



## REGULAR GRADUATE ADMISSIONS – 2<sup>st</sup> SEMESTER/2022

Approved: CPG/FEQ 27/2022. April 19<sup>th</sup>/2021

The Board of Graduate Studies of the School of Chemical Engineering of the University of Campinas calls the public notice concerning the application for the graduate program in Chemical Engineering. The current document comprises the terms and conditions for the selection process of candidates to be admitted as regular students in the master and doctorate program of graduate studies in Chemical Engineering (PPG-EQ) for the 2<sup>st</sup> semester of 2022.

### 1. APPLICANTS

Professionals with a degree in Chemical Engineering or in a related field of science in accordance with the policy stated in the legal term 16 of the General Statute of Graduate Studies from Unicamp (University of Campinas).

### 2. RESEARCH AREAS

1. Bioprocess and bio-resources science and engineering
2. Materials science and technology
3. Process automation and control
4. Education in chemical engineering
5. Environmental Engineering
6. Chemical reaction engineering
7. Transport phenomena, particulate systems and porous media
8. Separation processes
9. Process synthesis, analysis and optimization
10. Thermodynamics

Additional information and research interests of individual professors from the graduate program as well as their respective departments can be found at:

<httphttps://ppg.feq.unicamp.br/es/english/research-lines>.

### 3. AVAILABLE POSITIONS

3.1 - For admission to the Masters Course, in the second semester of 2022, up to 53 places will be offered;

3.2 - For admission to the Doctorate Course, in the second semester of 2022, up to 39 places will be offered;

3.3 – The positions offered for Masters and Doctorate Courses are subjected to the topics related to the research areas listed in item 2.

## 4. APPLICATION DEADLINES

### **02/05 to 30/06/2022**

Documentation submission to the Admission Graduate Office of the School of Chemical Engineering, by e-mail.

### **11/07/2022**

Notification of the selection of applicants.

### **12 to 15/07/2022 until noon**

Deadline to file a claim concerning the selection of applicants, which must be submitted to the Graduate Office of FEQ/UNICAMP by the e-mail [gazotti@unicamp.br](mailto:gazotti@unicamp.br) (you must fill the subject field as follows "Recurso ao Processo de Seleção de Estudante Regular na Pós-graduação").

### **18/07/2022**

Decision concerning the filled claims.

### **12 to 19/07/2022**

Period for confirmation of interest in the selection result by candidates. To confirm, the candidate must send an e-mail to [gazotti@unicamp.br](mailto:gazotti@unicamp.br) with the term "manifestação de interesse" in the subject field.

### **21/07/2022**

Second call of candidates by order of classification.

### **28/07 to 01/08/2022**

Enrollment in the course modules offered in the 2<sup>st</sup> term of 2022.

### **15/08/022**

Supplementary enrollment in the course modules offered in the 2<sup>st</sup> term of 2022.

### **15/08/2022**

Beginning of 2<sup>st</sup> term of 2022.

## 5. SUPPORTING INFORMATION ON ENROLMENT

### 5.1 – Application deadline

5.1.1 - From **01/05 to 30/06/2022** the applicant should access the website [https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar\\_login\\_candidato.xhtml](https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml) to fill the application forms. The filling of the form must be in accordance with the instructions provided in the website. Once the application form has been completed, an electronic PDF file will be generated. The applicant must print the form and sign it.

5.1.2 – All supporting documents might be sent to the Secretary of the Graduate Program in Chemical Engineering at FEQ (e-mail: [gazotti@unicamp.br](mailto:gazotti@unicamp.br)) in the sequence defined in item 5.2.2 (for Masters candidates) and in item 5.3.2 (for Doctorate candidates), and compiled into a single file in PDF format, with subject in the forwarding message containing the term "Process\_Selective\_Regular\_2022S2 - Full Name of Candidate".

5.1.3 - The Graduate Program in Chemical Engineering will not receive documents after the deadline. The only way of sending the documents is to the e-mail address indicated in section 5.1.2.

## 5.2 – Applying for the master program

5.2.1 – The applicant should select one department to apply for.

