

# BSc in Environmental Management and Technology (EVMT)

JUPAS code | JS5812



**GREEN INSPIRES IDEAS**



# ADVANCE SUSTAINABILITY IN BUSINESS

Sustainability and the protection of our environment are among the greatest global concerns of today and tomorrow, with an ever-more pressing need to find a balance between human development and environmental well-being.

The pace-setting BSc in Environmental Management and Technology (EVMT) program offers a unique opportunity for motivated students to move ahead in this area, educating a new generation of environmental professionals with cross-disciplinary knowledge to deliver ecologically and economically sound solutions and to take up the role of managers in environmental and sustainability industries, including the rapidly growing Environmental, Social, and Governance (ESG) field in Hong Kong and around the globe. EVMT is accredited by the Hong Kong Institute of Qualified Environmental Professionals (HKIQEP).

## INTERDISCIPLINARY STUDY FOR TOMORROW'S LEADERS

### CURRICULUM

Drawing on the HKUST's expertise in science, engineering, management and the social sciences, the EVMT program lets students examine issues from multiple viewpoints, encouraging them to integrate different perspectives into the generation of innovative solutions.

 EVMT	 Business	 Social Science	 Engineering	 Science
<ul style="list-style-type: none"><li>• Energy Sources and Usage</li><li>• Environmental Economics</li><li>• Environmental GIS</li><li>• Environmental Laboratory</li><li>• Environmental Law</li><li>• Environmental Technology for Impact Assessment</li><li>• ESG Management and Reporting</li><li>• Green Business Strategy</li><li>• LCA for Sustainable Development</li></ul>	<ul style="list-style-type: none"><li>• Business Finance</li><li>• Business Statistics</li><li>• Economics</li><li>• Management</li></ul>	<ul style="list-style-type: none"><li>• Environmental Psychology</li><li>• Policy Analysis and Design for Sustainable Development</li></ul>	<ul style="list-style-type: none"><li>• Air Quality Control and Management</li><li>• Environmental Control</li><li>• Environmental Impact Assessment</li></ul>	<ul style="list-style-type: none"><li>• Biodiversity</li><li>• Chemistry</li><li>• Ecology</li><li>• Mathematics</li></ul>

### CAPSTONE PROJECTS

Capstone project is a core component in the EVMT curriculum that provides final year students with real-world and hands-on experience. A team of 3 to 4 students will work on a corporate-sponsored project in which they can synthesize and apply knowledge from their courses under the supervision of a faculty member.

#### ACADEMIC YEAR

<b>2022-23</b>	<ul style="list-style-type: none"><li>• Strengthening Inter-Regional Collaboration on Disaster Risk Management and Transboundary Risks (Asian Development Bank)</li><li>• Shaping Sustainable Investing Policies in Asia-Pacific (Allianz Global Investors)</li></ul>
<b>2021-22</b>	<ul style="list-style-type: none"><li>• Emerging Climate-related Social Risks Identified in News and Social Media (LINK)</li><li>• Sustainable Procurement Guideline at the Hongkong and Shanghai Hotels Limited (Hongkong and Shanghai Hotels Limited)</li></ul>
<b>2020-21</b>	<ul style="list-style-type: none"><li>• 3D Quantitative Assessment of Light Pollution (ARUP / The Green Earth)</li><li>• Community Air Management (Environmental Protection Department, HKSAR)</li></ul>
<b>2019-20</b>	<ul style="list-style-type: none"><li>• The Future of Renewable Energy and Smart Grids in Jeju Island under Climate Change (Eco Brain)</li><li>• Enhancing Green Collaboration between Building Owners and Tenants (Business Environment Council Limited)</li></ul>

# FOSTERING GREATER COMPETITIVE EDGE

The program offers opportunities such as internships and overseas exchange, as well as the training of essential skills such as communication, teamwork and leadership. These experiences broaden students' world views, making them competitive candidates for key environmental roles in the business, governmental and institutional sectors.

## EXCHANGE PROGRAM

The overseas exchange program provides EVMT students with valuable opportunities to acquire new insights and develop greater independence and confidence. To date, EVMT students have studied at over 40 universities around the world, including the ETH Zurich – Swiss Federal Institute of Technology, KTH Royal Institute of Technology, Leiden University, The University of New South Wales, University of Auckland, University of British Columbia, University of California, San Diego, University of Copenhagen, University of East Anglia, University of Exeter, University of Pennsylvania, and University of Sussex.



