NOTICE Nº 02/2022

REGULAR ANNOUNCEMENT

SELECTION PROCESS FOR REGULAR ADMISSION TO THE MASTER'S DEGREE PROGRAM IN SYSTEMS ENGINEERING IN 2023

1. PREAMBLE

The Collegiate Body of the Graduate Program stricto sensu, Academic Master's level, in Systems Engineering, after hearing the Council of Academic and Administrative Management of the Polytechnic School of the University of Pernambuco (POLI/UPE), in the use of its powers and in accordance with the provisions of CEPE Resolution 041/2020, makes public this Announcement, which establishes the specific rules for the Selection Process and Admission of students to the Graduate Program in Systems Engineering (PPGES).

1.1 Information about the Graduate Program in Systems Engineering (PPGES) is available at https://w2.solucaoatrio.net.br/somos/upe-ppgesor at the Program office.

2. THE NUMBER OF VACANCIES

2.1. Up to 40 places will be offered for the Master's course.

2.2. 10% of the vacancies are reserved for professors and technical and administrative staff of the University of Pernambuco who are approved in the selection process, according to resolution number 80/2007 of the Teaching, Research, and Extension Council of the University of Pernambuco. Also, 10% of the vacancies will be reserved for applicants self-declared as black, or indigenous, or quilombas, or rural population, or people with disabilities.

2.2.1. In the event that the vacancies are not filled by the two priority groups, teachers or technical and administrative employees,the vacant quantity will be reverted directly to the children of the same, who were approved in the selection process.

3. THE REGISTRATION

3.1. Candidates with a degree in Computer Science, Computer Science, Physics (BS), Mathematics (BS), Statistics (BS), Chemistry (BS), Chemical Engineering, Electrical Engineering, Electronics or Telecommunications, Computer Engineering, Mechatronic Engineering, Control and Automation Engineering, Civil Engineering, Biomedical Engineering, Aeronautical Engineering, Medicine, Biomedical Engineering or Telecommunications may enroll in the selection process, Electronics or Telecommunications, Computer Engineering, Mechatronic Engineering, Control and Automation Engineering, Mechanical Engineering, Civil Engineering, Biomedical Engineering, Aeronautical Engineering, Medicine, Biomedicine, Dentistry, Speech Therapy, Physiotherapy, Nursing or Biological Sciences, duly recognized by the MEC. For the exclusive purpose of registration in the selection process, a declaration that the candidate is in the last semester of the undergraduate course is accepted. If the candidate is approved in the selection process, enrollment in PPGES will be conditional on the presentation of an official document proving completion of one of the undergraduate courses listed above.

3.2 Candidates from Health or Biology undergraduate courses may, if necessary, take leveling courses to be defined by the PPGES Collegiate, in order to complement their Systems Engineering education.

3.3 Brazilian and foreign candidates may apply. There will be no differentiated evaluation for Brazilian or foreign

3.4 The registration period is in the schedule in section 7 of this announcement.Please note that the registration process and submission of documents will take place entirely online.

3.5 The registration fee of R$ 200.00 (two hundred reais) must be paid by an identified deposit at Banco do Brasil, account number 9637-7, branch 3234-4 (Name: IAUPE-POLI-PPGES; CNPJ: 03.507.661/0001-04). The registration fee will not be refunded under any circumstances.

3.6 The application form for regular students is available on the Master's webpage (https://w2.solucaoatrio.net.br/somos/upe-ppges/index.php/pt/admissao). The list of documents required is described below

     a) Application form, scanned in PDF, duly filled out, indicating up to 03 (three) research projects in the order of preference of the candidate, extracted only from the projects made available by the Faculty and published on the specific page of the PPGES website;

     b) 3x4 photo (bust/face with light background) scanned in PDF.

     c) ID and CPF scanned in PDF (For foreign applicants, copy of ID and present a certified copy of the Foreigners National Registry at the time of enrollment).

     d)Scanned undergraduate transcripts in PDF.

     e)Post-graduate transcripts, when applicable, scanned in PDF.

     f) Updated Lattes resume scanned in PDF, with supporting documentation (including English language skills).

     g) A scanned PDF of your university degree or equivalent certificate. For applicants who are in the last semester of their undergraduate course, a declaration from the institution stating that, if approved in the courses in which they are enrolled, graduation will take place before March 2023 is sufficient. For foreign candidates, a diploma revalidated in Brazil must be presented.

     h) Scanned proof of electoral discharge in PDF.

     i) Scanned proof of military discharge in PDF, when applicable

     j) Proof of payment of the registration fee. Proof of envelope delivery at an ATM will not be accepted.

3.7 False or inaccurate statements made by the candidate and verified at any time will constitute cause for elimination from the selection process.

