

## Call for applications for up to 10 doctoral scholarships 2025/2026 under the CMU Portugal Dual Degree Ph.D. Programs initiative

The CMU Portugal Program (CMU Portugal) and Fundação para a Ciência e a Tecnologia (FCT) opens a call to award up to ten **(10) Ph.D. scholarships** (Bolsas de Investigação para Doutoramento, BD). FCT funding is subject to the respective higher authorization from the Portuguese Government. The Ph.D. will take place in Portugal and at Carnegie Mellon University, complying with the provisions of the FCT Regulation for Studentships and Fellowships (RBI) and the Research Fellowship Holder (EBI) under the scope of the CMU Portugal Dual Degree Ph.D. Programs in the following fields:

- [Computer Science \(CS\)](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 11<sup>th</sup> December 2024 (03:00 p.m., EST/08:00 p.m., GMT)
- [Electrical and Computer Engineering \(ECE\)](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 15<sup>th</sup> December 2024 (11:59 p.m., EST/ 16<sup>th</sup> December 04:59 a.m., GMT)
- [Engineering and Public Policy \(EPP\)](#) applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 15<sup>th</sup> December 2024 (11:59 p.m., EST/ 16<sup>th</sup> December 04:59 a.m., GMT)
- [Human-Computer Interaction](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 11<sup>th</sup> December 2024 (03:00 p.m., EST/08:00 p.m., GMT)
- [Language Technologies \(LTI\)](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 11<sup>th</sup> December 2024 (03:00 p.m., EST/08:00 p.m., GMT)
- [Machine Learning \(ML\)](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 11<sup>th</sup> December 2024 (03:00 p.m., EST/08:00 p.m., GMT)
- [Robotics](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 11<sup>th</sup> December 2024 (03:00 p.m., EST/08:00 p.m., GMT)
- [Software Engineering \(SE\)](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 11<sup>th</sup> December 2024 (03:00 p.m., EST/08:00 p.m., GMT)
- [Societal Computing \(SC\)](#), applications open from November 19<sup>th</sup> 2024 (12:00 a.m., EST/05:00 p.m., GMT) to 11<sup>th</sup> December 2024 (03:00 p.m., EST/08:00 p.m., GMT)

The successful candidates for the CMU Portugal Dual Degree Ph.D. Programs spend up to two years at Carnegie Mellon University and up to three years at a University in Portugal. At the conclusion of their Ph.D.

program, the candidates are awarded two Ph.D. degrees, one by Carnegie Mellon University and the other by the partner University in Portugal. Details of the Dual Degree Ph.D. programs are available in the url's above, for additional information regarding each Dual Degree Ph.D. Program see the [CMU Portugal website](#).

Under the “Research and Education Collaboration Agreement” signed between FCT and the Carnegie Mellon University the scholarship will be financed by the Foundation for Science and Technology (FCT) in Portugal and financed by CMU while at CMU. The successful applicants may have to submit additional documentation to be awarded the FCT scholarship, see full details below.

## 1. ADMISSIONS

The admissions will generally be open from November 19<sup>th</sup> to December 15<sup>th</sup> 2024, according to the specifications given in the previous page.

Applications are submitted directly through the Ph.D. program admissions webpage of each Department at CMU. The FCT Scholarship will only be granted if the candidates are accepted by a Ph.D. Program at CMU and by a partner Portuguese University.

Each candidate may only submit one application, otherwise all applications will be withdrawn.

False statements or acts of plagiarism made by the candidates will result in the cancellation of the application and the possible adoption of sanctioning measures toward the candidate.

Applications submitted before the call deadlines and until a specific date may present reduced application fees. More information is available on the CMU applications page of each Ph.D. Program.

