



香港教育大學

The Education University
of Hong Kong

Bachelor of Science (Honours) in

Integrated Environmental Management

(Four-year Full-time)

綜合環境管理榮譽理學士

(四年全日制)

Normal Period of Study :

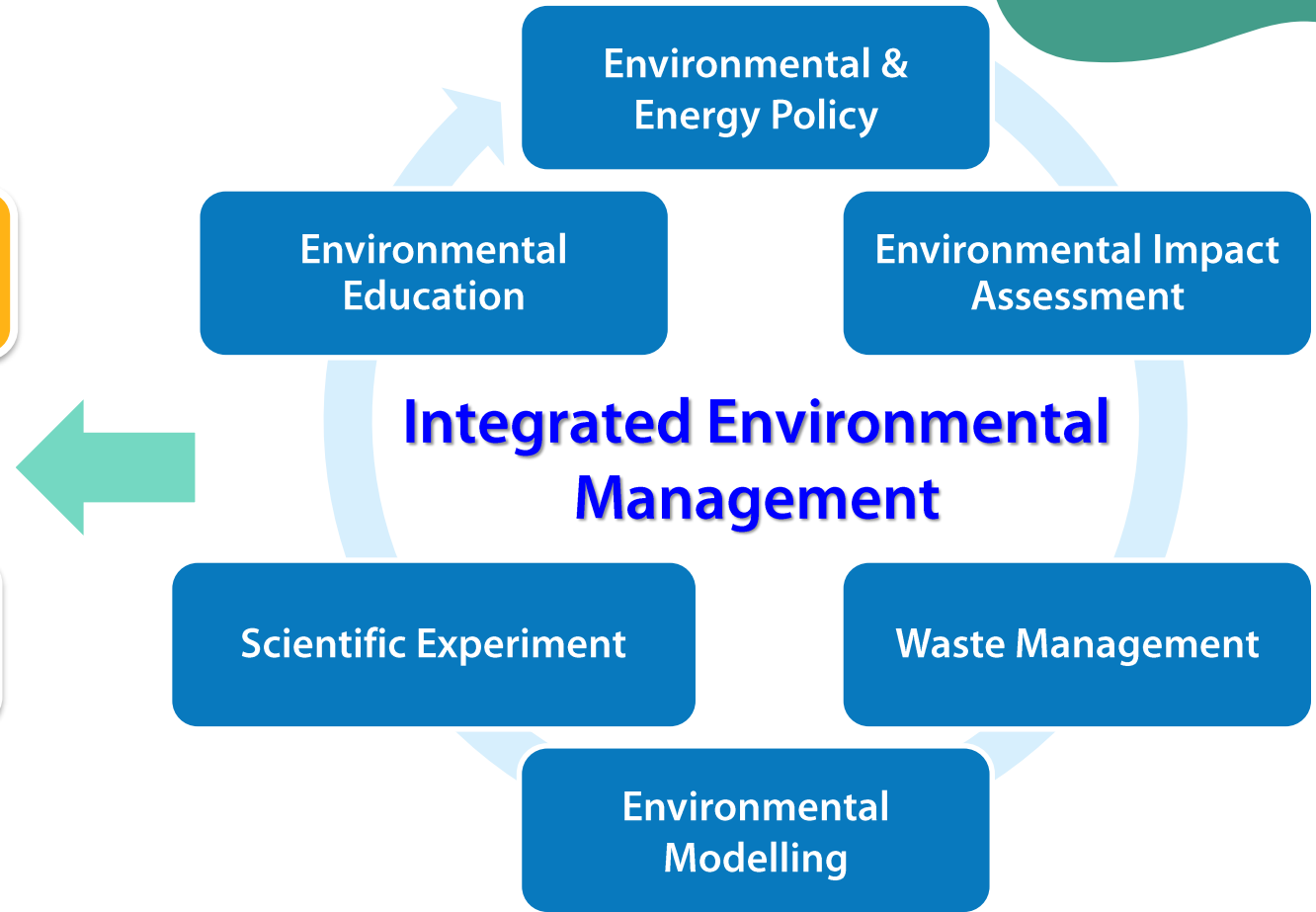
4 Years (for Year 1 Admissions)

2 Years (for Senior Year Admissions)



Programme Code : **JS8702 (JUPAS)** / NJ8702S (Non-JUPAS)

Programme Features



Programme Features

全面而深入理解

In-depth Integrated Understanding

Analyses pressing environmental sustainability challenges at the local, regional and international levels from scientific, regulatory, institutional and ethical perspectives.

