

|                  |  |              |  |   |
|------------------|--|--------------|--|---|
| Cycle of Studies |  | Second Cycle | Ciclo de Estudo  |   |
| Bioengineering   |  |              | Bioengenharia  |   |
| Organic Unit     | Organic Units/Partner Universities               |              | Place of CS edition for 2023/2024                            |   |
| FEUP             |  |              | FEUP   |   |
| Functioning      |  |              | Teaching Language  |   |
| Daytime          |  |              | Fully in English   |   |
| Contact Person   | E-mail   | Telephone    | Cycle of Studies Director                                    | E-mail  |
| Célia Cerqueira  | <a href="mailto:catc@fe.up.pt">catc@fe.up.pt</a> | 225 081 673  | Fernando Mendes Monteiro/ M <sup>a</sup> da Conceição Rangel | <a href="mailto:fjmont@fe.up.pt">fjmont@fe.up.pt</a> / <a href="mailto:mrangel@fe.up.pt">mrangel@fe.up.pt</a> |

#### Places

| Places   | TOTAL | 1 <sup>st</sup> Phase | 2 <sup>nd</sup> Phase | 3 <sup>rd</sup> Phase |
|--|-------|-----------------------|-----------------------|-----------------------|
| 1. Number of places                                      | 15    | 2                     | 3                     | 10                    |
| Does it include leftover places from the previous phase? |       |                       | Yes                   | Yes                   |

Minimum number of students for the functioning of the cycle of studies 20\*

#### Applications Calendar

|  | 1 <sup>st</sup> Phase |            | 2 <sup>nd</sup> Phase |            | 3 <sup>rd</sup> Phase |            |
|--|-----------------------|------------|-----------------------|------------|-----------------------|------------|
|  | Beginning             | End        | Beginning             | End        | Beginning             | End        |
| Submission of applications               | 16-01-2023            | 23-02-2023 | 24-02-2023            | 27-04-2023 | 28-04-2023            | 08-08-2023 |
|  | Beginning             | End        | Beginning             | End        | Beginning             | End        |
| Application review                       | 24-02-2023            | 09-03-2023 | 28-04-2023            | 16-05-2023 | 09-08-2023            | 04-09-2023 |
| Posting of provisional results           | 10-03-2023            |            | 17-05-2023            |            |                       |            |
|  | Beginning             | End        | Beginning             | End        | Beginning             | End        |
| Prior hearing                            | 13-03-2023            | 24-03-2023 | 18-05-2023            | 31-05-2023 |                       |            |
| Posting of final results                 | 30-03-2023            |            | 07-06-2023            |            | 04-09-2023            |            |
|  | Beginning             | End        | Beginning             | End        | Beginning             | End        |
| Submission of complaints                 | 31-03-2023            | 21-04-2023 | 09-06-2023            | 29-06-2023 | 05-09-2023            | 25-09-2023 |
| Publication of decision about complaints | 28-04-2023            |            | 06-07-2023            |            | 03-10-2023            |            |
|  | Beginning             | End        | Beginning             | End        | Beginning             | End        |
| Online enrolment                         | 04-04-2023            | 12-04-2023 | 13-06-2023            | 21-07-2023 | 06-09-2023            | 18-09-2023 |
|  | Beginning             | End        | Beginning             | End        | Beginning             | End        |
| Admission of non-placed applicants       | 18-04-2023            | 02-05-2023 | 25-07-2023            | 02-08-2023 | 20-09-2023            | 02-10-2023 |
| Publication of leftover places           | 10-05-2023            |            | 04-08-2023            |            |                       |            |

#### Notification of applicants

##### Method of notifying applicants

Applicants will be notified via e-mail to the address provided in application form.

