Universidade de Évora
Universidade Nova de Lisboa - Faculdade de Ciências e Tecnologias

Edital

Applications for Admission: Mestrado em Tecnologias em Agricultura de Precisão
(Precision Agriculture Technologie)
Academic Year 2026/2027

1. The program is promoted by

Universidade de Évora - Escola de Ciências e Tecnologia
Universidade Nova de Lisboa - Faculdade de Ciências e Tecnologias

2. Study program in Consortium

a. **Type of Consortium**: National

b. **Type of Consortium**: Diploma to be awarded by all Partner Institutions together, pursuant to Article 42 of Decree-Law No. 74/2006, of 24 March, in its current republication

c. **Type of Agreement**: Rotating (administrative-financial management under the responsibility of the edition host institution)

d. **Coordinator Institution**: Universidade de Évora

e. **Partner Institutions**:

- Universidade de Évora
- Universidade Nova de Lisboa - Faculdade de Ciências e Tecnologias

f. **Specific Regulation**: No

g. **Host Institution**: Universidade de Évora

h. **Applications place**:

- Universidade Nova de Lisboa - Faculdade de Ciências e Tecnologias
  - **Application dates and information**: https://www.fct.unl.pt/
    Phase 1: February 4th to March 27th
    Phase 2: June 1st to July 17th
    Phase 3: August 19th to September 4th

- Universidade de Évora

- **Application dates and information**: https://www.uevora.pt/
  Phase 1: February 13 to March 12
  Phase 2: April 30 to May 22
  Phase 3: July 21 to August 11

i. **Executive Program Committee**:
  Adélia Maria Oliveira de Sousa (UÉvora/ECT) Maria Manuela Simões Ribeiro (UN/FCT)

3. Program description

According to current projections, food production needs to grow 60% by 2050 to feed the entire population of the planet. This pressing need is leading to major changes in agriculture and food production sector. The challenge are therefore to produce more with less considering that the resources are increasingly scarce and the environmental impacts have to be reduced. The philosophical principle of Precision Agriculture makes every day more sense: "Treating differently things that are different, using stable and calibrated technologies in order to increase agronomic, economic, environmental and social processes".
Remote (satellites) and proximal (geoelectric) sensors; variable rate technologies (VRT); internet of things (IoT); "machine learning"and other artificial intelligence techniques are currently being used to optimize soil-water-plant relationships. The agronomic act is nowadays supported by two types of intelligence, human and artificial, being able to manage large amounts of information in almost near real time, reducing therefore risks on decisions.
In association, the Évora (ECT) and the Nova (FCT) Universities, based on their expertise at this field, offer to students at this master's degree, unforgettable experiences, as well as an unprecedented scientific and technical preparation on Precision Agriculture technologies and processes management.

4. Career opportunities

In a broader scope this master degree intends to form the future Precision Agriculture technology managers. In a narrower scope, will form the professional that will: i) develop geoelectric surveys in companies that study the soil spatial variability, as well as intelligent soil nutrient surveys; (ii) built nutrients and other inputs VRT maps such as fertilizers and seeds; iii) operate different types of GNSS in order to georeference plots, soil samples, plants and others; iv) operate different agricultural machinery and equipment, namely in VRT processes; v) able to handle and develop work with remote sensors, namely processing satellite images for agronomic monitoring; vi) able to handle and develop work with proximal sensors, namely in monitoring and managing yield and quality crop parameters; vii) processing large volumes of data, using appropriate programming languages; viii) install IoT sensors, as well as managing the acquisition of large volumes of data; ix) work with artificial intelligence techniques and handling large volumes of data; x) develop economic studies in the implementation of new technologies; (xi) develop applied research in the Precision Agriculture field.

5. Number of registration at DGES

R/A-Cr 39/2018/AL01

6. Number of accreditation process by A3ES

PERA/2324/1700119

7. General conditions of access and admission

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

Those who meet the following conditions may apply to the cycle of studies that leads to the master degree:

- Holders of the bachelor degree or legal equivalent;
- Holders of a foreign academic degree dully recognised as satisfying the objectives identical to the bachelor degree by the relevant scientific body of the higher education institution they wish to be admitted to;
- Holders of an academic, scientific or professional curriculum vitae that is recognized as attesting to the capacity to carry out this cycle of studies by the relevant scientific body of the higher education institution they wish to be admitted to.

ii **Conditions of access to the cycle of studies at the Universidade de Évora**

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 students ability to carry out the masters degree/post-graduation, provided that the student required that recognition in the application process

iii **Specific admission conditions**

Who can apply to the master's degree "Technologies in Precision Agriculture":
a) Holders of a first degree or a legal equivalent in natural sciences, agronomy, agri-food technologies or other related areas;
b) Holders of a foreign higher academic degree conferred following a 1st cycle of studies organized in accordance with the Bologna Process principles by a State adhering to this process in the scientific areas referred in a);
c) Holders of a foreign higher academic degree in the scientific areas referred in a), which is recognized as meeting the objectives of the graduated degree by the Scientific Councils of FCT-NOVA or ECT-UÉv;
d) Holders of a school, scientific or professional curriculum in the scientific areas referred in a), which is recognized as attesting ability to carry out this studies cycle by the competent legal body of the Coordinating Institution, proposed by the Scientific Committee of the Master's Degree Technologies in Precision Agriculture.

8. Selection Process

- Academic Qualifications: 70%

  - Area of qualifications: 25%
  - Classification in the degree required in the entry conditions: 50%
  - Level of qualifications: 25%

- Curriculum Analisys: 30%

  - Professional Training in the area of the program or related fields: 30%
  - Scientific and technical activities and publications: 30%
  - Professional Experience in the area of the program or related fields: 40%

9. Maximum number of admissions

- Maximum number of admissions for candidates with nationality of European Union countries: 20

- Maximum number of admissions for candidates without nationality of European Union countries: 10

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.

10. Minimum number of students

Minimum number of students: 10

11. Tuition fee

- Candidates with nationality of European Union countries: 2 000,00 €

- Candidates without nationality of European Union countries: 7 000,00 €

12. 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):** 78

13. Language(s) of teaching

- Portuguese

14. Learning Type

Presential

15. Schedule type

Mixed

16. Classes schedule (week days and schedule)

The schedule may vary between the University of Évora and NOVA/FCT University depending on the type of course units; however, classes are held on one day during the week and on Saturdays whenever possible.

17. Program starting date

September de 2026

February 12, 2026
The Rector

Hermínia Vasconcelos Vilar