



Universidade de Évora

Edital

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

1. The program is promoted by:

Universidade de Évora - Escola de Ciências e Tecnologia

2. Executive Monitoring Committee:

Isabel Maria Ratola Duarte (iduarte@uevora.pt)

António Pinho (apinho@uevora.pt)

Luís Lopes (lopes@uevora.pt)

3. Program description:

The Master Degree in Geological Engineering is oriented to the Labor 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 Rocks Mechanics, Slope Stability, Water Resources, Geological and Geotechnical Mapping, Mineral Resources, Inspection of Mining Activities.

The Master in Geological Engineering will be enabled to develop works of scientific investigation, as well as to exercise his/her activity in the central and regional administration, municipal districts, consultancy offices, public and private laboratories, building companies, dimension stones exploitation and transformation companies, offices of studies of environmental impact and professional formation centers.

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/AL01

6. Number of accreditation process by A3ES:

ACEF/1516/05947

7. Program Creation Norm:

Diário da República n.º 42, 2ª Série, 28 de fevereiro de 2018, Aviso n.º 2802

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**

1 - Degree in Geological Engineering or similar (Water Resources Engineering, Mining Engineering, Civil Engineering, Geotechnical Engineering, Biophysical Engineering, Environmental Engineering, Natural Resources Engineering, 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%

Observations regarding the selection process:

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 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):**
78

14. Recognition of the course for progression in the teaching career of child educators and teachers in basic and high schools

According to article 54 of the Statute of the Teaching Career and the Ministerial Order no. 344/2008, of April 30th, this Master's degree is recognized by the Ministry of Education for career progression of:

Grupo de recrutamento 230 (Matemática e Ciências da Natureza) do 2.º Ciclo do Ensino Básico
Grupo de recrutamento 520 (Biologia e Geologia) do 3.º Ciclo do Ensino Básico e Ensino Secundário
Grupo de recrutamento 530 (Educação Tecnológica) do 3.º Ciclo do Ensino Básico e Ensino Secundário

15. Language (s) of teaching:

- Portuguese
- English

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.

16. Learning Type: Presential

17. Schedule type: Mixed

18. Program starting date: September of 2020

January 28, 2020
The Rector

Ana Costa Freitas