

Geographic Risk Phenomena and Environmental Quality

1. Admission Requirements:

• Prerequisites:

- Graduates with a bachelor's degree from a bachelor's degree course or graduates with an equivalent degree from a long-term university course may apply for admission to the master's degree course.
- Non-EU Citizens - Contingent upon the presentation of the Graduation Certificate from the preparatory year (excluding those who have completed their previous studies in the Romanian language) and obtaining the Letter of Acceptance issued by the Ministry of Education.
- EU Citizens + Swiss Confederation - Contingent upon the presentation of the Graduation Certificate from the preparatory year (excluding those who have completed their previous studies in the Romanian language) and the recognition of their studies by the National Centre for Recognition and Equivalence of Diplomas (CNRED).

• Entrance Exams:

The admission average of registered candidates is made up of:

- Average of the license or equivalent exam - weight 80%
- The grade obtained at the professional interview - weight 20%

2. Degree Levels:

- Master's Degree: 2-year program following a bachelor's degree.

3. Curriculum:

• Core Courses:

Mandatory courses that all students in the program must take:

- Environmental Economy and Sustainable Development
- Geomorphological Risk Phenomena
- Extreme Climatic Phenomena
- Methodology of Scientific Research
- Ethics and Academic Integrity
- Hydrographic Basin Fitting and Flood Protection
- Protection and Improvement of Soil Resources
- Technological Hazards and Risks
- Vulnerability of Natural and Man-Made Ecosystems to Global Changes
- Impact of Environmental Quality on Population Health
- Elaboration of Impact Studies
- Quality, Monitoring, and Management of the Environment
- Influence of Tourism Activities on Human Habitat
- Natural and Anthropogenic Risks in the Dynamics of Human Settlements
- Research Practice
- Elaboration of Dissertation Work

• Electives:

- Environmental Geology

- Methods for Determining and Interpreting Physico-Chemical and Biological Characteristics of Environmental Elements
- GIS Applications in Environmental Protection and Spatial Planning
- Remote Sensing Applications in Environmental Protection and Spatial Planning

- **Major/Concentration:**

- This program offers an advanced exploration of geographic risk phenomena and environmental quality, equipping students with specialized knowledge and skills to analyze and address complex challenges in the field. Courses cover a range of topics, including environmental geology, methodologies for assessing environmental elements, and applications of Geographic Information Systems (GIS) and remote sensing in environmental protection and spatial planning. Students engage in comprehensive studies to understand geomorphological and climatic risk factors, explore the vulnerability of ecosystems to global changes, and assess the impact of environmental quality on population health.

- **General Education Requirements:**

- Successfully fulfilling mandatory and optional courses and seminars, actively participating in research within student circles, and contributing to scientific conferences.

4. **Credits:**

- Each semester carries a weight of 30 ECTS, with a total of 120 ECTS required for graduation.

5. **Internships and Practical Experience:**

- Specialized practice is a pivotal component of our academic program, taking place at the well-equipped practice base of Valahia University located in Fundata, Braşov County. This facility provides students with hands-on experiences and real-world applications, enhancing their practical skills and understanding of geographical concepts.
- In tandem with this, our itinerant practice offers a dynamic learning experience, spanning a 3-4-day circuit that exposes students to diverse geographical settings. This mobility fosters adaptability and a broader perspective on geographical phenomena.

6. **Research Requirements:**

- Compilation of the Master's Dissertation Thesis.

7. **Academic Advising:**

- The study program is overseen by a tutor, and the preparation of the Master's Dissertation Thesis is conducted under the guidance of a scientific coordinator.

8. **Extracurricular Activities:**

- Extracurricular activities are carried out within the student scientific circles: George Vâlsan (physical geography); Ion Conea (historical geography and toponymy); N. A. Rădulescu (human geography); Vintilă Mihăilescu (regional geography). Through

these circles, students not only enhance their knowledge in specific subfields but also cultivate a collaborative and intellectually stimulating environment that enriches their overall academic experience.

- Students may have the option to participate in clubs, organizations, or extracurricular activities related to their field of study or personal interests.

9. Examinations:

- Didactic activities will span 14 weeks during each semester and conclude with oral, written, or practical examinations. Successful completion of these exams is mandatory to earn study credits.

10. Dissertation Defense:

The prerequisites for defending a dissertation before a committee include:

- Attainment of 120 ECTS credits throughout the program.

11. Graduation Requirements:

- Graduation necessitates the fulfillment of all program requirements, encompassing the completion of the required credit hours and the successful defense of the dissertation.

12. Degree Awarding:

- Master's degree in Geographic Risk Phenomena and Environmental Quality.