

Graduate Studies

The department of Earth Sciences offers following course and research-oriented graduate degree programs:

- M.Sc. in Geophysics, Seismology and gravimetry, Tectonics, Sedimentology, Hydrogeology, and Geological remote sensing: Two-year programmes with 10 to 12 courses.
- PhD in Geophysics, seismology and Gravimetry: Four-year programme with at least 6 courses.
- Seamless direct MSc-PhD programme in Seismology: A five-year programme, 2 years on passing courses and 3 years on carrying out researches.



Department Facts



Since **2004**



18 Faculty



224 Alumni



47 Students

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**Institute for Advanced Studies
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**Department of
Earth Sciences**

www.iasbs.ac.ir

Departmental Overview

The Department Earth Sciences at the IASBS is dedicated to research and education at the graduate level. We offer M.Sc. and PhD programmes in various fields of geology, remote sensing, and geophysics. We have active research in numerous multidisciplinary areas in geophysical potential fields, Seismology, geohazard, active tectonics, space-borne geodesy, sedimentology, petrology, climate change, hydrogeology, groundwater hydrology and hydro-environmental analysis.

Areas of Study

- Deep Earth Structure
- Study of Earthquake Sources
- Continental Deformation (Short to Long Term)
- Hydrogeophysics
- Hydroclimate and Environmental Monitoring
- Reservoir Geology
- Sedimentary Basin Analysis

Head of the Department:
Dr. Khalil Motaghi
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Research Facilities

The Department has several instrumental, analytical, and computational facilities at the service of its teaching and research programs. Our main laboratories include:

- Geophysical instrument pool
- Sample preparation
- Hydrochemistry
- Sedimentology
- Microscopy
- Image processing
- ICP Mass Spec. Lab
- Computational Lab

Further analytical facilities housed in other departments of the institute are also available to our faculty and students. We also have a range of general facilities to support student activities that include personal office space, computer lab, map collections and databases, and meeting rooms.

www.iasbs.ac.ir/departments/earth/