實證為本、
溝通導向

Evidence-based & Communication-driven

Develops sustainable solutions and recommendations based on prudent use of scientific evidence and conveys important messages related to environmental sustainability through quality communication.

經驗學習

Experiential Learning

Enables students to apply their knowledge and skills through participating in the Internship, overseas field trip*, experiential learning activities, and other community engagement activities.

**not applicable for Senior Year Entrants*

Programme Structure

Domain		Year 1 Admissions	Senior Year Admissions
		Credit Points (cps)	
Majo	Major Core		
	Coursework	39	24
	Overseas Field Trip	3	/
	Internship	3	3
	Major Elective	3	3
	Cross-Faculty Core Course	3	/
	Major Interdisciplinary Course	3	3
Final Year Project	Honours Project / Capstone Project	6	6
Second Major* / Minor(s) / Electives		30	15
General Education		22	6
Language Enhancement		9	/
Total:		121	60

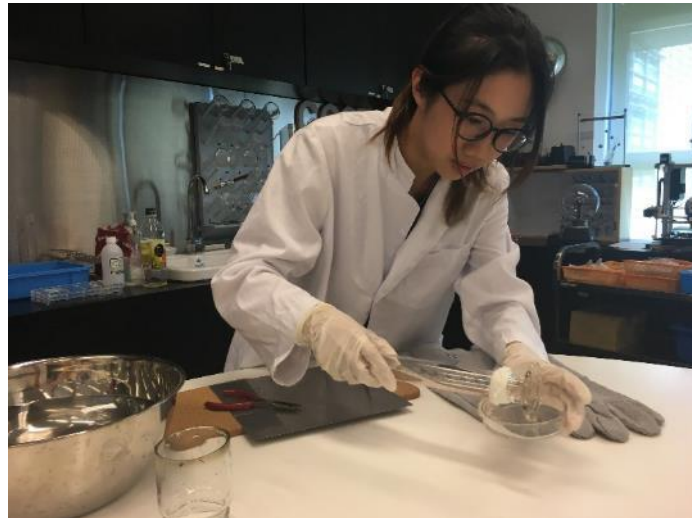
Students are required to visit the Greater Bay Area (GBA) for a short trip (e.g. 1-day or 2 day 2 night trip) in order to complete the Cross-Faculty Core Course.

Major Courses

Domain	Courses in Year 1 & 2	Courses in Year 3 & 4
Core Courses	Society and Nature	Environmental Impact Assessment
	Ecology	Environmental Modelling
	Environmental Science and Management	Environmental Ethics
	Statistics for Environmental Analysis	Internship
	Pollution Control and Waste Management	Environmental Politics and Policy
	Spatial Data Analysis and GIS	Environmental Economics
	Contemporary Environmental Issues	Environmental and Public Health Risk Assessments
		Food Security, Safety and Management
Elective Courses (Choose 1)		Environmental Education and Communication
		Conservation and Management of Natural Resources
		Innovative Technologies for Environmental Management
Interdisciplinary Course		The Sustainable Development Goals and Education

Internship

Students will have opportunities to conduct Internship in relevant organisations during the 3rd summer block (between Year 3 and Year 4).



Final Year Project

Students can choose to conduct Honours Project or Capstone Project:

Honours Project

Research in environmental science and management and in related disciplines

Capstone Project

Environmental communication for promoting public awareness

Minor / Electives (15 cps)

Domain	Courses
Science for Environmental Management (環境管理科學)	1. Cells and Microbiology (Minor Core)
	2. Biotechnology: Principles and Applications
	3. Analytical Chemistry: Instrumentation & Quantitative Analysis (Minor Core)
	4. Industrial Chemistry: Environmental & Technology
	5. Energy and Environment (Minor Core)
	6. Innovative Technologies for Environmental Management

or

Domain	Courses
Sustainable Tourism (可持續旅遊)	1. Protected Areas Planning and Management
	2. Principles and Practice of Ecotourism
	3. Cultural Heritage Conservation and Management
	4. Tourism and Sustainability
	5. Accreditation and Certification for Tourism Industry
	6. Environmental Education and Communication
	7. Environmental Science and Management
	8. Issues in Heritage Conservation and its Policy

