

2024/2025 ACADEMIC YEAR

INFORMATION FOR APPLICATIONS

| | | | | |
|-----------------------|--|---------------|--|--|
| Cycle of Studies (CS) | Second Cycle | | Ciclo de Estudos | |
| Chemical Engineering | | | Engenharia Química | |
| Organisational unit | Organisational Unit(s)/University(ies) in association | | Location of CS edition (if in association) | |
| FEUP | | | | |
| Functioning | | | | |
| Daytime | | | | |
| Contact Person | E-mail | Phone | CS Director | E-mail |
| Joana Sottomayor | jsottomayor@fe.up.pt | 351-22-413666 | Fernão Magalhães | fdmagalh@fe.up.pt |

Places

| Places established in the accreditation process | | | | 145 |
|---|-------|-----------------------|-----------------------|-----------------------|
| Places | TOTAL | 1 st Phase | 2 nd Phase | 3 rd Phase |
| (If applicable) number of IS and NS places | 92 | 10 | 77 | 5 |
| Does it include leftover places? | | | Yes | Yes |

Minimum number of students

| | |
|--|----|
| Minimum number of students for the cycle of studies to operate | 20 |
|--|----|

Calendar NS + IS

| | 1 st Phase | | 2 nd Phase | | 3 rd Phase | |
|---|-----------------------|------------|-----------------------|------------|-----------------------|------------|
| | Beginning | End | Beginning | End | Beginning | End |
| Submission of applications | 09-01-2024 | 01-02-2024 | 18-03-2024 | 18-04-2024 | 06-08-2024 | 14-08-2024 |
| Application review | 02-02-2024 | 20-02-2024 | 19-04-2024 | 24-05-2024 | 16-08-2024 | 02-09-2024 |
| Posting of provisional results | 21-02-2024 | | 27-05-2024 | | 03-09-2024 | |
| Prior hearing | 22-02-2024 | 06-03-2024 | 28-05-2024 | 12-06-2024 | 04-09-2024 | 17-09-2024 |
| Posting of final results | 13-03-2024 | | 17-06-2024 | | 20-09-2024 | |
| Submission of complaints | 14-03-2024 | 04-04-2024 | 18-06-2024 | 09-07-2024 | 23-09-2024 | 11-10-2024 |
| Publishing of decision about complaints | 11-04-2024 | | 22-07-2024 | | 18-10-2024 | |
| Enrolment | 18-03-2024 | 26-03-2024 | 20-06-2024 | 06-08-2024 | 23-09-2024 | 27-09-2024 |
| Admission of non-placed applicants | 02-04-2024 | 09-04-2024 | 07-08-2024 | 12-08-2024 | 30-09-2024 | 06-10-2024 |
| Publishing of leftover places | 16-04-2024 | | 13-08-2024 | | | |

Procedure for notifying candidates

The results will be published in the form of a notice on the Faculty's website.

The e-mail address provided in the application process will be used as a supplementary means of publishing the results.

Credit transfer regarding training and work experience

Deadlines for credit transfer regarding training and work experience

| | 1 st Phase | 2 nd Phase | 3 rd Phase |
|--|---|---|---|
| Submission of request | On application and on enrolment | On application and on enrolment | On application and on enrolment |
| Publishing of results | Up to 15 working days after the end of the enrolment period or the end of the credit transfer process | Up to 15 working days after the end of the enrolment period or the end of the credit transfer process | Up to 15 working days after the end of the enrolment period or the end of the credit transfer process |
| Change of enrolment resulting from the credit transfer process | Up to 10 working days after the publishing of the credit transfer results | Up to 10 working days after the publishing of the credit transfer results | Up to 10 working days after the publishing of the credit transfer results |

Calendar for the academic year

| | 1 st Semester | 2 nd Semester |
|---|--------------------------|--------------------------|
| Beginning of the academic year at U. Porto | 16/09/2024 | 10/02/2025 |
| Beginning of the lecturing activity in the Cycle of Studies | 23/09/2024 | 12/02/2025 |
| End of the lecturing activity in the Cycle of Studies | 20/12/2024 | 30/05/2025 |
| Deadline for completion of evaluation | 07/02/2025 | 11/07/2025 |
| Deadline for completion of evaluation in the Cycle of Studies | 07/02/2025 | 11/07/2025 |

