

## Graduate Diploma (GD) and Master of Science (MSc) Programs in Environmental Science and Management

### Program Director:

Arthur P. S. LAU, Adjunct Associate Professor of Environment

The Graduate Diploma (GD) and Master of Science (MSc) programs in Environmental Science and Management are unique programs that provide professional training for graduates to prepare themselves to tackle the rapidly developing environmental issues in Hong Kong and the surrounding region. This multi-disciplinary program is unique because in addition to taking advanced environmental science and management courses, students will also have the opportunity to take up to three engineering electives to help broaden their environmental capabilities. The program will strengthen the students' undergraduate background in important environmental concepts and enhance their ability to apply these environmental concepts to local, regional and global environmental problems. The GD program will provide flexibility to students who are unable to commit the time and financial resources required by the MSc program.

### *Admission Requirements*

Applicants must possess a bachelor's degree with second class honors or higher, or an equivalent qualification.

### *Program Fees*

The nominal program fees for the GD and MSc programs are HK\$45,000 (15 credits) and HK\$90,000 (30 credits), respectively. Any additional credits are not covered by the fees described above. New students admitted with credit transfer are also required to pay the full program fee.

### *Curriculum*

#### MSc Degree

MSc students are required to complete 30 credits of coursework following one of the combinations of course credits below:

	<i>Foundation course credits*</i>	<i>Elective course credits</i>	<i>Project course credits</i>
Coursework only	12	18	-
Coursework plus project	12	12 or 15	3 or 6

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\* *Surplus foundation course credits will be counted toward the elective requirement.*

Students are required to take a minimum of three Environmental Science courses and three Environmental Management courses. At least one Environmental Science course and one Environmental Management course must be chosen from the Foundation Course List. The remaining two Environmental Science and two Environmental Management courses can be from either the Foundation Course List or Elective Course List.

#### Graduate Diploma

GD students are required to complete 15 credits of coursework, with 6 credits of foundation courses and 9 credits of elective courses. They cannot take the project course EVSM 6950. Surplus foundation course credits will be counted toward the elective requirement.

Students are required to take a minimum of two Environmental Science courses and two Environmental Management courses. At least one Environmental Science course and one Environmental Management course must be chosen from the Foundation Course List. The remaining Environmental Science and Environmental Management courses can be from either the Foundation Course List or Elective Course List.

#### Foundation Course List

##### *Environmental Management courses:*

ENVR 5260	Environmental Policy and Management
EVSM 5230	Environmental Health and Management
EVSM 6070	Environmental Impact Assessment

##### *Environmental Science courses:*

ENVR 5210	Environmental Microbiology
EVSM 5220	Advanced Environmental Chemistry
EVSM 5240	GIS for Environmental Professionals

#### Elective Course List

##### *Environmental Management courses:*

ENVR 5250	Environmental Economics and Management
EVSM 5270	Environmental Law
SOSC 5620	Sustainable Development

##### *Environmental Science courses:*

ENVR 6020	Special Topics in Atmospheric Environmental Science
ENVR 6030	Special Topics in Marine Environmental Science
ENVR 6050	Introduction to Oceanography
ENVR 6080	Dynamics of Marine Ecosystems
LIFS 5300	Conservation Biology
LIFS 5320	Ecotoxicology

MATH 5360 Weather, Climate and Pollution

*Others:*

EVSM 6950 MSc Project  
JEVE 5260 Air Pollution Meteorology  
JEVE 5310 Measurement of Air Pollutants  
JEVE 5320 Water Quality and Assessment  
JEVE 5420 Biological Waste Treatment and Management  
JEVE 5460 Design and Management of Physico/Chemical Processes  
of Environmental Engineering

Out-of-curriculum course – A maximum of two PG courses outside the above list of courses may be taken as elective(s) subject to the approval of the Program Director.

***Credit Transfer***

Upon the approval of the Program Director, a maximum of 9 credits can be transferred from other institutions to the MSc program, whereas a maximum of 6 credits can be transferred from other institutions to the GD program.

***Program Transfer***

Students admitted to the GD program may subsequently apply for transfer to the MSc program subject to the approval of the Program Director, and vice versa. Students must apply for the program transfer at least one regular term prior to the completion of the GD program.

***Graduation Requirements***

Students must complete the program with a graduation grade average (GGA) of 2.850 or above as required of all postgraduate students at the University.