:
 - 2.2.1.2.1.1. Connection with activities in Basic or Higher Education, effective or temporary, proven by a declaration from the competent authority, computing up to 3.0 points: for effective connection, 0.5 point per year up to a maximum of 3.0 points; for temporary connection, 0.5 point per year up to a maximum of 1.0 point. Only original certificates or notarized copies are accepted.
 - 2.2.1.2.1.2. Specialization courses in teaching, minimum 40 hours, up to 1.0 point according to duration: ≥300 hours = 1.0; 200–299 hours = 0.7; 100–199 hours = 0.5; 40–99 hours = 0.2.
 - 2.2.1.2.2. Undergraduate Transcript (HE) will be analyzed and evaluated as follows:
 - 2.2.1.2.2.1. Points for total undergraduate duration, up to 6.0 points: ideal duration = 6.0; one extra semester = 5.0; two extra semesters = 4.0; three or more extra semesters = 2.0.
 - 2.2.1.2.3. If the Second Assessment score is less than 10.0, the following additional activities will be considered, respecting the maximum of 10 points:
 - 2.2.1.2.3.1. Teaching initiation (PIBID), scientific initiation (IC), or extension initiation (IEX), with official proof. Value: 1.0 point.
 - 2.2.1.2.3.2. Tutoring: Value: 1.0 point.
 - 2.2.1.3. **The first phase score (N1)** will be 70% of the first assessment (PE) plus 30% of the second assessment (C + HE).
 - 2.2.1.3.1. Candidates will be ranked in descending order up to the 60th place and called for the second phase.
 - 2.2.1.3.2. Call for the second phase will follow the schedule, by email with date, time, and instructions for oral presentation/questioning.
- 2.2.2. **Second phase:** Pre-project evaluation (PP) in two stages, each scored 0–10 points:
 - 2.2.2.1. First stage (P1): analysis of printed content by a faculty board.
 - 2.2.2.2. Second stage (P2): oral presentation and questioning by the same board. Oral presentation up to 10 minutes, using personal or provided computer (PPT or PDF).
 - 2.2.2.3. **Second phase score (N2)** = arithmetic average of the two stages.
 - 2.2.2.4. Candidates with N2 < 5.0 will be eliminated.
 - 2.2.2.5. Guidelines for the pre-project are in Annex 2.
- 2.2.3. **Final score** = weighted average: 40% N1 + 60% N2.
 - 2.2.3.1. The 15 top-ranked candidates will be called for enrollment.
 - 2.2.3.2. A second call will only occur if vacancies remain.

2.2.4. Tie-breaking criteria: order: highest N1; if tie, PE, P1, P2, then second assessment including C + HE.

3. SELECTION PROCESS SCHEDULE

a) Registration: Oct 02, 2025 – Oct 17, 2025

b) Written exam: Oct 29, 2025, 8:30 a.m.

c) Announcement of second phase: by Nov 17, 2025

d) Second phase: Nov 24 - Dec 10, 2025

e) Final classification: Dec 15, 2025

f) Enrollment: dates to be informed later

4. ENROLLMENT

- 4.1. First enrollment at the Graduate Committee Office CPG, Area I of EEL-USP, 8:30–11:00 am / 2:30 to 5:00 pm (Brasília timezone), by the candidate or legal representative
- 4.2. Enrollment on the dates in item 3.
- 4.3. In the event of withdrawals, the next-ranked candidates will be called in a second round, up to the number of remaining available vacancies, for enrollment on a date to be announced later. The selected candidates will be contacted exclusively via the email address provided in the application form.
- 4.4. Required documents for enrollment:
 - a) PPGPE First Regular Enrollment Form, duly completed and signed by the Program Coordinator. Available on the Graduate Commission webpage – Form: First Regular Enrollment | Graduate Commission (usp.br)
 - b) Copy of the Diploma or Undergraduate Completion Certificate, indicating the date on which the Degree Conferral took place
 - c) Copy of Undergraduate Transcript
 - d) Copy of CPF (if not in ID)
 - e) Copy of RG (CNH, professional or military registration not accepted)
 - f) For foreign candidates: a) Copy of the RNE or Protocol (indicating the type of Visa: Temporary IV, Mercosur, or Permanent) with number and validity; b) Copy of the Passport (pages showing identification, passport number, and validity).
 - g) Copy of Birth or Marriage Certificate
 - h) One recent 3x4 photo