3.8 The judging commission may request, at any stage of the competition, clarifications regarding the candidate's documentation. In these cases, the candidate will be duly informed by e-mail with the requests required by the judging commission.

3.9 The evaluation of the documentation (completeness and correctness) submitted by the candidate constitutes an eliminatory stage of the selection process.

3.10 The candidate must submit electronically all the required documentation as per item 3.6 of this Announcement. The link for registration will be posted at https://w2.solucaoatrio.net.br/somos/upe-ppges/index.php/pt/

3.11 The Program will not reimburse any expenses of an applicant who is prevented from applying, disqualified, or not selected due to non-compliance with the specifications in this Announcement and/or as a result of the selection

process.

3.12 By registering, the candidate is automatically agreeing to the provisions contained in this Announcement and selection process

3.13 The courses and research activities offered in the semesters 2023.1, 2023.2, 2024.1, and 2024.2 may take place entirely in a remote and/or face-to-face format, as decided by the government of the State of PE, the UPE, and the collegiate of PPGES.

4 THE SELECTION AND ADMISSION PROCESS

4.1 The selection process will be carried out by the Selection and Admission Committee appointed by the Collegiate of the Academic Master's Degree Program in Systems Engineering on the dates and times established in item 7 of this Announcement.

4.2 The Selection Process will consist of the following stages:

4.2.1 **Registration:** The candidate must follow the guidelines described in item 3 of this Announcement**.**

4.2.2 **Evaluation of the Lattes Curriculum:** This stage will be carried out by the Selection and Admission Committee and will consist of an analysis of the scores filled out and the supporting documents presented by the candidate. The evaluation criteria for this step are explained in item 5 of this Announcement.

4.2.3 **Evaluation of English proficiency.** This step will be carried out by the Selection and Admission Committee and will consist of an analysis of the score filled in and the supporting documents submitted by the candidate. The evaluation criteria for this step are explained in item 5 of this Announcement.

4.2.4 **Annoucement of the final result**

4.2.5 **Appeals:** Requests for reconsideration must be submitted to the Collegiate of the Academic Master's Degree in Systems Engineering, duly formalized at the Program's secretariat, observing the deadlines in this Announcement, on the appropriate form (Annex II) and in accordance with item 10.1.1.

5 THE FORM OF EVALUATION

5.1 The evaluation will be performed according to the procedure described in section 6. The Candidate Score (NC) will be calculated using equation 1.

5.2 **Lattes Curriculum Evaluation (NCL):** The evaluation of the lattes curriculum also includes the evaluation of the academic transcript according to equation 2 of section 6.

5.3 **Evaluation of English proficiency**. English proficiency will be scored for the candidate who presents supporting documentation of English proficiency according to Annex I.

6 THE FINAL CLASSIFICATION

6.1 Each candidate's partial score will be obtained by adding up the points, considering Equation 1:

NC=NCL+NPI   (Equation 1)

NCL= NHE+NC1+NCL2   (Equation 2)

whereby,

NC: Applicant Score

NHE: High School Transcript Score. The NHE is equal to the student's undergraduate transcript score, and the maximum score is 6.0 (Six points). That is, the candidate's EHN will be the lowest value between 6.0 and the candidate's undergraduate transcript score. The NHE is a score between 0 (Zero points) and 6.0 (Six points).

NCL1: Lattes CV score one. The NCL1 is equal to 0.5 (Half point) times the total number of separate items in the scorecard in Appendix I that the applicant presents some proven activity. The NCL1 is limited to 1.5 points. Multiple activities within the same item will not be computed. NCL1 is a score between 0 (Zero points) and 1.5 (One and a half points).

NCL2: Lattes Resume score two. The NCL2 is equal to 0.2 times the sum of the points calculated in the Annex I scorecard with the maximum score in the Annex I scorecard being equal to 10.0 points (Ten points). That is, the NCL2 is a score between 0 and 2.

NPI: English proficiency score. The NPI is equal to 0.5 (Half point) for the candidate who presents supporting documentation of English proficiency according to Annex I, it is equal to 0.0 (Zero points) otherwise.

6.2 Successful candidates who, in descending order of ranking, fill the number of vacancies offered will be selected. The criterion used for ranking the candidates will be the NC score..

6.3 In case of withdrawal of selected candidates, other approved candidates may be called to fill the remaining vacancies, respecting the ranking order.

6.4 In the event of a tie in the NC score between applicants, the age of the applicants will be used as the tie-breaker. The tied candidates will be ranked in descending order of their ages.