Go Global



90%+

students who have applied for Exchange Programme receive exchange offers

One-semester Credit Bearing Exchange



200+

Exchange Partners

Leadership Enhancement & Development Programme Outside Hong Kong



30+

Countries

Summer Community Outreach Programme

Max.
\$10,000
for each undergraduate students



Career Prospect

就業前景



Entrance Requirements (**Year 1 Entry**)

- **HKDSE applicants**

Subject	Minimum Level
English Language	3
Chinese Language	3
Mathematic (Compulsory Part)	2
Liberal Studies	2
One Elective Subject (Biology / Chemistry / Physics / Combined Science / Integrated Science / Geography)	2



EdUHK Self Nomination Admissions Scheme for STEM-related Programmes

- The EdUHK Self-Nomination Admissions Scheme is designed for JUPAS applicants with exceptional potential and outstanding talent in music, sports, **STEM** or visual arts.
- **Applicants can submit their self-nominations to the BSc(IEM).**
- Applicants shortlisted will be interviewed in February or June. Students with excellent performance in the interview(s) will be given priority of admission, if deemed appropriate.



EdUHK Self Nomination Admissions Scheme for STEM-related Programmes

Eligibility

- Put BSc(IEM) as **Band A choice(s)** in JUPAS application;
- Obtain high performance standard in respective STEM areas with relevant achievements;
- Recommended by relevant associations/ organisations/ schools (optional but preferable).



www.apply.eduhk.hk/ug/selfnom

JUPAS Application Statistics

BSc (IEM) Figures (As of Sep 2022)

Application Statistics (after Modification of Programme Choices)

Year	Band A	Band B	Band C	Band D	Band E	Total
2022	152	118	150	178	191	789

100% from Band A

Offer Statistics (as at the Announcement of the Main Round Offer Results)

Year	Band A	Band B	Band C	Band D	Band E	Total
2022	20	0	0	0	0	20

Retrieved from JUPAS Website

<https://www.jupas.edu.hk/en/programme/eduhk/JS8702/>

Entrance Requirements (**Senior Year Entry**)

- Quality students holding recognized post-secondary qualifications or attending final year of a recognized sub-degree programme such as Associate Degree/Higher Diploma or equivalent.
- E.g., environmental science/studies, geography, science, engineering or related disciplines with a good GPA.
- <https://www.apply.eduhk.hk/ug/senioryear>



Normalised Mean cGPAs

2022/23 Entry

Programme Title	No. of Admitted Local Senior Year Entrants	Normalised Mean cGPAs <i>(with a cap at 4.00)</i>
Bachelor of Science (Honours) in Integrated Environmental Management	31	3.10

[Non-JUPAS \(Senior Year Admissions\) - Entrance Requirements | Undergraduate Programmes | The Education University of Hong Kong \(eduhk.hk\)](#)

Points to Note

- **Indicate** your preference (**i.e. Senior Year Admission**) on the online application form via our application system.
- If you fail to do so, we will assume that you prefer to be admitted to the **first year studies** of our undergraduate programmes.
- For those who have not been offered a senior year place, will be considered for year one entry. Block credit transfer up to 24 credit points (i.e. equivalent to the total required credit points for Year 1 study) will be granted to eligible AD/HD graduates with good cumulative GPA.

Important Dates

**30 Nov
2022**

Closing Date
for **Early
Round**
Applications

**12 Jan
2023**

Closing Date
for **Main
Round**
Applications

**Late Jul
2023**

Programme
Registration

07 Dec 2022

JUPAS
Application
Deadline

**15 May
2023**

Closing Date
for **Late
Round**
Applications

Aug 2023

New Student
Orientation

Scholarship

<https://www.apply.eduhk.hk/ug/scholarships>

- Entrance Scholarships for Entrants of UGC-funded programmes. Applicants with outstanding achievements will be considered for the scholarships.

Name of Scholarship	Amount Each (HKD)
EdUHK Entrance Scholarship for Local Students <i>(for full-time Government funded undergraduates)</i>	Full Scholarship: \$90,000 p.a. (renewable) <i>(for current year HKDSE student with the highest score who fulfil the requirements of the Tuition Scholarship)</i> Tuition Scholarship: \$42,100 p.a. (renewable) <i>(for current year HKDSE students with admission score of 24 or above in any best 5 subjects, and at least a level 4 plus a level 5 in Chinese Language and English Language)</i>
EdUHK Entrance Scholarship for Senior Year Entry Local Students <i>(for full-time senior year entry undergraduates)</i>	\$10,000 p.a. (renewable)



