University of Science and Technology - Houari Boumediene (USTHB) – Algiers Algeria

MASTERS IN SCIENCE IN EARTHQUAKE ENGINEERING AND DISASTER RISK MANAGEMENT

The course aims to train practitioners able to participate at all levels of decision-making processes, and better integrate earthquake engineering and disaster risk management into development strategies and development projects. This Masters programme provides students with specialised scientific and technical training in the fields of earthquake engineering and disaster risk management.

The educational objectives of the Masters are:

- To introduce students to the problem of earthquake engineering and disaster risk management
- To identify and study the processes which generate earthquake risks and their impacts
- To provide training on earthquake engineering
- To provide students with the skills to needed to apply this knowledge by promoting case studies and problem solving
- To familiarise students with software used to assess the vulnerability of built structures

Specific admission requirements:

Applicants should have an academic degree in civil engineering. The programme is also open to students holding equivalent qualifications in engineering programmes offered by

recognised Ministry of Higher Education and Scientific Research institutions and approved by the USTHB.

Assessment & examination:

Students will be evaluated according to the relevant university regulations and will be required to take the following assessments:

- Timed tests
- Timed examinations
- Homework
- Short reports
- Field visits and continuous evaluation will account for 40% students' overall mark and a final examination for 60%.

Academic cycle and duration:

This Masters programme runs for four semesters and students are required to complete 120 course credits (30 per semester). Among the 120 credits, 108 credits will comprise taught courses (90%), 10 credits independent study and practical training (8%) and the remainder transversal disciplines. The fourth semester focuses on field training and the preparation of a student thesis.

Contact details

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