



UNIVERSITY OF CAMPINAS  
SCHOOL OF MECHANICAL ENGINEERING  
Rua Mendeleiev, 200 – Cidade Universitária  
CEP: 13083-860 – Campinas-SP

<https://www.fem.unicamp.br/index.php/pt-br/cpg-em>  
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## NOTICE OF SELECTION OF REGULAR STUDENTS FOR THE GRADUATE PROGRAM IN PETROLEUM SCIENCE AND ENGINEERING - MASTER'S AND DOCTORATE COURSES

### 1<sup>st</sup> SEMESTER OF 2025

The Coordination of the Graduate Program in Petroleum Science and Engineering, by its Regulation, announces the opening of the Selection Process for the Master's and Doctorate Courses for admission in the first semester of 2025. The Graduate Committee approved the Selection Notice on September 30, 2024.

#### I – PREREQUISITES

Candidates who have graduated with a degree in one of the following courses are eligible to enroll as regular students in the Graduate courses in Petroleum Science and Engineering: Petroleum, Mechanical, Electrical, Control and Automation Engineering, Chemistry, Civil, Naval and Oceanic and Mining, Geology, Geophysics, Physics or Mathematics. The Program Committee will analyze the admissibility of candidates who graduated from other courses.

To complete the application, the candidate must contact the professor in the research line of interest and obtain the approval of the aforementioned Professor/Program Advisor.

#### II – APPLICATIONS

The candidate must carefully read all the information contained in this announcement, as failure to follow correct procedures may invalidate the application.

The application must be submitted online through the FEM System.

In addition to the required documentation, the candidate must complete the "objective" field, making clear the reasons for his/her interest in the Graduate Program in Petroleum Science and Engineering.

#### III – REGISTRATION DOCUMENTS

Required documentation:

- Mandatory registration form from the Academic Board (DAC): the candidate must access the website below, fill out the form, save it in PDF format and attach it to the FEM System:  
[https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar\\_login\\_candidato.xhtml?code=1497038006922](https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml?code=1497038006922)



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- Undergraduate Diploma or Certificate of Completion of Undergraduate Course (for all candidates). Candidates without an undergraduate diploma must attach, during the registration period, the Certificate of Completion or a Declaration of Possible Graduate with Expected Completion Date issued by the College or Higher Education Institution, with the probable completion date;
- Master's Degree Diploma or Declaration with Expected Date for Defense of Master's Dissertation (only for doctoral candidates);
- Complete Undergraduate Academic Transcript (for all candidates);
- Master's Academic Transcript (only for PhD candidates);
- Curriculum Vitae (preferably a curriculum vitae from the Lattes-CNPq platform);
- Letter(s) of Recommendation (specific template available on the application form);
- Summary of the Work Plan, developed together with the advisor. The work plan summary must be no longer than five pages and include the objective and schedule. NOTE: The summary of the plan may be written in English;
- GRE - Graduate Record Examination (mandatory for candidates who are applying for scholarships and will not be able to take the entrance exam) – valid for five years;
- Self-declaration in accordance with Annex I for candidates opting for scholarships reserved for black, brown or indigenous people (PPI).

Documents must be attached in PDF format to the F.E.M. System within the registration period.

**Candidates who do not attach the documentation within the registration period will be rejected.**

#### IV – CALENDAR

Applicant Registration <b>DAC/SIGA System and FEM System</b>	<b>October 7<sup>th</sup> to 29<sup>th</sup>, 2024</b>
Potential Supervisor Pre-Selection	<b>November 5<sup>th</sup> to 18<sup>th</sup>, 2024</b>
Email Calling for the Entrance Exam	<b>November 19<sup>th</sup>, 2024 from 02:00 pm</b>
Remote Entrance Exam	<b>November 22<sup>nd</sup>, 2024</b>
E-mail with announcement of the Selection Process Result	<b>December 16<sup>th</sup>, 2024 from 02:00 pm</b>



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Deadline for Appealing the Result of the Selection Process	<b>From the announcement of the result until 5:30 pm on December 18<sup>th</sup>, 2024</b>
Judgment of Appeals and Disclosure of results	<b>December 19<sup>th</sup>, 2024</b>
Announcement of the Final Ranking of the Entrance Exam on the website	<b>December 20<sup>th</sup>, 2024</b>
Confirmation of Supervision by Candidate	<b>December 20<sup>th</sup>, 2024 to January 6<sup>th</sup>, 2025</b>
Enrollment (carried out by secretary)	<b>February 3<sup>rd</sup>, 2025</b>
Enrollment in disciplines (Enrollment instructions will be sent by e-mail)	<b>February 3<sup>rd</sup> to 7<sup>th</sup>, 2025</b>
Supplementary Enrollment	<b>February 24<sup>th</sup>, 2025</b>
Enrollment in Disciplines for students entering in supplementary process	<b>March 9<sup>th</sup> to 12<sup>th</sup>, 2025</b>
Start of Classes	<b>February 24<sup>th</sup>, 2025</b>

**Note:** Candidates who do not complete any of the phases described above will be disqualified from the selection process.

## V – SELECTION AND CLASSIFICATION

The process consists of analyzing the candidate's resume, academic record, work plan and performance in the entrance exam administered at Unicamp or GRE (in the case of a candidate who will apply for a scholarship from the Program).

According to the registration calendar, the candidate's final classification will be published on the Program's website.

According to the registration calendar, the candidate's final ranking will be published on the Program's website.

Approval of the candidate does not guarantee the right to enter the Program with a scholarship.



