

Content and relevance of the study program

The doctoral degree program in Geology is developed and structured in relation to the expected learning outcomes and is organized on the basis of the transferable study credit system. Starting with 2024, the doctoral studies in Geology have a duration of 4 years and involve obtaining a minimum of 240 transferable ECTS/SECT credits.

The doctoral study program is carried out under the coordination of a doctoral supervisor and includes:

- a) a training program based on advanced university studies, within the doctoral school, for which a minimum of 30 credits will be accumulated;
- b) an individual scientific/applied research program. In the research program, a research project will be held in the first year, credited with 30 credits and a research report, once every 12 months, in the following years, each credited with 60 credits. The individual scientific research program is organized in the field of research in which the doctoral supervisor has established himself and is planned for the entire period of the doctoral studies.

The training program based on advanced university studies ensures the preparation of the doctoral student through didactic-scientific activities (courses, seminars, laboratories and the like), according to the Curriculum and is carried out in one of the two academic semesters of the first year of the doctorate. It lasts for 14 weeks and cannot be extended.

PhD students must participate in the courses of at least 3 disciplines from the educational offer of the ŞDGTA. The subjects are displayed together with the subject sheets on the SDGTA website before the start of the academic year. The course "Ethics and Academic Integrity" is mandatory for all enrolled doctoral students. The other optional subjects (at least 2) that must be chosen are selected from the curriculum, according to the doctoral student's options and in accordance with the recommendation of the doctoral supervisor, taking into account the theme of the thesis.

The subjects included in the curriculum of the ŞDGTA are proposed and taught by the full doctoral supervisors and are relevant to the field of study. The content of the subjects is elaborated according to the subject sheets. Each subject in the curriculum is described in detail in the subject sheet, and the learning outcomes at the subject level are correlated with the expected outcomes at the program level. For each subject included in the curriculum, a number of credits are established in accordance with the national legislation on the granting of ECTS credits. Following the completion of the disciplines of the advanced training program, the doctoral student must accumulate at least 30 credits.

The training program based on advanced university studies and the individual scientific/applied research program, through the totality of learning, teaching, practical training, research and evaluation experiences, lead to the following university qualifications specific to the field of Geology, according to occupational standards and the European Classification of Occupations (ESCO):

- geologists and geophysicists (ESCO code 2114)
- geologist (cod ESCO 2114.1)
- geologist specialized in environmental geology (ESCO code 2114.1.1)
- geologist specialized in geological prospecting and exploration (ESCO code 2114.1.2)
- geochemist (ESCO code 2114.1.3)
- hydrogeologist (cod ESCO 2114.1.4)
- geologist minier (cod ESCO 2114.1.6)
- drilling fluid analyst (ESCO code 2114.1.7)
- oceanographer (cod ESCO 2114.1.8)
- paleontologist (ESCO code 2114.1.9)
- geophysicist (ESCO code 2114.2)
- mineralogist (ESCO code 2114.3)
- Researcher in environmental conservation (ESCO code 2133.3)
- geological engineer (ESCO code 2142.1.4)
- environmental protection expert (ESCO code 2143.2)
- Higher Education Teacher in Earth Sciences (ESCO code 2310.1.13)