5.2.2 – The following supporting documentation is required:

- I Application form filled and signed in accordance with the guideline available: [https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar\\_login\\_candidato.xhtml](https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml). Please bear in mind that the application form is only available during the application period. Refer to section 5.1.1.
- II [Supplementary Information Form](#).
- III Copy of the undergraduate academic transcript comprising all course modules and marks including any failed course module. Copy of the undergraduate certificate (should the certificate not be available at the time of application, please provide an official statement highlighting the likely graduation date). **If the GPA obtained during the Undergraduate course is not available in the transcripts, the candidate must present a statement issued by the Educational Institution with this information.**
- IV Copy of the identification document with photo (ID, licence driver, passport).
- V Copy of passport /RNE.
- VI Academic Curriculum filled in the Lattes database, as described in the link <http://lattes.cnpq.br> .
- VII Proof of academic activities: first page of any published scientific work (displaying information on authorship and publication vehicle identification), as well as evidence of academic activities (participation in junior research project, teaching assistance activities, participation in exchange programs abroad and professional activity, among others). Please do not include copies of certificates of participation in any academic or professional meetings or trainings.
- VIII An official document stating the rank position in the class in which the applicant has completed the undergraduate course (if available).
- IX A cover letter addressing the following question: Why are you interested in pursuing your graduate degree at the School of Chemical Engineering – Unicamp and what is your motivation for it? (Please limit your text to a minimum of 50 words and no more than 100 words).
  - **The Graduate Admission Office checks the application form and the submitted documentation for evidence of fraud. If you submit fraudulent documentation at any stage in the admission process, you will be notified accordingly and your application will be withdrawn.**
  - **Incomplete documentation will not be considered and in this case, the applicant is not entitled to file a claim.**

## 5.3 – Applying for the doctorate program

5.3.1 – The applicant must previously contact the potential supervisor. Should the applicant be accepted by the supervisor, it is required an official statement from the supervisor. The applicant is required to indicate the department in which the supervisor is assigned. All information must be provided in the application form (document II. Section 5.3.2).

5.3.2 - The following supporting documentation is required:

I - Application form filled and signed in accordance with the guideline available at: [https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar\\_login\\_candidato.xhtml](https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml). Please bear in mind that the application form is only available during the application period. Refer to section 5.1.1.

II - [Supplementary Information Form](#).

III - Copy of the undergraduate academic transcript comprising all course modules and marks, including any failed course module.

IV - Copy of undergraduate certificate.

V - Copy of the graduate transcript (master program) comprising all modules and grades, including any failed module. Copy of the graduate certificate (should the certificate not be available at the time of application, please provide an official statement highlighting the dissertation defense date). **If the GPA obtained during the Graduate course is not available in the transcripts, the candidate must present a statement issued by the Educational Institution with this information.**

VI - Copy of identification document with photo (ID, license driver, passport).

VII - Copy of passport /RNE.

VIII - Academic Curriculum filled in the Lattes database, as described in the link <http://lattes.cnpq.br>.

IX - Evidence of at least one scientific publication such as in: an indexed journal, complete publication at conference proceedings, book chapter or patent submission. Please provide copy of the first page of any publication comprising authors' identification and name of the journal. In case the work is only submitted to publication in scientific journal or patenting, please provide evidence of submission. It is important to bear in mind that the submission must be related to the master dissertation. The candidate is also required to provide evidence of academic activities (participation in junior research project, teaching assistance activities, participation in exchange programs abroad and professional activity, among others). Please do not include copies of certificates of participation in any academic or professional meetings or trainings.

X - Cover letter that must be handwritten addressing the following question: Why are you interested in pursuing your graduate degree at School of Chemical Engineering – Unicamp and what is your motivation for it? (Please limit your text to a minimum of 50 words and no more than 100 words).

- **The Graduate Admission Office checks the application form and the submitted documentation for evidence of fraud. If you submit fraudulent documentation at any stage in the admission process, you will be notified accordingly and your application will be withdrawn.**
- **Incomplete documentation will not be considered and in this case, the applicant is not entitled to file a claim**

## 6. SELECTION PROCESS

The selection process will be managed by the Board of Graduate Studies of the School of Chemical Engineering (UNICAMP). The process will be conducted in accordance with the following rules and procedures:

### 6.1 – Entry requirements for the master program

6.1.1 – The selection process will be conducted in two stages.