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## **VI – VACANCIES**

The Graduate Program in Petroleum Science and Engineering offers approximately 15 vacancies, and this number may be smaller or larger, depending on the availability of professors during the period.

Once the selection process is over, there will be no period for additional selections and/or further calls for candidates.

## **VII – AFFIRMATIVE ACTION POLICIES**

The Graduate Program in Petroleum Science and Engineering, in compliance with Resolution CONSU-A-017/2023 of 01/08/2023, establishes, based on affirmative action policies, that a fraction of the Graduate scholarships from the Program's CAPES quota will be allocated to students who self-declare as black, brown or indigenous (PPIs) at the time of registration in this selection process. As item VIII of this Notice describes, the available scholarships will be distributed based on the candidates' classification in the Entrance Exam.

## **VIII – SCHOLARSHIPS**

When filling out the application, the candidate must express interest in the Program's scholarship. In this case, the candidate must take the entrance exam and/or submit the GRE (Graduate Record Examination) within the application period. To compete for the Program's scholarship, the candidate must have a minimum score of 40% on the Entrance Exam and/or GRE.

The candidate's approval does not automatically guarantee a scholarship from the Program.

. It will depend on the quota made available by the funding agencies and the students' demand. The available scholarships will be distributed based on the candidates' final classification. The order of allocation and waiting for scholarships are defined as follows:

1st scholarship available – awarded to the 1st place of those approved by broad competition;

2nd scholarship – awarded to the first place of those approved who self-declared as PPIs;

3rd scholarship – awarded to the 2nd place of those approved by broad competition;

4th scholarship – awarded to the 3rd place of those approved by broad competition;

5th scholarship – awarded to the 4th place of those approved by broad competition;

6th scholarship - awarded to the second place of those approved who self-declared as PPIs;

Thus, until the scholarships are exhausted.

Candidates who are not awarded the course entrance scholarship may participate in the selection exam in the following semester and compete again for a scholarship quota from the Program.



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## IX – ADMISSION EXAM

The remote entrance exam is mandatory for those who wish to compete for a scholarship quota from the Program, even if already enrolled. It will be held remotely, and candidates will receive instructions by email. The entrance exam may be replaced by the Graduate Record Examination – GRE, provided that it is attached when completing the application. The minimum and maximum scores obtained in the respective exams will be used to standardize the scores and determine their correspondence.

The candidate who takes the entrance exam or presents the GRE) will have priority for the Program's scholarship.

The entrance exam will consist of a test with questions covering basic knowledge in the areas of Physics, Mathematics, and Geology. The topics of each area and the bibliography are listed below:

### Physics:

- Systems of Units and Dimensions;
- Newton's Laws;
- Statics and Dynamics;
- Work and Energy;
- Conservation of Energy;
- Linear Momentum and Conservation;
- Angular Momentum and Conservation;
- Rotation of Rigid Bodies;
- Linear Oscillations;
- Waves in Elastic Media;
- Fluid Mechanics;
- Temperature and Heat;
- Laws of Thermodynamics.

### Mathematics:

- Differential and Integral Calculus;
- Ordinary Differential Equations;
- Laplace Transform;
- Fourier Series;
- Partial Differential Equations.

### Geology:

- Introduction to Geology: Minerals and Rocks;
- Structure of the Earth and Main Geological Phenomena Acting on the Earth's Crust;



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- Origin, Properties, and Classification of Rocks;
- Igneous, Sedimentary and Metamorphic Rocks;
- Global Tectonics;
- Origin and Evolution of Sedimentary Basins;
- Concept of Sedimentary Facies;
- Depositional Environments and Systems;
- Brazilian Sedimentary Basins.

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### **X – PUBLICATION OF RESULTS**

The selection process results will be announced to candidates via email, according to the calendar.

### **XI – ENROLLMENT**



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After being approved in the selection process, candidates must enroll in the SIGA/DAC system.

## **XII – FOREIGN STUDENTS**

Foreign candidates approved in the selection process must provide the following documents to complete their enrollment:

- Passport: identification page and visa stamp for entry into Brazil;
- Undergraduate Diploma (for Master's students) and Undergraduate and Master's Degree (for Doctorate students): consularized/apostilled (authenticated by the Brazilian embassy or through the Apostille Convention for use in member countries).
- Translation of the Diploma(s) into Portuguese by a Sworn Translator;
- CRNM (National Migration Registration Card): generally obtained after the student has entered Brazil. The appointment protocol with the Federal Police will be accepted;
- C.P.F. (Individual Taxpayer Registry): obtained when the student enters Brazil.



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## ANNEX I – ETHNIC-RACIAL SELF-DECLARATION FORM

I, the undersigned, \_\_\_\_\_, Passport nº \_\_\_\_\_, DECLARE MYSELF \_\_\_\_\_ (black, mixed race, indigenous), for the specific purpose of complying with Item VIII of the Selection Notice for regular students for the Graduate Program in Petroleum Science and Engineering – 1st semester of 2025, of the School of Mechanical Engineering of UNICAMP, which establishes the Affirmative Action Policies. I also declare that I am aware that if this declaration is proven to be false, the classification will be rendered ineffective, which will imply cancellation of the option for scholarship reservations, in addition to which I will be subject to the penalties provided for in the Brazilian Penal Code, in its article 299, which deals with the crime of ideological falsehood.

\_\_\_\_\_ (place), \_\_\_\_\_ of \_\_\_\_\_, 2024.

\_\_\_\_\_  
Signature of the candidate