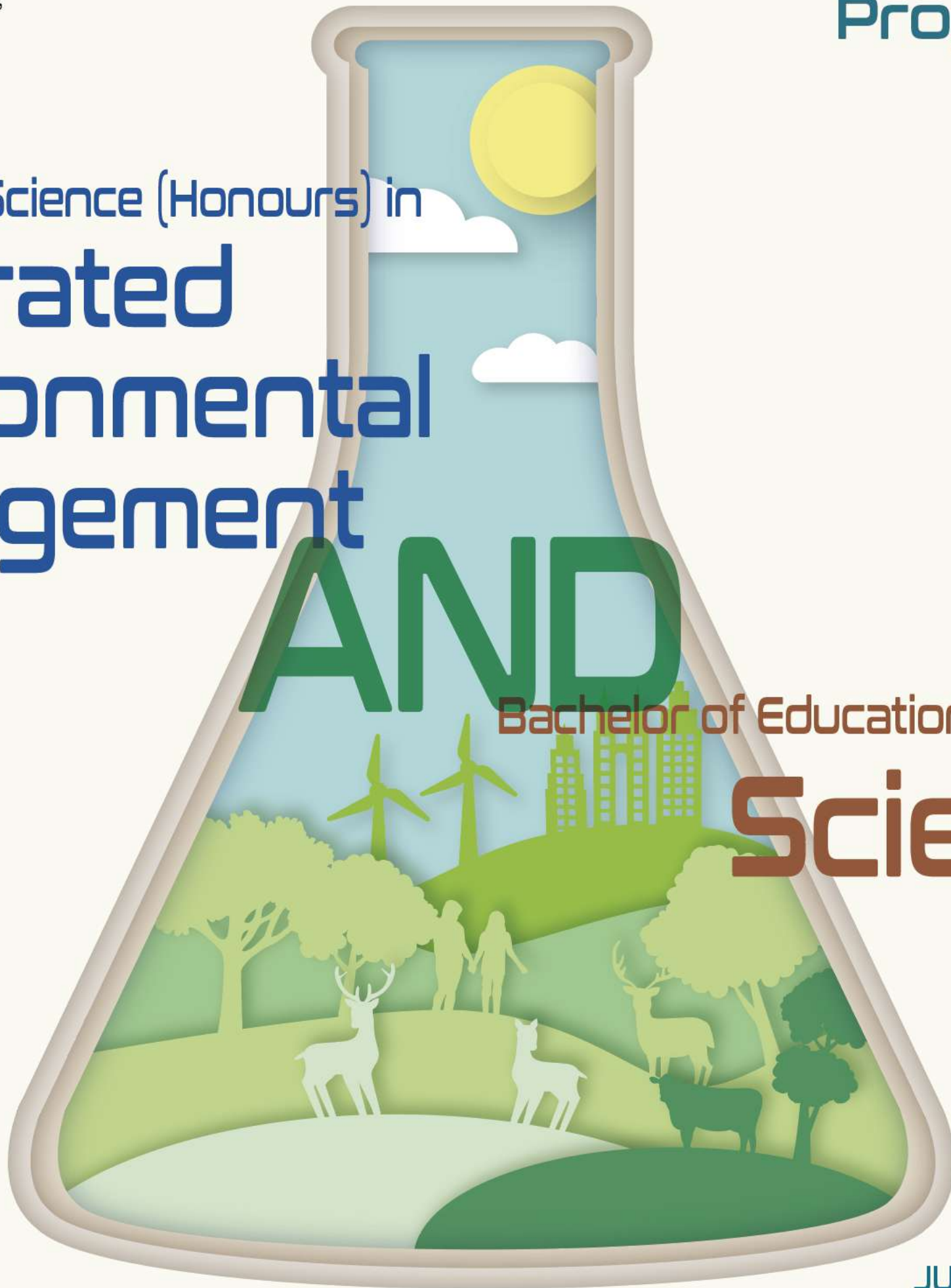


Bachelor of Science (Honours) in
**Integrated
Environmental
Management**

AND

Bachelor of Education (Honours)
Science



Programme Aims

The co-terminal double degree programme [BSc(IEM)&BEd(SCI)] encompasses two mutually reinforcing features: The Education Major in Science equips graduates with the capability to teach Science from Key Stages 1 to 4, including primary level, junior secondary level, and senior secondary level (Biology/Chemistry which will be offered in the alternate years). This Major emphasises Science curriculum in schools and field experiences to develop teacher professionalism. The Discipline Major in Integrated Environmental Management (IEM) provides interdisciplinary training in science, computing, socioeconomic aspects, and regulations, enabling graduates to address environmental issues from multiple perspectives, and includes an internship in the environmental management area. Given the promotion of STEAM education in primary and secondary schools, there is a growing demand for teachers with expertise in STEAM-related subjects. The double degree programme aligns with the University's mission of nurturing outstanding educators with cross-sectoral training and offers graduates multiple career pathways in both the education and environmental sectors.

*Chemistry Major will be offered in 2025/26.

Programme Features

Internship

- Provides students with the opportunity to apply, practice and integrate their knowledge and skills acquired in the other courses of the programme to solve authentic environmental problems.

Field Experience

- Students will be placed in schools which are important sites for learning how to teach and where they will interpret, generate, integrate and experiment with theoretical concepts.

Final Year Project: Capstone Project and Honours Project

- Students have the option to choose a Capstone Project, applying their content knowledge acquired through the programme in a community. Alternatively, students can opt for an Honours Project, applying the knowledge acquired from the programme in a research context in the field of education and/or environmental science setting in year 4 and year 5 of study.