## 2. SCHOLARSHIPS TYPE AND DURATION

The scholarship type will be Bolsa de Investigação (País), for Doctoral Students pursuing a Doctoral Degree. Following the “Research and Education Collaboration Agreement” between FCT and Carnegie Mellon University, the Ph.D. funding has a duration of one year, renewable up to a maximum of 5 years with satisfactory progress, of which at most two years are at CMU and up to three years are at the partner University in Portugal. From the 5 years of funding, no more than 2 years must be carried out at CMU and 3 years at the partner University in Portugal. The scholarship cannot be awarded for a period of less than 3 consecutive months. The scholarship estimated starting date is September 1<sup>st</sup> 2025.

### 3. ADMISSIBILITY AND APPLICATION REQUIREMENTS

In accordance with articles 6 and 9, from the [FCT Regulation for Studentships and Fellowships \(RBI\)](#) the following candidates can apply:

- National citizens or citizens from another member states of the European Union;
- Citizens of third States;
- Stateless persons;
- Citizens enjoying political refugee status.

To apply for the Ph.D. scholarships, it is necessary:

- Hold a Licenciatura or Master's degree, preferably in the CMU Portugal research areas identified in the current announcement;
- Not having benefited from a Ph.D. scholarship or Ph.D. in companies scholarship directly funded by FCT, regardless of its duration;
- Not to hold a doctoral degree.

Applications are submitted directly through the Ph.D. program admissions of each Department at CMU where applicants should indicate their interest in the corresponding CMU Portugal Dual Degree Ph.D. program.

**To apply and to know in detail all the information required for each Ph.D. program application, please visit the CMU Portugal Program website at "[Admissions and Scholarships](#)".**

Research areas available for Ph.D. scholarships, as well as the supervisors at CMU and in Portugal, are defined by the CMU Portugal Program. Hence, candidates do not need to present a work program or a supervisor's support letter and CV at the time of application. It is mandatory to present the following attachments (other documents/information may be requested by the CMU department to which the candidate is applying to):

- Candidate's CV;
- Certificates of qualification of the academic degrees held, specifying the final classification and, if possible, the classifications obtained in all subjects taken, or, alternatively, the candidate's declaration of honor on how (s)he completed the Licenciatura's or Master's degree by the end the application deadline;
- Registration of recognition of the academic degrees awarded by foreign higher education institutions and registration of the final classification conversion to the Portuguese classification

scale for those degrees<sup>1</sup>, or, alternatively, the candidate's declaration of honor on how (s)he obtained the recognition of the foreign degree equivalent to a graduate or master's degree until the end of the application period;

- Statement of purpose;
- Letters of Recommendation (the number of letters may vary according to the CMU department);
- GRE test is waived for the EPP Ph.D. Program Fall admissions cycle and optional for the ECE Ph.D. Program (more information available in [this page](#)). For the School of Computer Science, the GRE scores are optional for the CS, ML, SC, LTI and Robotics Ph.D. Programs and not required for the SE and HCI Ph.D. Programs. Please refer to the [School of Computer Science GRE policies](#) in place for each Ph.D. Program for more information.
- English proficiency test is mandatory. Usually the preferred test is the "TOEFL" (Test of English as a Foreign Language), although "IELTS" (International English Language Testing System) or the "DET" (Duolingo English Test) may be accepted as well. More information on the English proficiency requirements available in the CMU Ph.D. Program admissions webpage provided in the announcement.

The scholarship will only be granted if the candidates are accepted by CMU and by one of the Portuguese Universities' Ph.D. programs eligible under the CMU Portugal Program Dual Degree Ph.D. Programs agreement. Information on the Ph.D. Programs in Portugal under this agreement is available [here](#).

Regarding the admissibility requirements mentioned above:

- Candidates with diplomas issued by foreign higher education institutions can apply and will be evaluated using the same criteria as candidates with diplomas issued by Portuguese institutions, provided that they present, in their application, proof of recognition of academic degrees and the conversion of final classification for the Portuguese classification scale under the applicable terms of legislation. The recognition of foreign academic degrees and diplomas as well as the final classification conversion to the Portuguese classification scale can be request at any public higher education institution in Portugal, or at the Directorate General for Higher Education (DGES) for the automatic recognition of the degrees. More information available at: <http://www.dges.gov.pt>.
- To be considered for admission, candidates will need to have concluded the Bachelor or Master degree until the applications deadline. In cases where the candidates don't submit the necessary diploma(s) in the application, it will be required a declaration signed by the candidate in which the candidate declares to have the required academic degree at the

time of the applications deadline. Scholarship contracts with candidates with diplomas issued by foreign institutions will only be concluded upon presentation of proof of recognition of academic degrees and conversion of the final classification, as stated above.