Programme Information and Enquiries

Admission Enquiries

 (852) 2948 6886

 admission@eduhk.hk

 www.apply.eduhk.hk/ug

Programme Enquiries

Dr MAN Yu Bon Brian

 (852) 2948 8917

 ybman@eduhk.hk

Ms Carley YIK

 (852) 2948 6438

 ckyyik@eduhk.hk



University Campus



Student Hostels





3rd in Asia and
17th in the
world

**World class
recognition**

(QS) World University
Rankings by Subject
(Education and Training)
2022

“Education-plus”
vision

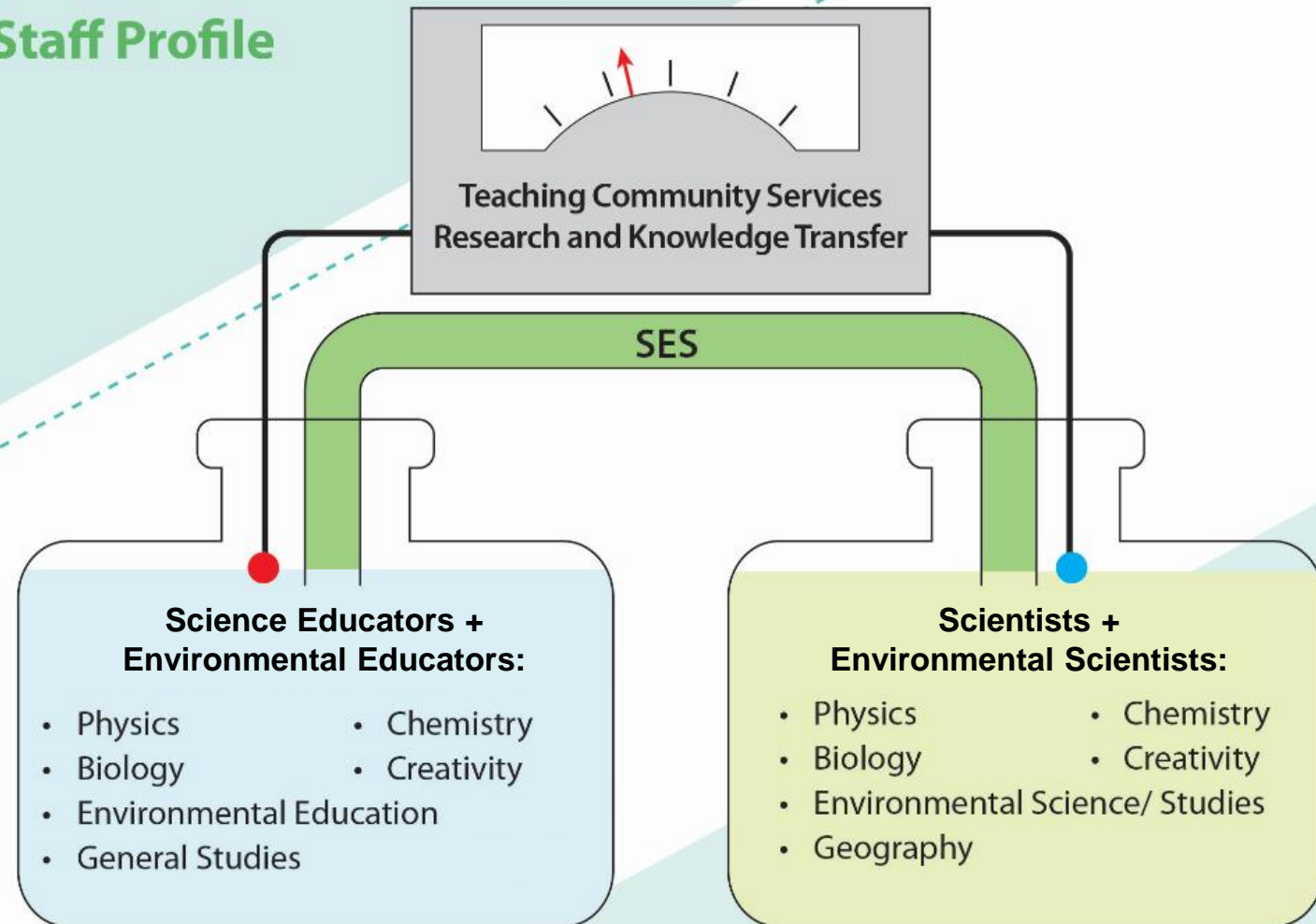
**An education
that is
more than
Education**

Our academic scope is not limited to the traditional strength of teacher education but has expanded to a wide range of complementary programme offerings.



