



TECHNICAL UNIVERSITY OF CRETE

School of Mineral Resources Engineering,
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CALL FOR APPLICATIONS (SPRING 2024-2025)

MSc: Sustainable Technologies of Energy Resources and Raw Materials

The call for applications for the Postgraduate Program of Studies in "**Sustainable Technologies of Energy Resources and Raw Materials**", with two specializations:

I. Sustainable Technologies for Exploitation of Energy Resources-Environment and
II. Sustainable Technologies for Exploration and Exploitation of Raw Materials- Recycling, (academic year 2024-2025, spring semester) is open from **10/1/2025 – 6/2/2025**. Applicants are requested to submit the following documents (official transcripts, translated in English where necessary):

1. Copies of acquired **degrees/diplomas**.
2. **Certificate of undergraduate courses** and grades achieved.
3. **Certificate of accreditation by Hellenic NARIC**, for degrees from foreign institutions (if not available it may be submitted after the start of the program, until the end of the student's course enrolment in the current semester).
4. Copies of **English Language Certificates** (and of any other foreign language, where applicable).
5. Extended **Curriculum Vitae**.
6. **Personal information and statement** describing academic interest in specific graduate studies, including the preferable **specialization area**.
7. Two **letters of recommendation** at least one from Academia.

The applications have to be submitted via the **online application system** (<https://e-graduate.tuc.gr>). All legal documents should be officially translated in English or Greek. The deadline for the application submission including all documents is **February 6, 2025**. Information about processing of personal data for the purposes of evaluation and registration, in addition to the collection of the supporting documents, can be found in Admission - [School of Mineral Resources Engineering](#).

For candidates who have submitted all required documents, personal interviews will take place on-line between 7 and 11 of February.

Courses for the Master's degree will be taught in English. The Master's thesis will be written in English. Modules will be taught both with in person and with online participation using e-learning platforms.

Enrolment fee: 500 Euro

Additional course fees for non-European candidates (3 semesters): 1500 Euro (500 Euro/semester).

Further information:

- webpage: [Sustainable Technologies of Energy Resources and Raw Materials - School of Mineral Resources Engineering](#)
- email: both mtsiknaki@tuc.gr and ppartsinevelos@tuc.gr
- telephone: +3028210-37645.

Additional Information

Courses offered for the Spring Semester

Specialization 1

Mandatory Courses (2 out of 3)
Biofuels-Thermochemical processes
Fossil Fuels and Energy Transition
Energy-efficient mineral processing plant design

Specialization 2

Mandatory Courses (2 out of 3)
Emerging technologies for the exploration of raw materials
Instrumental analysis for raw materials
Modern technologies for the near-zero-waste processing of low-grade primary ores and secondary raw materials

Common to both specializations

Elective Courses (at least 1)
Advanced Geomechanics
Economic geology of industrial minerals and rocks
Data science for Exploration and Exploitation
Seismic signal processing
Environmental economics and policy
Circular Economy

Academic Calendar

24/02/2025: Classes start

06/06/2025: Classes end

20/02/2025 - 01/03/2025: Student enrollment

24/03/2025 - 09/03/2025: Course enrollment finalization

The Director of the Postgraduate Studies of the School of Mineral Resources Engineering

Professor P. Partsinevelos