#### 4. EVALUATION CRITERIA

The evaluation takes into account the candidate's merit, alignment with the CMU Portugal Program, GRE (when required) and English Language Test scores. Applications considered admissible will be scored on a scale of 0-5 in each of the following evaluation criteria:

- **Criterion A – Candidate's merit (65%),**
  - **Subcriterion A1 – Academic curriculum (25%),** namely the score(s) of the main academic degree(s)<sup>2</sup>; and academic activities in which the candidate participated and/or organized such as non-degree educational programs, training programs, workshops, and other courses. Relevant international educational experiences will be valorized. This criterion will be assessed via the candidate's academic degree(s) certificate(s) and also the CV;
  - **Subcriterion A2 – Professional curriculum (15%),** namely professional experience; and/or development of scientific activities such as publications published, presented or accepted as author or co-author (in scientific journals, books, book chapters, other), presentations at scientific conferences, participation in scientific research projects, and others. This criterion will be assessed via the candidate's CV and recommendation letters;
  - **Subcriterion A3 – Statement of Purpose (25%),** which should clearly describe the candidate's skills, what are the goals that the candidate wants to achieve with the Ph.D., and how the CMU Portugal Program is the appropriate initiative to fulfill those goals.

The classification of Criterion A will be obtained by applying the formula:

$$Criterion A = ( 0,25 \times A1) + ( 0,15 \times A2) + ( 0,25 \times A3)$$

- **Criterion B – Alignment with the CMU Portugal Program initiatives (20%)** namely the alignment of a candidate to one of the research projects funded by the CMU Portugal Program under the "Large-scale collaborative research projects " or "Exploratory Research Projects" (available on [this page](#)) or/and participation in other CMU Portugal Program initiatives;

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<sup>2</sup> If the candidate presents more than one Licenciatura/Bachelors or/and Master degree(s) the committee will need to choose what will be the degree(s) more aligned with the Ph.D. Program the candidate is applying to and evaluate accordingly in subcriterion A1. The other degree(s) not considered for this purpose should nevertheless be considered in the subcriterion A1 overall score as part of the candidate's academic curriculum.

- **Criterion C – Alignment with the CMU Portugal Program main areas (15%),** namely the alignment of the candidate’s application to one or more CMU Portugal Program research areas (more information available [here](#));

For the purpose of deciding on the awarding of scholarships, candidates will be ranked according to the weighted average of the classification obtained in each of the 3 criteria, calculated according to the following formula:

$$Final\ score = (0,65 \times A) + (0,20 \times B) + (0,15 \times C)$$

For tie-breaking purposes, candidates will be ranked according to the scores assigned to each of the evaluation criteria in the following order of precedence: criterion A, criterion B, criterion C.

**Important notes for candidates with diplomas issued by foreign higher education institutions:**

- Candidates with diplomas issued by foreign higher education institutions can apply and will be evaluated using the same criteria as candidates with diplomas issued by Portuguese institutions, provided that they present, in their application, proof of recognition of academic degrees and the conversion of final classification for the Portuguese classification scale under the applicable terms of legislation;
- Candidates with foreign degrees who do not show proof of conversion from the final classification to the Portuguese classification scale will be evaluated with the minimum classification of 3,00 points in subcriterion A1;
- In any case, scholarship contracts with candidates with diplomas issued by foreign institutions will only be concluded upon presentation of proof of recognition of academic degrees and conversion of the final classification, as stated above.

Candidates with a final score of < 3,50 points will not be eligible for scholarship awarding. Candidates who attain the required minimum final score for scholarship awarding but aren’t recommend for scholarship, will be ranked in a waiting list should one or more of the best ranked candidates refuses the position.