## Credit transfer regarding training and work experience

### Deadlines for credit transfer regarding training and work experience

|   | 1 <sup>st</sup> Phase   | 2 <sup>nd</sup> Phase   | 3 <sup>rd</sup> Phase   |
|---|---|---|---|
| Request of credit transfer regarding prior training/work experience | On application and on enrolment   | On application and on enrolment   | On application and on enrolment   |
| Publication of credit transfer 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 the registration in result of the credit transfer process | Up to 10 working days after the publication of the credit transfer results                            | Up to 10 working days after the publication of the credit transfer results                            | Up to 10 working days after the publication of the credit transfer results                            |

### Calendar for the academic year

|   | 1 <sup>st</sup> Semester | 2 <sup>nd</sup> Semester |
|---|--------------------------|--------------------------|
| Beginning of the academic year at U. Porto                        | 11-09-2023               | 05-02-2024               |
| Beginning of the lecturing activity in the Cycle of Studies       | 11-09-2023               | 05-02-2024               |
| End of the lecturing activity in the Cycle of Studies             | 15-12-2023               | 24-05-2024               |
| Deadline for completion of evaluation                             | 02-02-2024               | 05-07-2024               |
| Deadline for the completion of evaluation in the Cycle of Studies | 02-02-2024               | 03-07-2024               |

### Notes:

\* Minimum number of students for functioning includes transition students and new admissions.

### Specific conditions to access the Cycle of Studies

Applicants who may apply to this Cycle of Studies leading to a Master's Degree are those who are:

- 1) Holders of a Bachelor's Degree or legal equivalent in the area of Bioengineering or a similar area deemed appropriate by the Scientific Committee of the Cycle of Studies;
- 2) Holders of a foreign higher academic degree in the area of Bioengineering or a similar area deemed appropriate by the Scientific Committee of the Cycle of Studies conferred following a first cycle of studies organized according to 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 Bioengineering or a similar area considered appropriate by the Scientific Committee of the Cycle of Studies with a minimum duration of 3 academic years;
- 4) Holders of an academic, scientific or professional curriculum in the area of Bioengineering or similar area deemed appropriate by the Scientific Committee of the Cycle of Studies, including:
  - a) Applicants with the first 3 full years of a cycle of studies carried out in a country not adhering to the Bologna Process;
  - b) Applicants whose conclusion of a Bachelor's Degree is pending the bureaucratic closure of an international mobility process, whatever their original Higher Education Institution (IES - Instituição de Ensino Superior);
  - c) "Final-year students" who have reasonable expectations of obtaining their Bachelor's Degree by the end of the enrolment deadline of their application phase, regardless of their IES of origin. These applicants lose their right to their place within the competition in question, if they are not able to register within the deadline;
  - d) Applicants who, not being covered by paragraphs a), b) or c), explicitly wish to request FEUP's statutorily competent scientific body to certify their capacity to carry out the Cycle of Studies to which they apply.

Mastery of the English language is required since it is the teaching language of this cycle of studies.

### Criteria and subcriteria for selection and ranking of applicants

1) The ranking of the applicants will be carried out in descending order of their Final Grade (CF), based on the weighted average of three components: Average for Application (MC), Suitability of the Degree (AC) and Prestige of the Educational Establishment (PEE);

2) The Final Grade (CF), rounded to the tenths, is calculated using the following formula:

$$CF = 0,55 \times MC + 0,25 \times AC + 0,20 \times PEE$$

in which:

a) The Average for Application (MC), expressed in a scale from 10 to 20 points rounded to the units, represents the final grade of the Degree of an applicant holding a Bachelor's Degree (180 ECTS) or equivalent, or the current average in the Degree (at the date of application) in the case of final-year applicants;

b) The Suitability of the Degree (AC) represents the assessment of the Board of this Cycle of Studies on the "level of coverage of key scientific areas" provided by the study plan of the Degree of origin. The assessment of this component (expressed on a scale from 10 to 20, rounded to the nearest unit) focuses essentially on the suitability of the previous training for entry in the Cycle of Studies, and may take different values depending on the Specialization to which one is applying;

c) The Prestige of the Educational Establishment (PEE) represents the quality and prestige of the applicant's home IES, being evaluated through the latest available edition of the QS<sup>1</sup> ranking regarding the Engineering scientific area in question (or Webometrics<sup>2</sup>, in case the IES is not in the QS ranking), converting the position of the home IES in the respective ranking (*POS\_QS* or *POS\_Web*) to a scale from 10 to 20 values, rounded to the units, as follows:

