



Universidade de Évora

Edital

Applications for Admission to the Master Program in
Biochemistry
Academic year 2020/2021

1. The program is promoted by:

Universidade de Évora - Escola de Ciências e Tecnologia

2. Executive Monitoring Committee:

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3. Program description:

The Master of Science (MSc) in Biochemistry offers the trainees the opportunity to deepen their knowledge and develop specific skills, tailored to their personal interests, in areas of Fundamental or Applied Biochemistry, in particular in applications to the environment, food production and preservation, to animal and human health, development, aging and adaptation, and to the conservation and restoration of the natural and cultural heritage, aiming to contribute to sustainable environmental, social and economic development (Sustainable Development Goals 4-6 and 10-15). The Master offers a specialized training in Biochemistry, based on the study of real life problems, within the research expertise of the supporting institutes, centers and research laboratories (ICAAM / MED, ICT, REQUIMTE-LAQV and Lab. HERCULES, CHRC), where the trainees will develop their dissertations work, either at the academy or in collaboration with private or public entities.

Biochemistry, interdisciplinary in nature, is central to today's biosciences and has influenced the evolution of many societal challenges, namely in medicine, the environment and their impacts on health, including adaptation to climate change. In a rapidly changing environment, Biochemistry contribution to understanding the molecular mechanisms of disease and aging, the adaptation and interaction of organisms with the environment, has revolutionized forensic sciences and contributed to the development of the biopharmaceutical industry and biofuels and to the rise of new areas such as the preservation of the natural and cultural heritage.

The proposed course aims to train skilled professionals in the field of biochemistry to perform functions, tasks and activities in technical, academic or scientific research careers. The aim is to provide advanced training in biochemistry, contributing to the development of technical and scientific skills, including the ability to design experiments, define strategies and implement protocols in innovative scientific research projects, skills on quality control and product development for human use, to conduct and develop analyses on products of biological origin in order to detect, clarify and solve biochemical problems in its fundamental and applied aspects.

4. Career opportunities:

Industry/Services: Food and Agriculture, Pharmaceutical and Biotechnology, Toxicology, Environmental Control and Diagnostic Technology, Design and Consulting Offices, Conservation of Natural and Cultural Heritage.

Health and Environment: Laboratories of Clinical Analysis, Toxicological and Environmental analysis.

Research: Centers for Fundamental and Applied Research in the areas of Environmental Sciences, Conservation of Natural and Cultural Heritage, Health and Wellness, Life Sciences and Health, Biotechnology and related fields.

Teaching: Universities, Polytechnic Institutes and Secondary Education.

5. Number of registration at DGES:

R/A-Ef 1716/2011/AL01

6. Number of accreditation process by A3ES:

ACEF/1314/05902

7. Program Creation Norm:

Diário da República n.º 87 de 5 de maio de 2016, Aviso n.º 5821/2016

8. General conditions of access and admission:

i Legal conditions for access to the cycle of studies leading to the master degree

The following individuals can apply for a cycle of studies leading to the master degree:

- holders of a Portuguese Licenciado degree or legal equivalent;
- holders of a foreign higher education undergraduate degree, which is recognized as satisfying the objectives of the degree of Licenciado by the competent scientific committee of the higher education institution where they wish to be admitted;
- holders of an academic, scientific or professional curriculum which 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 Conditions of access to the cycle of studies at the University of Evora

On the application date, the undergraduate students must satisfy conditions that guarantee the conclusion of their undergraduate degree until the 30th of October of the admission year. The admission and enrollment of these students is conditioned on the conclusion of the degree until this date, and the enrollment is canceled if the student does not complete the degree within that period.

During the first application phase, students who have a maximum of 6 curricular units or 36 ECTS missing for conclusion of their degree can apply for the 2nd cycle; in the 2nd application phase students can apply if they have at most 3 curricular units missing and in the 3rd application phase if they have at most one curricular unit missing.

The previous condition does not apply to students with a curriculum that reveals professional or scientific experience, which can be recognized by the competent scientific body, as attesting the student's ability to carry out the master's degree/post-graduation, provided that the student required that recognition in the application process.

iii **Specific admission conditions**

Applicants must hold a degree in Biochemistry, Human Biology, Biotechnology, or Biology. Graduates in Chemistry, Technological Chemistry, Enology, and Ecology and Environment may also apply. Applicants holding a degree in related areas may apply by submitting the curriculum vitae and their graduation study plan.

9. Selection Process:

- Academic qualifications: 70%
 - Level of qualifications: 30%
 - Area of qualifications: 30%
 - Average grade in the highest qualification: 40%
- Curriculum analysis: 30%
 - Volunteering: 20%
 - Professional Experience in the area of the program or related fields: 15%
 - Training in transversal competences: 20%
 - Participation in conferences and similar activities: 20%
 - Professional Training in the area of the program or related fields: 15%
 - Participation in research projects: 10%

10. Maximum number of admissions

- Maximum number of admissions for candidates with nationality of European Union countries: 15
- 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.

11. Minimum number of students: 8

12. Tuition fee

- Candidates with nationality of European Union countries: 1050.00 €
- Candidates without nationality of countries of the European Union: 2500.00 €
 - Annual Tuition fee for international students with merit scholarship: 1050.00 €
 - Annual Tuition fee for international students with cooperation and development scholarship: 1250.00 €

All students with international student status who have an undergraduate degree grade which is equal to or higher than 15 (in a scale of 0-20), will have a reduced tuition fee in the first year of the program due to the merit scholarship. To maintain this reduced tuition fee in the following years, the student has to pass all curricular units and have an average grade equal or above the minimum merit grade. All students with international student status from PALOP countries, will have a reduced tuition fee in the first year of the program due to the cooperation and development scholarship. To maintain this reduced tuition fee in the remaining years the student has obtain a minimum academic performance.

13. Organization / duration:

- a. **Duration of the program:** 4 semesters
- b. **Number of ECTS to obtain the degree:** 120
- c. **Number of ECTS to obtain the master's course (conclusion of the curricular part):**
69

14. Language (s) of teaching:

- Portuguese

The courses may be taught in English should there be foreign students.

15. Learning Type: Presential

16. Schedule type: Mixed

17. Program starting date: September of 2020

February 5, 2020
The Rector

Ana Costa Freitas