7 THE SCHEDULE

7.1 The dates for the registration and its ratification, for the stages of the selection process, as well as for the announcement of the respective results, are shown in the following table:

Contest Dates and Stages

DATE	ESTAGE	HOUR
08/11/2022	Publication of the Announcement	Until 2 pm
12/12/2022 - 23/01/2023	Registration Period	-
03/02/2023	Announcement of Approval of Registrations	Until 2 pm
03/02/2023 - 07/02/2023	Request to Appeal the Approval of Entries	Until midnigt of 07/02/2023
09/02/2023	Disclosure of Approval of Applications After Appeals	Unti 2 pm
10/02/2023 - 13/02/2023	Assessment of Curriculum Lattes and English Proficiency	Until 2 pm
14/02/2023	Partial Result of Curriculum Lattes and English Proficiency	Until 2 pm
14/02/2023 - 15/02/2023	Apeals request	Until midnigt of 15/02/2023
16/02/2023	Disclosure of the Final Result	Until 5 pm
27/02/2023 - 03/03/2023	Enrollment for Semester 2023.1	-

Note: The start of the course will be announced on the program website

8 THE DISCLOSURE OF RESULTS

8.1 The result of the selection to the Academic Master's Degree in Systems Engineering will be announced until February 16th 2023, by means of an official document from the Selection and Admission Committee, in the Master's Office and in the PPGES website, https://w2.solucaoatrio.net.br/somos/upe-ppges.

8.2 The list of approved candidates for the Master's Course will present only their classification. It will not show the grades assigned to them by the Selection Committee and will not list the candidates who failed the selection process or their grades.

8.3 If the expected results are not published on the date defined in item 7.1, the Selection Committee reserves the prerogative to set and publish a new date for the announcement of the results.

9 THE ENROLLMENT OF THE APROVED STUDENTS

9.1 Registration will be in person on the dates set forth in the schedule The registration schedule for each student will be posted on the PPGES website.

9.2 At the time of registration, the approved candidates must present the documents listed in item 3.6.

9.3 If the documents submitted are not originals, they must be notarized and/or by a public servant with ex-officio faith.Authentication can be done by the Secretary at the time of registration.

10 THE APPEALS

9.1 Appeals must be submitted to the Collegiate of the Master in Systems Engineering through the email ppges_secretaria@poli.br, duly formalized, observing the deadlines in this Announcement, after the disclosure of the results of each stage, in the proper form (Annex II).DOCORPODOCENTEDOPROGRAMA

11 THE PROGRAM FACULTY

11.1: Permanent docents

1. Prof. André Luis da Mota Vilela

2. Prof. Carmelo José Albanez Bastos Filho

3. Prof. Daniel Augusto Ribeiro Chaves

4. Prof. Deivson Cesar Silva Sales

5. Prof. Diego José Rátiva Millan (Coordenador)

6. Prof. Erms Rodrigues Pereira

7. Prof. Francisco Madeiro Bernardino Junior

8. Prof. Gilvania Lúcia da Silva Vilela

9. Prof. Gustavo Oliveira Cavalcanti

10. Prof. Jornandes Dias da Silva

11. Prof. Luis Arturo Gómez Malagón

12. Prof. Manoel Henrique da Nobrega Marinho

13. Prof. Marcone IsidoriodeSenaJunior

14. Profª. Maria de Lourdes Melo Guedes Alcoforado

15. Prof. Ricardo Ataíde de Lima (Vice-Coordenador)

16. Prof. Rogério Pontes de Araújo

17. Profª. Rosana Anita da Silva Fonseca

18. Prof. Sérgio Campello Oliveira

19. Prof. Sergio Peres Ramos da Silva

11.2 Collaborating Docentes

1. Prof.MarcílioAndréFélixFeitosa

2. Profª. RitadeCássiaMouradoNascimento

3. Prof.RobertoFelicianoDiasFilho

4. Profª.VeruscaSeverodeLima

12 RESEARCH LINES OF THE ACADEMIC MASTER'S DEGREE IN SYSTEMS ENGINEERING

12.1 The Master of Science in Systems Engineering has two areas of concentration: Cybernetics and Telematics.

12.2 The research lines in the area of Cybernetics are: Sensors/biosensors and signal processing; Modeling and simulation of intelligent and embedded systems, Energy systems.

12.3 The research lines in the area of Telematics are: Digital information processing and transmission; Communication networks.

13 FINAL PROVISIONS

13.1The candidate will be disqualified and automatically excluded from the selection process:

13.1.1 Make false statements or present false documents in any of the selection stages. In this case, the candidate will be subject to the penalties provided by law.

13.1.2 Failure to present all required documentation within the deadlines and under the conditions stipulated in this Tender Protocol.

13.2 The approval of the candidate in the Selection Examination does not guarantee the receipt of a scholarship. The scholarships available will be assigned by the Collegiate of the Graduate Program in Systems Engineering, following the ranking order of the selected candidates.