## 5. EVALUATION

The application, selection, and admission of the candidates follow the procedures adopted by the corresponding Department at Carnegie Mellon University and the Regulations for Studentships and Fellowships (article 11). Evaluation is based on the merit and motivation of the applicant as assessed through the application and is conducted in two phases by a CMU admissions committee and a CMU Portugal Program committee.

Once the set of students that meet the minimum requirements to be considered eligible for admission in the dual degree program at CMU is found by the CMU admissions committee, then these candidates are forwarded to the CMU Portugal Program committee to decide the scholarship's awarding and to be recommended for admission in the corresponding Portuguese University in the scope of the CMU Portugal Program.

The CMU Portugal Program committee will be composed of faculty affiliated with Portuguese higher education institutions partners to the Program and will have expertise in each area available in the current announcement. The CMU Portugal Program Directors will chair the CMU Portugal Program committee.

The CMU Portugal Program committee will assess applications in accordance with the evaluation criteria contained in this Call for Proposals, considering the elements of evaluation. This committee will produce, for each application, a final evaluation report where it is clearly stated the reasoning for the scores given in each criterion and subcriterion.

All the committee members, including the chairs, have committed to respecting a set of responsibilities essential to the evaluation process, such as the duties of impartiality, the declaration of any potential conflict of interest situations and confidentiality. At all times during the evaluation process, confidentiality is fully protected and ensured to guarantee the independence of all opinions produced.

From the committee meetings, a selection report will be produced that will be the responsibility of all members. It must include the following information:

- Name and affiliation of all the members of the committee;
- Identification of all the excluded applications and respective reasoning;
- Individual evaluation file for all candidates with the score in each criteria and subcriteria and a global qualitative evaluation;
- Provisional list of classification and ranking of candidates, in descending order of the final classification, of all the applications evaluated by the panel;
- Conflict of interest declaration from each member of the committee;
- Possible delegations of votes and powers due to justified absence.

## 6. DISCLOSURE OF RESULTS

The list of candidates to be considered for scholarship will be published in the [CMU Portugal webpage](#). All candidates will be notified via email of the evaluation results.

## 7. DEADLINES AND PROCEDURES FOR PRIOR HEARING, COMPLAINT AND APPEAL

After communication of the preliminary list of results of the evaluation, the candidates have 10 working days to give their opinion at the prior hearing of interested parties, under the terms of articles 121 and following the Code of Administrative Procedure.

The final decision will be rendered after analyzing the pronouncements presented at the previous hearing of interested parties. From the final decision, a complaint can be filed within 15 working days, or, alternatively, an appeal may be filed within 30 working days, both counted from the respective notification. Candidates who choose to submit a complaint must address their pronouncement to the FCT Board of Directors with delegated competence. Candidates who choose to submit an appeal must address the same to the FCT Board of Directors.

## 8. SCHOLARSHIP AWARDING REQUIREMENTS

The scholarship contracts are celebrated directly with FCT. After the candidate's scholarship awarding, and for the contract to be issued, the following documents must be sent:

- Copy of the civil, tax, bank and, where applicable, social security identification document(s);
- Copy of the certificates and transcripts of the academic degree(s) held;
- Presentation of the recognition of foreign academic degrees and conversion of the respective final classifications to the Portuguese classification scale, if applicable;
- Candidate and supervisors CV;
- Workplan;
- Document of enrollment and registration in the Doctoral Program to be attended by the candidate in Portugal;
- Letter of admission from Carnegie Mellon University
- Statement by the supervisors assuming responsibility for supervising the work plan, according to Article 5-A of the Research Fellow's Statute;
- Document proving the candidate's acceptance by the institution where the research activities will take place, guaranteeing the required conditions for its good development, as well as the fulfillment of the duties provided for in article 13 of the Research Fellow's Statute;
- Document proving compliance with the exclusive dedication regime;

The scholarship awarding is also dependent on:

- Compliance with the requirements of this announcement;



- The results of the scientific evaluation;
- The absence of unjustified non-compliance with the candidate's duties under a previous scholarship financed directly or indirectly by FCT;
- FCT's budget availability.