Access Conditions and Ranking Criteria

Specific conditions to access the Cycle of Studies

Applicants who may apply for a Master's programme at FEUP are those who are:

- 1) Holders of a bachelor's degree (or legal equivalent) in the area of Chemical Engineering (or similar area deemed appropriate by the Scientific Committee of the Cycle of Studies¹);
- 2) Holders of a foreign higher academic degree in the area of Chemical Engineering (or similar area deemed appropriate by the Scientific Committee of the Cycle of Studies¹) conferred following a 1st cycle of studies organised in accordance with the principles of the Bologna Process by a country adhering to this Process;
- 3) Holders of a foreign higher academic degree in the area of Chemical Engineering (or a similar area deemed appropriate by the Scientific Committee of the Cycle of Studies¹) with a duration of, at least, 3 academic years;
- 4) Holders of an academic, scientific or professional curriculum in the area of Chemical Engineering (or similar area deemed appropriate by the Scientific Committee of the Cycle of Studies¹), including:
 - a) applicants whose bachelor's degree is pending the administrative closure of a mobility process that has already been completed, and who are in a position to obtain their bachelor's degree by the end of the enrolment deadline of the respective application phase, regardless of their HEI of origin. These applicants will lose their right to their place within the competition in question if they are unable to enrol by the deadline;
 - b) "*students about to graduate from a bachelor's degree*" who are in a position to obtain their bachelor's degree by the end of the enrolment deadline of the respective application phase, regardless of their HEI of origin. These applicants will lose their right to their place within the competition in question if they are unable to enrol by the deadline;
 - c) applicants who, not being covered by paragraphs a) or b), are holders of an academic, scientific or professional curriculum that is recognised by FEUP's statutorily competent scientific body as attesting to their ability to complete the cycle of studies they are applying for.

Proficiency in English is recommended, as this is the language in which this cycle of studies is taught.

Criteria and subcriteria for selection and ranking of applicants

Weightings

Applicants will be ranked in descending order of their Final Mark (CF), based on the weighted average of the following: Application Average Grade (MC), Adequacy of Previous Training (AF) and Prestige of the Educational Establishment (PEE).

The Final Mark (CF) is rounded to the nearest hundredth.

¹ The areas considered similar to Chemical Engineering are Bioengineering, Biochemical Engineering or related scientific areas: Biological Engineering, Biomedical Engineering, Materials Engineering, Polymer Engineering, Environmental Engineering, Petroleum Engineering, Industrial Chemistry, Chemical Technology, Petroleum Technology - Refining branch. Eligibility in other cases is subject to curricular analysis.

| | |
|--|------|
| <p>a) The Application Average Grade (MC), expressed on a scale of 10 to 20 points, rounded to the nearest unit, represents the applicant's final bachelor's degree mark (180 ECTS) or their current average at the time of application in the case of graduates or <i>students about to graduate from a bachelor's degree</i>, respectively.</p> | 0,55 |
| <p>b) The Adequacy of Previous Training (AF) of the applicant should consider the following components:</p> <ol style="list-style-type: none"> i. The Adequacy of the Degree (AC), represents the assessment of the course directors of the "<i>degree of coverage in fundamental scientific areas</i>" provided by the syllabus of the (fundamental) degree of origin, expressed on a scale of 10 to 20 points, rounded to the nearest unit; ii. Applicants who hold more than one higher academic degree (or who have a diverse prior educational background that is highly relevant to the cycle of studies they are applying for) may have the Adequacy of their Degree increased by up to 4 points. <p>The Adequacy of Previous Training (AF), expressed on a scale rounded to the nearest unit and limited to 20 points, should be calculated using the following formula:</p> $AF = AC + [0...4]$ | 0,25 |
| <p>c) The Prestige of the Educational Establishment (PEE) represents the quality and prestige of the applicant's home educational institution, and is assessed using the latest available edition of the <i>QS</i> ranking ⁽¹⁾ for the scientific area of Engineering in question (or <i>Webometrics</i> ⁽²⁾, if the HEI is not included in the <i>QS</i> ranking), converting the HEI's position in the respective ranking (<i>POS_QS</i> or <i>POS_Web</i>) to a scale of 10 to 20 points, rounded to the nearest unit, as follows:</p> <ol style="list-style-type: none"> i. if the HEI is included in the <i>QS</i> ranking, institutions in the 1st quartile (1stQ) have a <i>PEE</i> equal to 20 points, those in the 2ndQ have 19 points, those in the 3rdQ have 18 points and those in the 4thQ have 17 points; ii. if the HEI is only included in the <i>Webometrics</i> ranking, then the <i>PEE</i> parameter will have a value between 10 and 16, according to the following formula ⁽³⁾: $PEE = \begin{cases} 16 & , POS_Web \leq 1000 \\ \left[20 - \frac{POS_Web}{200} \right] & , 1000 < POS_Web \leq 2000 \\ 10 & , POS_Web > 2000 \end{cases}$ <ol style="list-style-type: none"> iii. if the HEI is not included in any of the rankings considered above, then: <i>PEE</i> = 10 | 0,20 |

