Universidade de Évora

Edital

Applications for Admission to the Ph.D. Program in
Mechatronics Engineering and Energy
Academic year 2022/2023

1. The program is promoted by:

Universidade de Évora - Instituto de Investigação e Formação Avançada

2. Program Coordination:

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3. Program description:

The main objective of the PhD program in Engineering is to train highly qualified technicians and researchers, particularly specialized in Mechatronics or in Energy, who are able to carry out independent research or experimental work, in a corporate environment, as well as within the university context.
The offer of a third Cycle in Mechatronics Engineering and Energy is the natural sequence of second Cycles, namely those offered by the University of Evora, MSc in Mechatronics Engineering and MSc in Solar Energy Engineering, and it results from the developed research at the University of Evora, particularly in the Research Centers evaluated by the FCT, where the cycle Professors are integrated as researchers, namely the ICT-Institute of Earth Sciences with its connection to the Renewable Energy Chair of the University of Evora and the LAETA-Associated Laboratory for Energy, Transports and Aeronautics.
This PhD program provides advanced specialization areas, with a remarkable interdisciplinary potential in emerging fields, from product design engineering, instrumentation, automatic control and Process supervision, to the development of a range of technologies applied to Mechatronics engineering, energy efficiency in processes, energy capture, conversion and concentration.

4. Specialization areas:

- Energy (**available**)
- Mechatronics (**available**)

5. Career opportunities:

This PhD program provides advanced specialization areas, with a remarkable interdisciplinary potential in emerging fields, from product design engineering, instrumentation, automatic control and Process supervision, to the development of a range of technologies applied to Mechatronics engineering, energy efficiency in processes, energy capture, conversion and concentration.

6. Number of registration at DGES:

R/A-Ef 126/2012/AL01

7. Number of accreditation process by A3ES:

ACEF/1819/0026231

8. Program Creation Norm:

Diário da República n.º 253 de 31 de dezembro, Aviso n.º 21147/2020

9. General conditions of access and admission:

i **Legal conditions for access to the cycle of studies leading to the ≪Doutor≫ degree (Ph.D. degree)**
The following individuals can apply for a cycle of studies to the ≪Doutor≫ degree (Ph.D. degree):

- holders of a Portuguese Mestre degree (Master degree) or legal equivalent;;
- holders of an undergraduate degree holding a specially relevant academic or scientific curriculum, which is recognized as attesting capacity to carry out this cycle by the competent scientific committee of the higher education institution where they wish to be admitted;
- holders of an academic, scientific or professional curriculum that is recognized as attesting the ability to carry out this cycle of studies by the competent scientific committee of the higher education institution where they wish to be admitted.

ii **Specific admission conditions**
MSc in adequate field, namely MSc in Mechatronics Engineering, Solar Energy Engineering, Mechanical Engineering, Electrotechnical Engineering, or a MSc in a related field, or a curriculum vitae that is considered relevant in these areas.

10. Selection Process:

- Academic qualifications: 50%
  - Area of qualifications: 50%
  - Weighted average (1st cycle and 2nd cycle ECTS, weighting based on ECTS completed in each cycle): 50%
- Curriculum analysis: 50%
  - Professional Experience in the area of the program or related fields: 50%

- Scientific publications: 30%
- Conference Communications: 10%
- Participation in research projects: 10%

Observations regarding the selection process:

The course committee may decide to hold an interview (face-to-face or online) in cases where it is necessary to clarify doubts or obtain additional information regarding the documentation submitted by the candidate in the application process.

11. Maximum number of admissions

- Maximum number of admissions for candidates with nationality of European Union countries: 6
- Maximum number of admissions for candidates without nationality of countries of the European Union: 5

Depending on the number of applications, there may be transfer of vacancies from the international students applications to the European Union students applications or vice-versa.

12. Tuition fee

- Candidates with nationality of European Union countries: 1250.00 €
- Candidates without nationality of countries of the European Union: 2500.00 €
  - Annual Tuition fee for international students with merit scholarship: 1250.00 €
  - Annual Tuition fee for international students with cooperation and development scholarship: 1450.00 €

In the admission year, all students with international student status who have a grade C higher or equal to 16 (C= 0.6 x undergraduate average + 0.4x masters average, both averages on the scale 0-20), benefit from the tuition fee for international students with merit scholarship and all students from PALOP countries benefit from the tuition fee for international students with cooperation and development scholarship. In the following years, to keep the merit or cooperation and development scholarship, the student has to meet the conditions stipulated in article 22 of the Academic Regulations of the University of Évora and the results are published until October 31 of each academic year, without the need to apply for the scholarship

13. Organization / duration:

a. **Duration of the program:** 8 semesters

b. **Number of ECTS to obtain the degree:** 240

c. **Number of ECTS to obtain the doctorate course (conclusion of the curricular part):** 60

14. Language (s) of teaching:

- English
- Portuguese

15. Learning Type: Presential

16. Schedule type: Post-labor hours

17. Program starting date: September of 2022

January 6, 2022
The Rector

Ana Costa Freitas