## INTERNSHIPS

EVMT students have previously undertaken internships with Adidas Sourcing Limited, AECOM, Airport Authority Hong Kong, Bloomberg, CLP Group, Crystal Group, Deloitte, Environmental Protection Department, Ernst & Young, Great Eagle Group, Hutchison Ports, MTR Corporation Limited, PricewaterhouseCoopers, Roma Group, Swire Properties Limited, and WWF-Hong Kong, among others.



# MAKE A DIFFERENCE FROM THE ONSET

Environmental sustainability is a global challenge and should be a concern of every organization. The complex interface between the environment and the organization is one that requires a blend of skills in both environmental science and management. With integrated academic and practical training, EVMT graduates are uniquely positioned to answer the growing demand for environmental professionals. Graduates can expect to pursue careers in multinational firms, government and non-governmental organizations.



## EMPLOYERS OF EVMT GRADUATES

### Business and Commerce:

- Adidas
- Ernst and Young
- Fuji Xerox
- Hang Seng Bank
- New World Development Company Limited
- Orient Overseas Container Line
- Schneider Electric (HK) Ltd.
- Sino Group
- Swire Properties Limited
- UBS Group AG

### Environmental Consultancy:

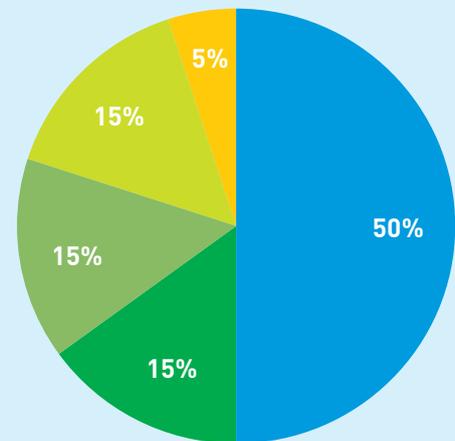
- AECOM
- Arcadis
- ARUP
- Hong Kong Productivity Council
- Mott MacDonald Hong Kong Limited
- Ramboll Hong Kong Limited

### NGO/NPO:

- Civic Exchange
- Hong Kong Green Building Council
- Ocean Park
- Redress Asia
- Teach4HK

### EVMT graduate employment statistics by sectors:

- Business and commerce
- Environmental consultancy
- Non-Governmental Organization (NGO) / Non-Profit Organization (NPO)
- Further studies
- Others



# WORDS FROM EVMT ALUMNI

**Esther KIM (Class of 2021)**  
ESG Consultant, PwC Korea



My pure passion for the environment motivated me to study Environmental Management and Technology (EVMT). I knew that I was interested in the environment early on as I had led many related activities during high school, including monthly beach clean-ups. However, I didn't know how I could turn this passion into a career.

For me, EVMT perfectly complemented this future path reflection because I got to explore many different fields of environmental study. I was able to imagine myself as an ESG consultant after studying the Green Business Strategy and ESG Management and Reporting courses. I also thought of working as a lawyer when I was studying Environmental Law and Regulations. Working as a policy maker also seemed fulfilling while I was studying the Economics for Environmental Policy and Management course.

The multidisciplinary curriculum of EVMT program can certainly guide and prepare anyone who wants to find an environment-related career. I am truly grateful to have studied EVMT at HKUST because I was equipped with sufficient knowledge and background to pursue my dream job in the emerging ESG field.



**Michael WANG (Class of 2021)**  
Management Trainee,  
John Swire & Sons (H.K.) Limited



EVMT caught my eye with the opportunity it provides students to explore real-world sustainability issues from various perspectives. The curriculum incorporates different disciplines, including engineering, business, and even law and psychology. Courses like Green Business Strategy made me appreciate the complexity of sustainable development, and inspired me to design innovative solutions that balance environmental protection and social development. The comprehensive curriculum equipped me with the skills and courage that I needed to agilely adapt and tackle new challenges in uncharted waters.