Only applicants with a minimum Final Mark (CF) of 14 points (on a scale of 10 to 20) will be admitted.

Tie-breaking criterion (may be the classification in some of the elements in the table above)

In the event of any ties with an impact on the admission (or non-admission) of applicants, the following criteria will be considered sequentially:

- a) Arithmetic average, rounded to the nearest hundredth, of the applicant's marks in four curricular units taken during their academic path:
 - 1st curricular unit taken in Mathematical Analysis
 - 1st curricular unit taken in Chemistry. If more than one curricular unit in Chemistry is taken in the same academic term, the following priority will be established: 1) Physical Chemistry, 2) Inorganic Chemistry, 3) Organic Chemistry.
 - 1st curricular unit taken in Physics
 - 1st curricular unit taken in Fluid Mechanics

This information will be taken from the certificate of curricular units of the higher education institution in which the applicant obtained approval. Curricular units that are not included in the certificate will be awarded a mark of zero.

- b) Individual interviews* with the group of applicants in question. The macrocriteria on which the interview will be assessed, and the respective weights, are: 1) justification of interest and motivation in taking the course to which they are applying (30%), 2) self-analysis of their journey so far (25%), 3) expression and verbal fluency in the Portuguese language (25%), 4) expression and verbal fluency in the English language (20%).

* The call for interviews will be made by e-mail to the address given in the application.

Observations

About the Application Average Grade

1. In the case of a holder of a bachelor's degree obtained in Portugal, the value of the Application Average Grade (MC) will be the value of their Final Course Average (rounded to the nearest unit);
2. In the case of a foreign degree holder, the Application Average Grade (MC) will be the value of their Final Course Average, which will then be converted to a scale of 0 to 20 points and rounded to the nearest unit;
3. In the case of a holder of more than one higher academic degree, the assessment jury must determine which course of origin is to be taken into account for the purposes of calculating the value of the Application Average Grade (MC);
4. In the case of a student about to graduate from their bachelor's degree, the value of the Application Average Grade (MC) corresponds to the average in the degree (at the date of application);
5. In the case of applicants who are holders of a curriculum recognised as attesting to their ability to complete the cycle of studies, the value of their Application Average Grade will be assigned by the body that assesses this ability.

About the Graduation Certificate from a higher education programme (bachelor's degree)

1. Graduation certificate from a bachelor's degree, indicating the course average rounded to the nearest unit. If the degree average (including, in the case of a foreign HEI, the grading scale and weighting system) is not provided, the minimum pass mark on the Portuguese scale (10 points) will be considered;
2. Applicants applying as "students about to graduate from a bachelor's degree" must submit a supporting document issued by the HEI indicating their current average or a declaration of honour, according to the model provided, as well as a certificate of curricular units completed with the respective marks and ECTS credits. If they are from a foreign HEI, they must also submit an official declaration issued by the respective HEI stating the grading scale and the respective minimum pass mark. If only part of the documentation is submitted, the minimum pass mark on the Portuguese scale (10 points) will be awarded.

(1) <https://www.topuniversities.com/qs-world-university-rankings>

(2) <http://www.webometrics.info/en>

(3) The cap function, denoted by $\lceil x \rceil$, converts the real number x into the smallest integer greater than or equal to x .