



香港中文大學理學院

FACULTY OF SCIENCE

THE CHINESE UNIVERSITY OF HONG KONG

Earth & Environmental Sciences Programme **NEW**

Global climate change, environmental pollution, natural hazards, biodiversity loss, and the current energy and food crisis are all critical issues of public concern. The new **Earth and Environmental Sciences Programme** (EESC) integrating Earth System Science and Environmental Science will equip students with the latest knowledge and technical skills to observe, understand, analyse, and model the systems and processes that drive natural and anthropogenic global environmental changes.

What will I achieve by studying in EESC?

In this programme, particular emphasis is placed on multidisciplinary and combined theoretical-observational approaches to understanding the problems stated above and formulating potential solutions. Students will acquire a strong comprehensive foundation in the dynamics of the Earth and its environment, with options to specialize in the following streams to suit their background, interests and career objectives: (i) Atmospheric Science, (ii) Geophysics, and (iii) Environmental Science and Technology. Students will be given opportunities to gain valuable quantitative and analytical skills, and build their capabilities via laboratory work, field studies, numerical modeling and programming experience, seminars, workshops and research projects. Further enhancing these are exchange opportunities at overseas universities as well as internships in the Hong Kong Observatory and other government agencies, geotechnical firms, environmental organizations, and the educational sector.

Photo: Apple Chui



EARTH AND ENVIRONMENTAL SCIENCES PROGRAMME

FACULTY OF SCIENCE · THE CHINESE UNIVERSITY OF HONG KONG

地球與環境科學課程

<http://www.sci.cuhk.edu.hk/eesc> ; Email: eesc@cuhk.edu.hk; Tel. 39439624



What careers will EESC prepare me for?

On graduation, students are well prepared for jobs in the government, NGOs, and industries, including but not limited to

- geotechnical survey and engineering
- meteorological and marine services
- climate, energy and environmental consulting and management
- environmental protection and conservation
- pursue further studies
- educational sector.

Admission Requirements (4-year BSc in Earth & Environmental Sciences)

Students may be admitted directly through

EARTH AND ENVIRONMENTAL SCIENCES (JUPAS code: JS4648) or SCIENCE broad-based admission (JS4601) pathways

General requirement (DSE minimum scores):

English (3), Chinese (3), Liberal Studies (2), Mathematics - Compulsory part (3)

Programme elective requirements (DSE minimum scores - 4):

Biology/Chemistry/Physics/Geography/Combined Science/Mathematics extended modules (M1/M2)

Stream Declaration

Students can select study schemes that enable them to pursue specializations in

Atmospheric Science,

Geophysics,

Environmental Science & Technology or

remain in *the general Earth and Environmental Sciences stream.*

Stream declaration will occur in Year 1 for students admitted through the JS4648 pathway.

Students admitted through the Broad-based pathway (JS4601) can declare their preferred stream anytime during their degree.



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