6.1.2 - The first stage is the screening phase of the process. The applicant who does not submit the following documents will be withdrawn:

- Complete set of documents as described in section 5.2.2.
- Supplementary Information Form fully filled.

6.1.3 - The second stage is eliminatory (based on a cutting score), as well as has the purpose of ranking the candidates. The ranking of the applicants will take place in each department of the School of Chemical Engineering. The scores will be calculated in accordance with the following expression that takes into account academic and professional activities:

$$Score = 0,9 * (CR * Fator CPC * NS) + \left( \frac{3 * IC + P + EE + EP}{6} \right) - 1 * f \quad (\text{Equation 1})$$

Where

$$n \leq 3 \rightarrow f = 0$$

$$3 < n \leq 5 \rightarrow f = 1$$

$$5 < n \leq 8 \rightarrow f = 1,5$$

$$8 < n \leq 10 \rightarrow f = 2$$

Where **n** is the number of failures. **Candidates with more than 3 failures must present a justification that will be evaluated by the CPG, which may or may not accept the application.**

Academic criteria: 90% of the score, considering:

- CR - (GPA), normalized to the range from 0 to 10;
- Factor CPC - Ranking position of the university at which the applicant attended his previous course (most recent data made available by MEC, available at the link: <https://www.gov.br/inep/pt-br/aceso-a-informacao/dados-abertos/indicadores-educacionais/indicadores-de-qualidade-da-educacao->, or in duly weighted related indexes). Classify the range as follows: Courses with grades 4 and 5: CPC factor = 1; Courses with grade 3: CPC factor = 0.7; Courses with grade 2: CPC factor = 0.4;

- Similarity level (NS) of the applicant undergraduate course to the chemical engineering course syllabus: 1.0 for Chemical Engineering; 0.95 for high level of similarity (i.e: Mechanical Engineering); 0.9 for intermediate level of similarity (i.e: Bachelor degree in Chemistry); 0.8 for courses with lower level of similarity such as Biology. Courses without similarity will be analyzed on a case-by-case basis (assigning NS lower than 0.8).

Professional criteria: 10% of the score, considering:

- Participation in junior research project (IC) for a minimum time of twelve months; 1 if the applicant qualifies or 0 if the applicant does not qualify;
- Scientific publications (P), including national and international journals or full publication in congress proceedings or patent submission: 1 if the applicant qualifies or 0 if the applicant does not qualify;
- Experience abroad (EE), for a minimum time of 6 months. Academic exchange program, internship or full job as Chemical Engineer or as other related professional: 1 if the applicant qualifies or 0 if the applicant does not qualify;
- Professional experience (EP) in the field of Chemical Engineering or in area related to that, considering a minimum period of 6 months, including teaching supervision, teaching, industrial experience and extracurricular internship: 1 if the applicant qualifies or 0 if the applicant does not qualify;

6.1.4 – Cutting score: 6.0 (six points).

6.1.5 – Applicants whom English is not the first language are requested, **at the enrollment**, to present a certificate of proficiency in English. With the exception of those who have already resided for 6 months or more in English speaking countries (who must provide evidence), be aware of the content of [Normative Instruction CPG/FEQ nº 05/2021](#)

## 6.2 - Entry requirements for doctorate program

6.2.1 – The selection process will be conducted in two stages. The first stage is the screening phase of the process. The applicant who does not submit the following documents will be withdrawn:

- Complete set of documents as described in section 5.3.2;
- Supplementary Information Form fully filled;
- GPA in the Master Program lower than 6.0 (six), normalized to the range from 0 to 10;
- Official acceptance statement provided by the supervisor. The document must be signed as instructed in the Supplementary Information Form.

The second stage is the ranking phase. The ranking score will be calculated in accordance with following expression that takes into account academic and professional activities:

$$Score = 7,5 \left( \frac{1,5CR}{10} + \frac{CAPES}{7} \right) \frac{NS}{2,5} + 2,5 \left( \frac{3API+TCC+EE+EP+2PAT}{8} \right) \text{ Ecuation 2}$$

Academic criteria: 75% of the score, considering;

- CR - (Graduation GPA), normalized to the range from 0 to 10;
- CAPES ranking for the graduate program or duly weighted correlated indexes;
- Similarity level (NS) of the applicant undergraduate course to the chemical engineering course syllabus: 1.0 for Chemical Engineering; 0.95 for high level of similarity (i.e: Mechanical Engineering); 0.9 for intermediate level of similarity (i.e: Bachelor degree in Chemistry); 0.8 for courses with lower level of similarity such as Biology. The level of similarity continues to decrease in accordance with the similarity among the course modules of the undergraduate program.