Failure to deliver any of the required documents to complete the scholarship contracting process within 6 months from the date of communication of the conditional scholarship decision implies the expiration of the scholarship and the process's termination.

## 9. FUNDING

The payment of the scholarships will begin after the applicants return the duly signed scholarship contract, which must occur within a maximum period of 15 working days from the date of reception.

The grants awarded under this call for proposals will be financed by the FCT with funds from the State Budget and, when eligible, with funds from the European Social Fund, through the "Demography, Qualifications and Inclusion Programme (PDQI)", according to the regulations in place.

## 10. SCHOLARSHIP

While in Portugal, the scholarship recipients receive a monthly maintenance allowance in accordance with the table in Annex I of the "Regulation for Research Studentships and Fellowship" (RBI).

The scholarship may also include other components, under the terms set out in article 18 of the RBI and at the amounts provided for in its Annex II.

All scholarship holders benefit from personal accident insurance for research activities, supported by FCT.

All scholarship holders who are not benefiting from any social security regime can adhere to the voluntary social insurance regime ("Seguro Social Voluntário"), according to the "Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social", which is supported by FCT under the terms and with the limits provided for in article 10 of the EBI.

More information regarding the monthly stipend, social security and other allowances that can be provided through the scholarship is available on the [FCT webpage](#).

The scholarship holders will pursue their scholarship under the exclusive dedication regime.

## 11. SCHOLARSHIP PAYMENT

Payments due to the grantee are made by bank transfer to the account listed by the grantee. The monthly maintenance allowance is paid on the first business day of each month.

The payments for the registration, enrollment or tuition components are made by FCT directly to the national institution where the fellow is enrolled in the Ph.D.

## 12. SCHOLARSHIP RENEWAL TERMS AND CONDITIONS

The renewal of the scholarship always depends on a requirement submitted by the fellow, within 60 working days prior to the renewal start date, accompanied by the following documents:

- statements issued by the supervisors and by the host institutions with an assessment of the scholarship holder work;
- updated document proving compliance with the exclusive dedication regime;
- document stating the active registration of the scholarship holder in the host institutions.

## 13. INFORMATION AND PUBLICITY OF THE SCHOLARSHIP

In all R&D activities directly or indirectly financed by the scholarship, namely, in all communications, publications and scientific creations, as well as theses, carried out with the support provided by the scholarship, the mention of financial support from FCT and the Social European Fund, through the “Demography, Qualifications and Inclusion Programme (PDQI)”. To this effect, it is mandatory to include the logos of FCT, MCTES, FSE and EU in all documents related with these activities and in accordance with the design norms of these entities.

The dissemination of results of research funded under the RBI must comply with the rules for open access to data, publications and other research results in rule at the FCT.

In all scholarships, and in particular in the case of actions supported by community funding, namely from the FSE, monitoring and control actions may be carried out by national and community bodies in accordance with the applicable legislation in this matter, having the grantees the obligation to collaborate and provide of the requested information, which includes surveys and evaluation studies in this area, even though the scholarship has already ceased.

#### 14. NON-DISCRIMINATION AND EQUAL ACCESS POLICY

FCT promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, harmed or deprived of any right or exempt from any duty due, namely, to ancestry, age, gender, sexual orientation, marital status, family status, economic status, education, origin or social status, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic or race origin, territory of origin, language, religion, political or ideological beliefs and affiliation union.

#### 15. APPLICABLE LEGISLATION AND REGULATION

The call is governed by the present Announcement, by FTC's [Regulation for Research Studentships and Fellowship \(RBI\)](#), approved by Regulation No. 950/2019, published in the II Series of the DR of December 16, 2019, by the [Research Fellowship Holder Statute \(EBI\)](#) approved by the Law 40/2004, of August 18, in the current wording, and by other applicable national and community legislation.

Additional information may be requested to the email [apply@cmuportugal.org](mailto:apply@cmuportugal.org) .

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