About SES Department

SES Staff Profile



International Awards and Prizes

Stanford University List of World's Top 2% Scientists 2021

- ▶ Prof WONG Ming Hung
- ▶ Prof WU Shiu Sun Rudolf
- ▶ Prof HO Wing Kei Keith
- ▶ Dr LI Wai Chin
- ▶ Dr TSANG Yiu Fai Chris
- ▶ Dr AU Ka Man Vonika
- ▶ Dr Fok Lincoln

The graphic features a purple background with a grid of seven circular portraits of scientists. Each portrait is set against a colored background with a scientific field label. The scientists are arranged in two rows: three in the top row and four in the bottom row. The top row includes Prof WONG Ming Hung (Environmental Sciences), Prof HO Wing Kei (Physical Chemistry), and Prof Rudolf WU (Marine Biology & Hydrobiology). The bottom row includes Dr LI Wai Chin (Environmental Sciences), Dr TSANG Yiu Fai (Environmental Sciences), Dr FOK Lincoln (Environmental Sciences), and Dr AU Ka Man Vonika (Organic Chemistry). The Education University of Hong Kong logo is in the top left, and the Department of Science and Environmental Studies logo is in the bottom right. A reference is provided at the bottom left.

香港教育大學
The Education University
of Hong Kong

Stanford University List of World's Top 2% Scientists (2021*)

ENVIRONMENTAL SCIENCES
PHYSICAL CHEMISTRY
MARINE BIOLOGY & HYDROBIOLOGY

Prof WONG Ming Hung
Prof HO Wing Kei
Prof Rudolf WU

ENVIRONMENTAL SCIENCES
ENVIRONMENTAL SCIENCES
ENVIRONMENTAL SCIENCES
ORGANIC CHEMISTRY

Dr LI Wai Chin
Dr TSANG Yiu Fai
Dr FOK Lincoln
Dr AU Ka Man Vonika

*Reference:
Ioannidis, John P.A. (2022), "September 2022 data-update for "Updated science-wide author databases of standardized citation indicators"; Mendeley Data, V4, doi: 10.17632/btchxktzyw.4

科學與環境學系
Department of Science
and Environmental Studies

International Awards and Prizes

- >10 Awards and Prizes in the **international competitions**, e.g. The International Exhibition of Inventions of Geneva and International Invention Innovation Competition in Canada since 2018
- **Highly Cited Researcher** 2018, 2019 & 2020 by Clarivate Analytics: (Prof HO Wing-kei, Keith)
- **Milton P. Gordon Award for Excellence** in Phytoremediation, by International Phytotechnology Society (Prof WONG Ming-hung)
- **National Innovation Award** in Aerosol Technology, by Chinese Society of Particuology (Prof HO Wing-kei, Keith)



SES Department and Facilities

Laboratory of Marine Pollution (Consortium Member of State Key Laboratory of Marine Pollution (SKLMP))