5. GENERAL PROVISIONS

- 5.1 Validation of registrations is the responsibility of CCP/PPGPE
- 5.2 CCP/PPGPE applies the criteria in this notice, except for first enrollment requirements
- 5.3 Results homologation by CPG/EEL-USP

- 5.4 Omitted cases resolved by CPG after CCP/PPGPE consultation
- 5.5 No review of assessments
- 5.6 Registration implies acceptance of rules and instructions in this notice
- 5.7 Additional information:

Área II

Secretaria do Programa de Pós-Graduação em Projetos Educacionais de Ciências (PPGPE):

Fone (12) 3159-9909, e-mail: ppgpe@eel.usp.br / site: www.ppgpe.eel.usp.br Endereço: Estrada Municipal Chiquito de Aquino, nº 1000 – Mondesir, Lorena, SP, CEP: 12.612-550

Área I

Secretaria da Comissão de Pós-Graduação (CPG):

Fone (12) 31595051 ou 31595015, e-mail: cpg@eel.usp.br / site: www.cpg.eel.usp.br Endereço: Estrada Municipal do Campinho, nº 100 – Campinho, Lorena, SP, CEP: 12.602-810.

ANNEX 1 (References)

- 1. BARBOSA, E. F.; Metodologias ativas da aprendizagem da educação profissional e tecnológica. Boletim Técnico Senac Senac Journal of Education and Work, v. 39, n. 2, 2013. Disponível em: https://www.bts.senac.br/bts/article/view/349
- 2. COELHO, L. J., & CAMPOS, L. M. L. Diversidade sexual e ensino de ciências: buscando sentidos. Ciência & Educação (Bauru), 21(4), 893–910, 2015.

 Disponível em: https://www.scielo.br/j/ciedu/a/fCSb69yzh8wDm3tWXKYsFkS/#
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- 4. GAUDÊNCIO, J. Interculturalidade no ensino de ciências: Revista da FAEEBA Educação e Contemporaneidade, v. 31, n. 67, p. 325–340, 2022. Disponível em: https://www.revistas.uneb.br/index.php/faeeba/article/view/14029
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- 6. SASSERON, L. H. Alfabetização Científica, Ensino Por Investigação E Argumentação: Relações Entre Ciências Da Natureza E Escola. Ensaio Pesquisa em Educação em Ciências (Belo Horizonte), v. 17, n. spe, p. 49–67, 2015.
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- 7. SIQUEIRA, V. F.; GOI, M. E. J. A teoria de Dewey e suas contribuições para o Ensino de Ciências. Research, Society and Development, v. 11, n. 6, p. e25911629097, 2022. Disponível em: https://rsdjournal.org/index.php/rsd/article/view/29097/25187
- 8. ZOMPERO, A. F.; Laburú, C. E. As atividades de investigação no Ensino de Ciências na perspectiva da teoria da Aprendizagem Significativa. Revista Electrónica de Investigación en Educación en Ciencias, ISSN-e 1850-6666, Año 5, Nº. 2, págs. 12-19, 2010. Disponível em: https://dialnet.unirioja.es/servlet/articulo?codigo=3672996

ANNEX 2

GUIDELINES FOR THE PREPARATION OF THE PRE-PROJECT (PP)

The Pre-Project (PP) must necessarily be linked to the research lines of the PPGPE: Public Policies or Educational Projects in Sciences.

The Pre-Project (PP) must follow the formatting below:

- a) Maximum number of pages: 06 (numbered, including the cover page);
- b) Paper size: A4;
- c) Font: Arial, size 11;
- d) Line spacing: 1.15;
- e) Margins: 2.5 cm.

Pre-textual elements:

Cover page containing:

- a) Full name of the applicant;
- b) Title of the pre-project;
- c) Identification of the applicant's field(s) of training and/or teaching activity;
- d) Place and date.

Textual elements:

The main text must clearly present:

- a) Theme what will be researched;
- b) Problem the research question to be answered;
- c) Justification showing the importance of the research for education and the applicability of the project;
- d) Objective(s) what the research aims to achieve;
- e) Theoretical framework the main theoretical principles supporting the investigation;
- f) Methodology the material/human resources and procedures that will be used to achieve the objective(s):
- g) Possible contributions of the project to the improvement of education;
- h) Project timeline.

Post-textual elements:

References (in accordance with ABNT NBR 6023).

Note: The Pre-Project (PP) will not necessarily be the one developed by the applicant if selected for the professional master's program at PPGPE.