Furthermore, the EVMT experience enabled me to structurally formulate and present creative ideas on sustainable development-related issues like energy efficiency and resource conservation — skills which enabled me to shine on international stages, like the grand finals of the global case competition by Schneider Electric in Spain and the Asian University Alliance forum in Kazakhstan. The sustainable and future-oriented mindset that EVMT cultivated in me also laid an exceptional foundation for my career, helping me stand out among graduates at a time when stakeholders are becoming increasingly conscious of their sustainability agenda and are looking for talent with relevant potential.



**Jeremy CHUNG (Class of 2022)**  
Sustainability Analyst, Schneider Electric



I still remember the day when my parents told me environmental studies is not a professional career and I should instead pick something like accounting, but the professional field within sustainability has expanded so rapidly within the past 4 years that I am proud to say that I have made the right decision in joining EVMT.

While our studies cover multiple bases on Corporate Sustainability, Environmental Engineering and even Business Studies, which is great, but to me, the value of EVMT truly lies in the interpersonal skills that I've refined during the program. Even during COVID, we were constantly invited to join networking events and sustainability conferences, challenging us to break out of our comfort zones and establish our profession network. With the sustainability industry being such a tight knit community, having built these connections has definitely proved useful during job hunting or even in corporate collaborations!

While we all joined EVMT for our passion for sustainability, we stayed for the "Culture"! Your batch mates might just become your closest friends and your professors may just become your mentor. All in all, I'm proud to say I'm from this amazing family of EVMT, and we welcome you with open arms.



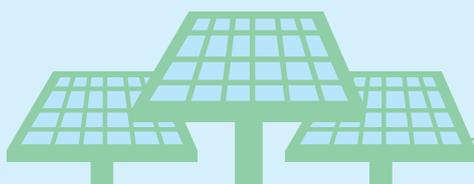
**Jessie CHUNG (Class of 2022)**  
Graduate Analyst, BlackRock



Integrating sustainability into business has long been my interest. When I first came across the unique interdisciplinary curriculum EVMT offers, I knew this program would be perfect for me to acquire knowledge on both environmental management and the business world. The diversity of curriculum helped me to understand environmental issues from the points of view of different stakeholders.

I recommend EVMT for more than just academic reasons. EVMT is a close-knit community of peers, alumni, and faculty members who are always happy to help and guide. I am extremely grateful that I got to be a part of this family, and indeed lots of my most memorable experiences in HKUST come from the classes, case competitions, and activities I did with these people.

EVMT also helps you to navigate well in the job market. Understanding and managing sustainability risk is now the top priority for all governments and companies. With the surge of demand for sustainability professionals, EVMT gives you the competitive edge employers are looking for these days.



# ADMISSIONS

## JOINT UNIVERSITY PROGRAMMES ADMISSIONS SYSTEM (JUPAS) APPLICATION

Prospective local mainstream secondary school students may apply EVMT through JUPAS. Suitable candidates will be admitted directly to EVMT via program-based admission in Year 1. Students who prefer more time to explore their interests can first apply for admission to any of the four Schools (Science (SSCI), Engineering (SENG), Business and Management (SBM) or Humanities and Social Science (SHSS)) at HKUST via school-based admission, and then apply to enroll in EVMT major via the Major Declaration Exercise at the end of the first year of study.

### PROGRAM-BASED ADMISSION



EVMT JUPAS code: JS5812

HKDSE Minimum Admissions Requirements					
English	Chinese	Mathematics (Compulsory)	Citizenship & Social Development	1st Elective	2nd Elective or M1 / M2
4	3	3	Attained	3	3

Remarks:

1) Grade C or above in Category C subjects will also be considered as 2nd Elective. 2) Shortlisted candidates may be invited for an interview.

### SCHOOL-BASED ADMISSION



### NON-JUPAS APPLICATION

Interested students holding international qualifications, local sub-degree qualifications or post-secondary or other qualifications may submit applications through the HKUST Online Application System. Please visit <https://join.hkust.edu.hk/> for details.



### Division of Environment and Sustainability

Room 4412 (Lift 17/18), Academic Building,  
The Hong Kong University of Science and Technology,  
Clear Way Bay, Kowloon, Hong Kong

☎ (852) 2358 8363  
🏠 (852) 2335 9317  
@ evmt@ust.hk

🌐 [www.envr.ust.hk/evmt](http://www.envr.ust.hk/evmt)  
📷 [hkust.envr](https://www.instagram.com/hkust.envr)