i) If the IES is included in the QS ranking, then the PEE parameter will have a value between 17 and 20 values, according to the following formula (in case the IES classification is expressed through a range of values, the initial value of that range will be considered for the PEE calculation):

$$PEE = \left\lceil 20 - \frac{POS_{QS}}{251} \right\rceil$$

ii) If the IES is only included in the Webometrics ranking, then the PEE parameter will have a value between 10 and 16 values, according to the following formula<sup>3</sup>:

$$PEE = \begin{cases} 16 & , POS_{Web} \leq 1000 \\ \left\lceil 20 - \frac{POS_{Web}}{200} \right\rceil & , 1000 < POS_{Web} \leq 2000 \\ 10 & , POS_{Web} > 2000 \end{cases}$$

iii) If the IES is not included in any of the above rankings considered, then:

$$PEE=10$$

3) Only applicants with a minimum Final Grade (CF) of 14 (on a scale of 0 to 20) will be admitted.

#### Notes:

##### **About the Average for Application**

1. In case of a holder of a Degree obtained in Portugal, the Average for Application (MC) will be the value of the Final Average Grade (rounded to the nearest unit);
2. In case of the holder of a foreign higher academic degree, the Average for Application (MC) will be the value of the Final Average Grade, which will be later converted to a scale of 0 to 20 values, and rounded to the nearest unit;
3. In the case of a holder of more than one Bachelor's Degree (or foreign higher academic degree), the jury of evaluation of the applications will consider the most suitable course to attend the study cycle to which the student is applying;
4. In the case of applicants holding a recognised curriculum vitae that fits the previously defined criteria (students whose Degree is pending the conclusion of an international mobility process already concluded, or applicants from countries that do not adhere to the Bologna Process), the value of their Average for Application will be determined according to the indicated in items 1 or 2;
5. In case of a final-year student, the Average for Application value corresponds to the current average in the Degree (at the date of application).
6. In the case of applicants holding a curriculum recognised on a case-by-case basis as attesting the capacity to carry out the study cycle, the value of their Average for Application will be that defined by the body that has attested the referred capacity.

##### **About the Certificate of completion of a higher education course (Bachelor's Degree)**

1. Completion certificate of Bachelor's Degree with indication of the Final Average Grade rounded to the nearest unit. If the certificate does not indicate the Final Average Grade (including, in case of foreign IES, the grading scale and weighting system), the minimum grade for approval on the Portuguese scale (10 out of 20) will be considered;
2. The applicants that have completed the first 3 years of a study cycle in a relevant area, carried out in a country that does not adhere to the Bologna Process, must submit a certificate of completed course units with the respective grades, accompanied by an official statement issued by the respective IES, in which the grading scale and weighting system used to calculate the Final Average Grade is presented. If only part of the documentation is submitted, the minimum classification for approval on the Portuguese scale (10 points) will be considered;
3. Applicants applying as "final-year students" must provide a document issued by their IES indicating their current average grade or a sworn statement, according to the model provided, as well as a certificate of course units completed with the respective grades and ECTS credits. Final-year students from a foreign IES must also submit an official declaration issued by their IES stating the grading scale and weighting system used to calculate the grade average. If only part of the documentation is submitted, the minimum classification for approval 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  $x$ ;

#### Tie-breaking criterion

In the event of a possible tie that impacts the placement (or non-placement) of candidates, the criteria will be considered in the following order:

i) Curriculum vitae

One-page .pdf file, according to the model provided, focusing on the applicant's extracurricular/complementary skills. The following are subject to evaluation:

- Completion or attendance of other courses or training activities (40%);
- Academic or professional awards or distinctions (20%);
- Participation in research activities (25%);
- Activities of a social, cultural, artistic, sporting or other nature deemed relevant (10%);
- Aspects considered relevant to the exercise of the profession of engineer (5%).

ii) individual interview\*, being the object of assessment:

- Motivation for entering this Cycle of Studies (30%);
- Attitude and capacity of expression and communication (40%);
- Capacity of critical analysis (30%).

\* If an interview is conducted as a tie-breaker, the call for interview will be made by e-mail to the address provided in the application form.