Teaching & Learning Methods

- Multiple teaching methods will be adopted according to necessity and feasibility in various courses as specified in the individual course outlines.

Experience Sharing

CHU Cheuk Man Year 3 Student

Bachelor of Science (Honours) in Integrated Environmental Management

“The Bachelor of Science (Honours) in Integrated Environmental Management (IEM) programme has been an eye-opening experience for me. It has made me realise that each environmental issue in Hong Kong requires its own unique solutions and management methods. The courses have equipped me with the necessary knowledge and skills to conduct in-depth research on these complex problems. The lab and field skills, and the application of various theories have been instrumental in our local and overseas field investigations. These experiences have enabled us to validate the knowledge we gained from textbooks through firsthand observations.”



LO Ying Tung 2023 Graduate
Bachelor of Education (Honours) (Science)

Recipient of the Hong Kong Outstanding Prospective Teachers Award – Silver Award

“The five-year bachelor programme in the Department of SES provided me with professional knowledge in both scientific studies and educational theories to prepare for each stage. Experienced educators shared their valuable experiences with us. These sharing allowed us to critically reflect on our teaching in integrating science and pedagogical knowledge according to different situations in schools. The programme combined rigorous academic study and experiential learning in authentic settings. All of these prepared me to be more compassionate, creative and advocated for the education field and helped me prepare for the Award.”



Programme Structure

Domain		Credit Points
Major	Discipline Major	35
	Education Major	33
	Cross-Faculty Core Course	3
Education Studies	Education Studies Core	24
	Pedagogy for Major	6
Field Experience		22
General Education		18
Language Enhancement		9
Final Year Project (Honours Project / Capstone Project)		6
Total		156



Entrance Requirements

HKDSE students must have:

- Level 3 or above in English Language and Chinese Language; and
- Level 2 or above in Mathematics (Compulsory Part); and
- “Attained” in Citizenship and Social Development; and
- Level 4 or above in one of the following elective subjects: Biology / Chemistry / Physics; and
- Level 2 or above in one elective subject.

For non-local students:

- an IELTS overall band of 6.0 (academic); or
- Grade C / Grade 4 or above in IGCSE / GCSE / GCE O-level English; or
- a TOEFL score of 80 (internet-based test); or
- Other equivalent qualifications deemed acceptable by the University.

Career Prospects

Graduates will have acquired sufficient subject matter knowledge and pedagogical content knowledge in their chosen science subjects individually teach Science in primary level and junior secondary level, and Chemistry in senior secondary level. They may apply for registration as Registered Teacher (RT). Furthermore, graduates can seek employment across a wide range of fields, including Environmental Organisations, Public & Private Sectors in Environmental Management, Environmental Testing, etc.



Admission Enquiries

 (852) 2948 6886

 admission@eduhk.hk

 www.apply.eduhk.hk/ug

Programme Enquiries

 Ms Kim YAN

 (852) 2948 8882

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As the 2025/26 academic year is the beginning of the 2025/26 - 2027/28 triennium, the programmes to be offered in the 2025-28 triennium with allocation of UGC-funded places are still subject to the Government's approval.

Every effort has been made to ensure the accuracy of the information contained in this leaflet. Changes to any aspects of the programmes may be made from time to time as due to change of circumstances and the University reserves the right to revise any information contained in this leaflet as it deems fit without prior notice. The University accepts no liability for any loss or damage arising from any use or misuse of or reliance on any information contained in this leaflet.

Any aspect of the courses and course offerings (including, without limitation, the contents of the course and the manner in which the course is taught) may be subject to change at any time at the sole discretion of the University if necessary. Without limiting the generality of the University's discretion to revise the courses and course offerings, it is envisaged that changes may be required due to factors including staffing, enrolment levels, logistical arrangements, curriculum changes, and other factors caused by change of circumstances. Tuition fees, once paid, are non-refundable.

Students admitted into this programme are required to visit the Greater Bay Area (GBA) and/or other parts of Mainland China. The programme may also require students to participate in other non-local learning experience for completion of the programme. While the visits are subsidised, students are required to contribute part of the estimated cost of the visits ("students' contribution"), whereas any personal entertainment, meals expenses, travel document fee and personal insurance costs shall be at students' own expense. The estimated cost of the visits and students' contribution for students admitted to the coming cohort is yet to be available due to a variety of factors such as inflation of cost of the visits, trip duration, traveling expenses, the exchange rate, etc.

EdUHK is one of the teacher education providers in Hong Kong. Graduates of the University's teacher education programmes are eligible to apply to become fully qualified Registered Teachers. For registration as a teacher, graduates should approach the Teacher Registration Team of the Education Bureau (EDB) to submit applications directly. All applications will be independently assessed by the EDB which will consider, among other things, whether an applicant has been convicted of any criminal offence (including sex-related offences) in Hong Kong or elsewhere, or is involved in any ongoing criminal proceedings or investigations. For details, please browse the EDB's official website.

Students admitted into this programme are normally assigned a focus of study (i.e. primary or secondary level) by the end of their first year of study. The focus of study will be reflected in the arrangements for their Field Experience and adopted for the purpose of application for Registered Teacher in Hong Kong upon graduation. This programme is designed to provide students with the disciplinary and professional competency to teach in both primary and secondary schools. However, recognition of Registered Teacher in primary or secondary schools in Hong Kong is subject to the decision of the Education Bureau (EDB). Graduates of this programme are required to approach the Teacher Registration Team of the EDB to submit applications directly and all applications will be independently assessed by the EDB.