13.3 Omission cases will be solved by the Selection Committee, the Graduate Program's Collegiate and the Dean's Office for Research and Graduate Studies, according to the Program's regulations and CEPE's Resolution 053/2008, according to their competences.

13.4 Other notices that may be necessary will be posted on the Program's website (https://w2.solucaoatrio.net.br/somos/upe-ppges)

13.5 By enrolling in the selection process, the candidate recognizes and accepts the norms established in this Announcement and in the regulations of the Graduate Program to which he/she is applying.

Recife, October 28, 2022.

Selection Comitte

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Prof.DanielAugustoRibeiroChaves
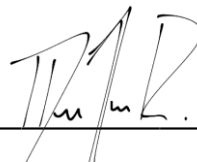
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Prof.GustavoOliveiraCavalcanti

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Prof.LuisArturoGómezMalagón

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Prof.RicardoAtaídedeLima

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Prof.DiegoJoséRátivaMillán
Coordinator of the Graduate Program in Systems Engineering Universidade de Pernambuco

Universidade de Pernambuco (UPE)EscolaPolitécnicadePernambuco(POLI)

ANNEX I

1. Instructions

1.1. Lattes Curriculum Note (NCL). The NCL will be composed by the sum of NHE, NCL1 and NCL2. Points will be assigned to the applicant's Lattes Curriculum according to the scoring table in Annex I and following the calculation described in section 6.1.

1.1.1 Is the candidate's responsibility to indicate, clearly and precisely, the item of the Scorecard in Annex I for which the title is being submitted The Chart must contain the number of titles submitted and be duly signed, with the previous score calculated by the candidate. The Chart must contain the number of titles submitted and be duly signed, with the previous score calculated by the candidate.

1.1.2 Each title will be considered only once. If the title meets more than one requirement, the candidate must choose the one that best meets the requirement.

1.1.3 The candidate must fill in the columns corresponding to the number of titles and their respective scores.

1.1.4 he Selection and Admission Committee will not reclassify the indication made by the candidate for the scoring of titles.Any loss of points due to a wrong indication will be the candidate's responsibility.

1.1.5 ATTENTION: It will only be considered the scores of the items whose supporting documents are ordered, according to the punctuation table in Annex I.

1.2 English proficiency score (NPI). This score will be assigned according to the criteria in item 6.1 of this announcement. The score for this item will be assigned only to candidates who present documentation of English proficiency in the following tests and levels:

Tests	Leel
CEFR(CommonEuropeanFrameworkofReferenceforLanguage)	B1orhigher
CambridgeEnglishScale	140orhigher
IELTS	4orhigher
TOEFLIBT(InternetBased Test)	41orhigher
TOEIC	400orhigher

Documentation proving English proficiency obtained in other tests will not be considered

2. SCORE CHART

	Candidate's name:					
	TABLE OF POINTS ATTRIBUTION FOR THE LATTES CURRICULUM NOTE					
	Item	**Score**	**Maximum limit** (points)	**Number of titles** (Required to be completed by the candidate)	**Total Score** (Required to be filled in by the candidate)	**Validation** (reserved area for the commission)
1	Monitor approved by public notice (Professional disciplines in Engineering)	0,5 (per semester)	2,0			
2	Project of Scientific Initiation or Extension Project (approved by edict)	2,0 (per semester)	6,0			
3	Full paper published or accepted in A1-A4* journal	5,0 (per article)	10,0			
4	Full paper published or accepted in a B1-B4* journal	2,0 (per article)	10,0			
5	Full paper published in international congress	2,0 (per article)	6,0			
6	Full paper published in national congress	1,0 (per article)	3,0			
7	Academic exchange fostered by HEI in an undergraduate course	1,0 (persemester)	2,0			
8	Presentation of papers in scientific events	0,5 (for participation)	1,0			
9	Professional Activity	0,5 (per semester)	2,0			
10	Company Internships	0,5 (per semester)	2,0			
11	Specialization courses with more than 360 hours	3,0 (per course)	6,0			
12	Short term further education courses	0,2 (per course)	1,0			
13	Subjects with a grade higher than 7.0 (seven) attended in a Stricto Sensu Stricto Sensu Post-graduation	1,0 (per disciplin)	3,0			
				TOTAL		

*Attach proof of CAPES on the most recent journal qualification available, for Engineering IV
(https://sucupira.capes.gov.br/sucupira/public/consultas/coleta/veiculoPublicacaoQualis/listaConsultaGeralPeriodicos.jsf)

ANNEX II - APPEAL MODEL

CANDIDATE NAME: _____

JUSTIFICATION OF THE CANDIDATE

Recife-PE,_____de_____de_____

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Signature of Applicant