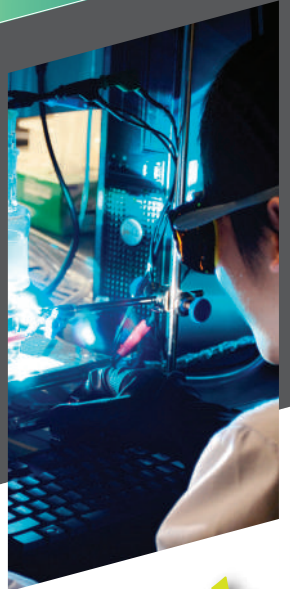




香港城市大學
City University of Hong Kong

學術樓
Academic Building

Postgraduate
Programmes



School of Energy & Environment

First in Hong Kong

With cutting-edge research and professional education in energy and environment

Energy & Environment
— The Grand Challenge



SEE Website



香港城市大學
City University of Hong Kong

Master of Science in Energy and Environment

理學碩士 (能源及環境)

Mode of study:
2-year part-time or
1-year full-time

Maximum period of study:
5-year part-time or
2.5-year full-time



Aims of the Programme

This programme aims to equip students with the necessary knowledge and skills in the areas of energy and environment, with special reference to the Asian settings. In particular, the programme caters to the rising demand from the business and industry sectors for managers with contemporary views on energy, environment and sustainability. Besides emphasis on technical sciences, graduates of the programme are equipped with holistic knowledge in the related energy and environmental aspects of economics, policies and laws. Based on such knowledge, the graduates can develop innovative and creative solutions to various energy and environmental problems.

Accreditation

Our programme is accredited by the Institution of Gas Engineers and Managers (IGEM) and Chartered Institution of Water and Environmental Management (CIWEM). Graduates who have successfully completed the degree can partially fulfill the academic requirements* for registration as Chartered Engineer (CEng), UK.

** with an accredited BEng/BSc Degree from any of Washington Accord's 19 Signatories*

Curriculum Design

- attain 30 credit units in one year/ two years, or within the maximum period of study, according to the University's rules and regulations
- complete five core courses and five elective courses each with 3 credit units, or five core courses and three elective courses with a dissertation which is 6 credit units

Core Courses

- Data Analysis in Environmental Applications
- Energy Efficiency and Conservation Technologies
- Energy Generation and Storage Systems
- Environmental and Energy Policy
- Environmental Pollution: Theories, Measurement and Mitigation

Electives Courses

- Advanced Thermosciences for Energy Engineering
- Air Pollution and Atmospheric Chemistry
- Building Performance Assessment
- Carbon Audit and Management
- Climate Change: Science, Adaptation and Mitigation
- Dissertation
- Ecosystem and Environmental Toxicology
- Emerging Energy Technologies
- Energy and Environmental Economics
- Energy and Environmental Law
- Energy, Environment and Sustainable Development
- Environment Chemistry and Physics
- Environmental Assessment
- Environmental Impact Assessment Principles and Practice
- Environmental Modelling
- Experimental Techniques in Energy and Environment
- Gas Engineering – Theories and Practices
- Solid Waste Treatment and Management
- Wastewater Engineering and Water Quality Assessment

Master of Philosophy (MPhil)

哲學碩士

Mode of study:
2-year full-time

Doctor of Philosophy (PhD)

哲學博士

Mode of study:
4-year full-time

Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) in all energy- or environment-related subjects in which SEE faculty members have expertise.

Before making an application, candidates are requested to contact one of the faculty members in SEE in the relevant subject discipline to discuss their proposed research topic within that discipline. A two-page research statement is also required to be submitted together with the application for admission.



Research and Development

Our established research expertise in energy- & environment-related subjects are grouped in research teams to engage in and develop cutting-edge research. Current research areas include:

ENERGY

Conversion & Generation

Prof. Alex KY JEN
Prof. Michael K. H. LEUNG
Prof. Yun Hau NG
Prof. Angus Hin-Lap YIP
Dr. Sam H.-Y. HSU
Dr. Patrick LEE
Dr. Chunhua LIU
Dr. Sai Kishore RAVI
Dr. Jin SHANG
Dr. Patrick SIT
Dr. Edwin C.Y. TSO
Dr. Jian WANG
Dr. Xue WANG
Dr. Wei WU

Efficiency & Storage

Prof. Guohua CHEN
Prof. Michael K. H. LEUNG
Prof. Angus Hin-Lap YIP
Dr. Sam H.-Y. HSU
Dr. Chunhua LIU
Dr. Patrick SIT
Dr. Edwin C.Y. TSO
Dr. Jian WANG
Dr. Xue WANG
Dr. Wei WU
Dr. Denis Y. W. YU
Dr. Lin ZHANG

ENVIRONMENT

Atmosphere & Climate

Prof. Chak K. CHAN
Prof. Alvin Chi Keung LAI
Dr. Jung-Eun CHU
Dr. Jin-Soo KIM
Dr. Patrick LEE
Dr. Theodora NAH
Dr. Jin SHANG
Dr. Xuan WANG

Water & Waste

Prof. Guohua CHEN
Prof. Wen-Xiong WANG
Prof. Yun Hau NG
Dr. Alicia K. J. AN
Dr. Shauhrat S. CHOPRA
Dr. Liang DONG
Dr. Henry Y. HE
Dr. Sam H.-Y. HSU
Dr. Jason C. H. LAM
Dr. Carol LIN
Dr. Theodora NAH
Dr. Sai Kishore RAVI

SUSTAINABILITY

Sustainability & Policy

Prof. Alvin Chi Keung LAI
Dr. Shauhrat S. CHOPRA
Dr. Liang DONG
Dr. Wanxin LI
Dr. Carol LIN
Dr. Lin ZHANG

For details, please visit :
<https://www.cityu.edu.hk/see/research>



Message from Graduates

“This programme has provided me with the opportunity to work with a multi-disciplinary group of advisers who have real world experience. Their work with government and industry provides me with access to contacts and data I need to study and develop an economically optimal water supply mix.”

David William VON EIFF
(PhD Graduate)



“The MSc Programme covers different areas in the energy and environment sector, and I can gain both theoretical and practical knowledge in the related industry. The range of projects that I had to work on during the MSc study has equipped me with the necessary skills in the workplace such as teamwork and communication skills.”

Chun Ho SO
(MSc Graduate)



Application

For details, please refer to the website of Chow Yei Ching School of Graduate Studies:

MSc Energy and Environment
<https://www.cityu.edu.hk/pg/programme/p63>



MPhil/PhD
<https://www.cityu.edu.hk/pg/research-degree-programmes>

Contact

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Website: <http://www.cityu.edu.hk/see>

