



Universidade de Évora

Open call rules

Applications for Admission: Mestrado em Engenharia Geológica (Geological Engineering)
Academic Year 2024/2025

1. The program is promoted by

Universidade de Évora - Escola de Ciências e Tecnologia

2. Course Committee

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3. Program description

The Master Degree in Geological Engineering is oriented to the Labour Market. The principle is "Learning by Doing, toward competence and employability."

The proposed second cycle degree program has as main objective to supply the futures masters a solid formation and integrated in the area of the Geological Engineering, mainly, Georesources and Geotechnics, it allows them capacities in several domains.

The student can carry out their Dissertation / Traineeship / Project in Enterprise context. To this purpose, cooperation agreements have been established with more than 30 enterprises and institutions specialized in Geological and Geotechnical Exploration, Industrial and Ornamental Rocks, Engineering and Environmental Geology, Soil and Rock Mechanics, Slope Stability, Water Resources, Geological and Geotechnical Mapping, Mineral Resources, Inspection and Licensing of Extractive Activity.

The Agreement between the University of Evora (UE) and the University of Castilla la Mancha - UCLM (Spain), allows students from both institutions to obtain a double degree of Master in Geological Engineering (UE) and the "Grado en Tecnología Minera" (UCLM).

4. Career opportunities

Geological, geochemical and geophysical exploration of mineral resources. Exploitation, treatment and management of metallic and non-metallic minerals and energetic resources (mines, quarries, petroleum, coal, gas, water, geothermy, etc.).

Dimension stones and industrial rocks exploitation and transformation management. Evaluation of

environmental impacts of mining activity or geotechnical works and projects of environmental recovery of degraded areas. Prediction, prevention and remediation of geological and environmental risks. Geological and geotechnical studies of requested areas for engineering works (buildings, highways, railways, bridges, tunnels, airports, dams, marine works, etc.). Geological and geotechnical mapping, mining mapping, mapping to support the plans of territory management, geological risks mapping. Support to conservation works of the cultural heritage built in stone (monuments). Agencies and companies of management and distribution of water. Geotourism, geodiversity and geological heritage.

Study, exploration, characterization, evaluation, implementation and improvement of geomaterials (rocks and soils). Consultancy, technical support to drilling companies. Technical coordination of quarries, geotechnical works and thermal water facilities. Teaching, investigation and technical disclosure in matters related with the Geological Engineering.

5. Number of registration at DGES

R/A-Ef 1723/2011/AL02

6. Number of accreditation process by A3ES

ACEF/2122/0505947

7. Program Creation Norm

Diário da República n.º 90 de 10 de maio, Aviso n.º 9168/2023

8. 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**

1 - Degree in Geological Engineering or similar (Water Resources Engineering, Mining Engineering, Civil Engineering, Geotechnical Engineering, Biophysical Engineering, Environmental Engineering, Natural Resources Engineering, Degree in Mineral Technology from UCLM, Ingeniería Minera y Energética, among others).

2 - Degree in scientific areas, such as: Geology, Earth Sciences, Environmental Sciences, among others.

9. Selection Process

- Academic Qualifications: 60%
 - Area of qualifications: 25%
 - Level of qualifications: 25%
 - Average grade in the highest qualification: 50%
- Curriculum Analysis: 40%
 - Scientific and technical activities and publications: 30%
 - Professional Experience in the area of the program or related fields: 30%
 - Professional Training in the area of the program or related fields: 20%
 - Teaching experience in training programs in the area of the program: 10%
 - Participation in conferences and similar activities: 5%
 - Training in transversal competences: 5%

The interview is required only in a tie situation or if questions arise during the process of curriculum analysis that deserve to be clarified.

10. Maximum number of admissions

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

Minimum number of students: 8

12. Tuition fee

- Candidates with nationality of European Union countries: 1 050,00 €
- Candidates without nationality of European Union countries: 2 500,00 €
 - Annual Tuition fee for international students with merit scholarship: 1 050,00 €

- Annual Tuition fee for international students with cooperation and development scholarship: 1 250,00 €

In the admission year, all students with international student status who have an undergraduate average of 15 or above (on a 0-20 scale) benefit from the international student merit scholarship tuition fee 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

- Duration of the program:** 4 semesters
- Number of ECTS to obtain the degree:** 120
- Number of ECTS to obtain the master's course (conclusion of the curricular part):** 78

14. Language(s) of teaching

- English
- Portuguese

The classes are taught in Portuguese but with brief summaries in English when there are students whose mother language is not Portuguese, beyond the tutorial support in English for those students.

15. Learning Type

Presencial

16. Schedule type

Mixed

17. Program starting date

September de 2024

February 11, 2024
The Rector

Hermínia Vasconcelos Vilar