Professional criteria: 25% of the score, considering;

- Scientific publications (API) in indexed journal: 1 if the applicant qualifies or 0 if the applicant does not qualify;
- Full publication in congress proceedings (TCC): 1 if the applicant qualifies or 0 if the applicant does not qualify;
- Experience abroad (EE), for a minimum time of 6 months. Academic exchange program, internship or full job as Chemical Engineer or as other related professional: 1 if the applicant qualifies or 0 if the applicant does not qualify;
- Professional experience (EP) in the field of Chemical Engineering or in area related to that, considering a minimum period of 6 months, including teaching supervision, teaching, industrial experience and extracurricular internship: 1 if the applicant qualifies or 0 if the applicant does not qualify;
- Patent (registered or submitted) as well as software registration (PAT): 1 if the applicant qualifies or 0 if the applicant does not qualify.

Cutting score: 6.0 (six points)

6.2.2 – Applicants whom English is not the first language are requested, **at the enrollment**, to present a certificate of proficiency in English. With the exception of those who have already resided for 6 months or more in English speaking countries (who must provide evidence), be aware of the content of [Normative Instruction CPG/FEQ nº 05/2021](#)

## 7. SPECIAL CASES

7.1 – The following applicants will be considered as special cases and will be previously approved by the PPG-EQ:

I – Students from the “Programa Integrado de Formação” (PIF) from the Chemical Engineering undergraduate courses of Unicamp. This group of students is previously selected.

II – Students that have been previously selected under the category “special student” and also have completed 15 credits of the PPG-FEQ program. It is also required a minimum CR of 3.0 and an assigned supervisor as well as a research area. The applicant is also required to fulfill the criteria from the screening stage (first phase) of selection process as described in section 6.1.2.

III – Master and doctorate students who have completed the required time to graduate and are claiming new enrollment in order to defend the dissertation or thesis in accordance with term 15 of General Statute of Graduate Studies, CONSU-A\_010/2015.

IV – Enrollment claim for direct doctorate will be considered in accordance with the CPG/FEQ

requirements.

## 8. LIST OF SELECTED CANDIDATES AND QUERIES

8.1- The list of selected candidates will be available at: <https://ppg.feq.unicamp.br/resultado-matricula/>

8.2 - The selected candidates must confirm formally their interest in the position by email, as established in item 4 - calendar. The non-confirmation of interest implies the loss of the position and calling of supplementary candidates.

8.3 - The list of selected candidates will not be provided by telephone or any means other than the website.

8.4 – The claim/query must enclose the candidate's full name, identification document number, full address, phone number and e-mail. The claim must comprise a clear questioning followed by relevant argumentation. Must be e-mailed to [gazotti@unicamp.br](mailto:gazotti@unicamp.br). The subject must be "Recurso ao Processo de Seleção de Estudante Regular na Pós-graduação". Please bear in mind that the e-mail must be sent no later than 1700hs (Brasilia time zone), on July 15<sup>th</sup>

8.4.1 - The result of the analysis of the claim/query will be sent by e-mail.

## 9. GENERAL NOTES

9.1 - The applicant who enrolls himself in the current selection process accepts the terms and conditions as stated in this document, as well as any in previous and future communications which are publically called.

9.2 - There is no guarantee whatsoever that scholarships funded by the Brazilian government (CAPES and CNPq) will be available for the selected candidates.

9.3 - Enrollment information is available at the website (<http://www.feq.unicamp.br/index.php/pos-graduacao-lateral/matricula-pos>). Please check the website for required documentation, deadlines and internal procedures.

9.4 - Any particular situation not covered in this public call notice will be addressed by the Board of Graduate Studies PPG-EQ.

Campinas, April 19<sup>th</sup> of 2022.

Head of Graduate Studies in Chemical Engineering.