Physics Laboratory



Chemistry Laboratory



Astronomical optics laboratory

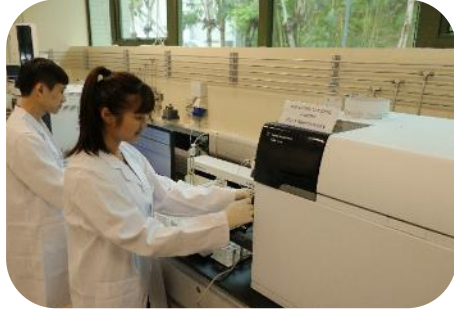


Biology Laboratory

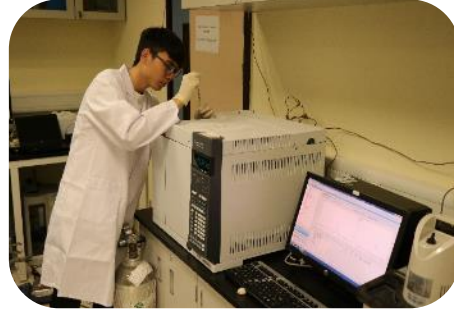


STEM Laboratory

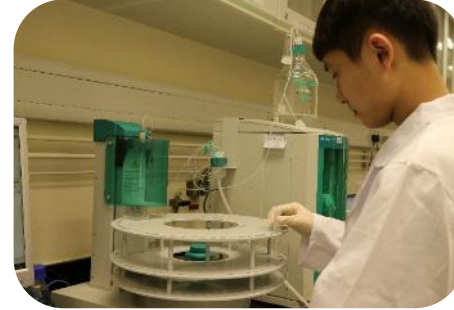
SES Department and Facilities



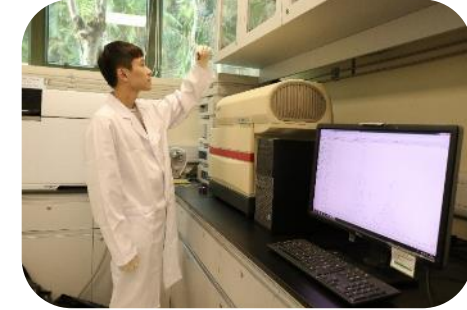
Inductively Coupled Plasma
Mass Spectrometry
(ICP-MS)



Gas Chromatography(GC-
FID/TCD/FPD Analysis)
GC-(FID/TCD)



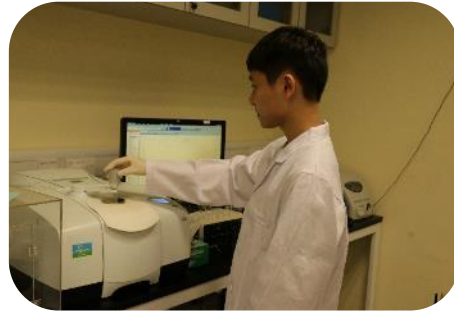
Ion- Chromatography



High-Performance Liquid
Chromatography (HPLC)



Total Organic Carbon
Analyzer (TOC-L)



Fourier Transform Infrared
Spectroscopy (FTIR)



3D Printer



Laser Cutter



SES Department and Facilities

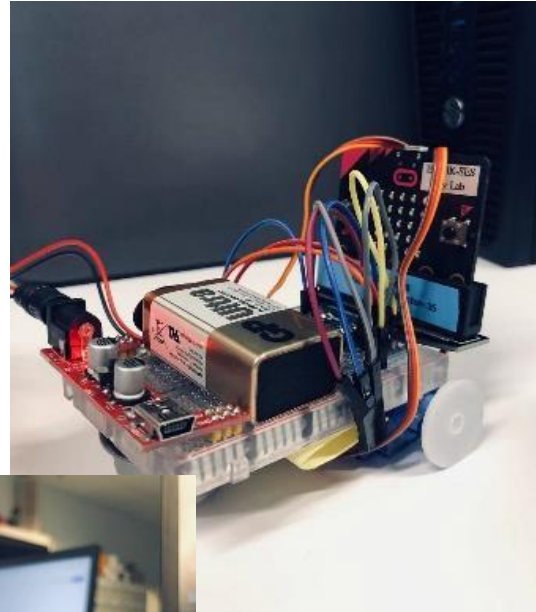


Ultracentrifuge and CHNO/S elemental analyzer

LCMSMS and GCMS



SES Department and Facilities



STEM Laboratory

- ▶ Laser Machine
- ▶ 3D Printer
- ▶ Make block Robotics
- ▶ Drilling Machine
- ▶ Many different tools for STEM experiments



SES Department and Facilities



Established in 2016, which serves several purposes:

- ▶ Facilitating the University's development of environmental studies;
- ▶ Providing education for sustainability;
- ▶ Enhancing students' knowledge and awareness of environmental protection.



Overseas Learning Opportunities

Korea



Singapore



Japan



吉林向海湿地宣教中心



Jilin Province

Malaysia



Informal Learning

Students have opportunities to participate in...





Diving Team
潛水隊

Eco-garden Farmers
and Surveyors
生態園農夫與生物多樣性調查隊

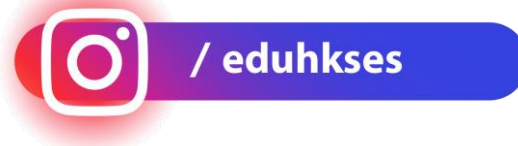
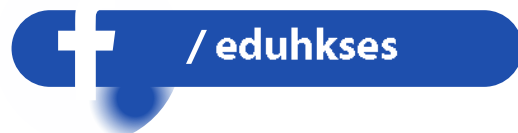


More Information

Department of Science and Environmental Studies

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✉ dses@eduhk.hk



Disclaimer

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