

Application

Who should apply?

Architects, Planners, Developers, Estate Managers, Engineers, Surveyors, and Contractor who are interested in the subjects, working on projects requiring them to have a deeper understanding of the topics, and/or wishing to upgrade him/herself in this important field of learning & scholarship.

It is intended to keep the Programmes small and focused in the next few years of operation so that quality and attention to individual students could be attended.

Cost

1 year full time MSc programme is HK\$120,000. 2 year part time MSc programme is HK\$65,000 per academic year.

Admission Requirement

All courses will be conducted in English. Applicant must have a good command of written and spoken English. All students should fulfill the English Language Proficiency Requirement. (CET 6 result is accepted in the application.)

Please refer to the Chinese University of Hong Kong website for information such as application procedures, application period, and request for application materials. You may submit an application through the Internet.*Graduate School website: <http://www2.cuhk.edu.hk/gss/>

申請

誰可以報讀？

所有建築師、規劃師、發展商、物業管理主任、工程師、勘測師、承建商及其他建造業界人仕，如對此課題有興趣，或正進行一些相關工程項目，並有志於此課題上有更深入認識之人仕均可報讀此課程。

為保證課堂質素，課程於未來數年將維持小班教學。

學費

一年制全日理學碩士課程學費為每年HK\$120,000。兩年制兼讀理學碩士課程學費為每年HK\$65,000。

申請要求

所有課程皆以英語授課。申請者必須精通英語。所有學生須於入學前必須達到研究生院對英文水平的要求。（內地學生可憑中華人民共和國大學英語考試六級成績進行申請。）

申請人可瀏覽香港中文大學互聯網查閱所需之申請手續、申請期限及下載申請表格等。申請人亦可透過互聯網提交申請。*研究院網址: <http://www2.cuhk.edu.hk/gss/>

Introducing CUHK

Founded in 1963, The Chinese University of Hong Kong is a forward looking comprehensive research university with a global vision and a mission to combine tradition with modernity, and to bring together China and the West. CUHK teachers and students hail from all corners of the world.

As a top university in Hong Kong and Asia, CUHK aims to nurture students with both specialized knowledge and wisdom for life. CUHK undertakes a wide range of research programmes in many subject areas. The University's insistence on the highest standards of research has won it an enviable research reputation.

The Chinese University is the only institute in Hong Kong with Nobel laureates, including Chen Ning Yang (Physics 1957), James Mirrlees (Economics 1996), Robert Alexander Mundell (Economics 1999) and Charles K. Kao (Physics 2009).

School of Architecture

The School of Architecture at CUHK is supported by over 60 faculty members and supporting staff with current enrolment of more than 400 students. Over the years, the school has produced over 300 professional architects.

In Hong Kong, CUHK has been the regional leader in sustainable and environmental studies. Research team in CUHK has conducted various studies including The Air Ventilation Assessment Methodologies and Urban Climatic Analysis Map; advised the Hong Kong government key strategic actions.

The School of Architecture focus on the research and design for architecture conservation, sustainable design and community participation. They serve Hong Kong and the neighbouring Pearl River Delta in the fields of urban design and sustainable development.

Course Structure

The programmes are based on a number of newly formulated lecture / project courses. Cutting edge research and technology will be put into practice through projects and a dissertation:

- Building Environmental Assessment Method (BEAM Plus)
- Bioclimatic building Design
- Daylighting & Lighting Design
- Urban Climate for Design and Urban Planning
- Building Environmental Performance Assessment
- Topic study Environmental & Sustainable Design:
 - Building & Urban Acoustics
 - Computational Energy Simulation
 - Tropical Architecture & Environmental Design
 - Total Building Performance
 - Green & Sustainable Architectural Development
 - Environmental & Sustainable Design in Practice

International Teaching Group

The programme is unique in that it is taught by the best international team of teachers from the best universities and research institutions around the world. Teachers are all internationally renowned scientists and professors in their field of study:

- Prof. George Baird, Univ. of Wellington, NZ
- Prof. Mike Wilson, Westminster Univ., UK
- Prof. Raymond Cole, Univ. of British Columbia, CA
- Prof. Edward Ng, Chinese Univ. of Hong Kong, HK
- Prof. Rex Britter, MIT, USA
- Prof. Leslie Norford, MIT, USA
- Prof. Adrian Pitts, Sheffield Hallam Univ., UK
- Prof. Lam Khee Poh Carnegie Mellon Univ., USA
- Prof. Brenda Vale, Auckland Univ., NZ
- Dr. Raymond Yau, Ove Arup & Partners HK Ltd. HK
- Prof. Lutz Katzschner, Kassel Univ., DE
- Prof. Janet Barlow, Univ. of Reading, UK

Be an expert in Sustainable and Environmental Design

Green and sustainable architectural design is increasingly a major concern of architects, engineers, government and developers. Climatic responsive architecture not only requires less energy and fewer resources to run, but also provide a more natural, healthy and comfortable environment for its occupants.

Upon completion of the Programmes, students could further what they have learned to improve the environmental design of buildings. Being the only MSc programme in Hong Kong offering BEAM Plus training, the course allows students to have a better understanding of the fundamentals of sustainable and environmental design and how they could be achieved. They will also be able to draw on a wider base of expertise and knowledge. The programme provides more employment options to our students; graduates are working as architect, planner, engineer and researcher in Hong Kong.

The Benefit of the Course

Within the program students can:

Refresh their basic understanding of the subject and learn new knowledge of relevance.

Widen their horizon seeing the global pictures, issues & solutions offered by others in overseas countries.

Debate & investigate, together with teachers & specialist of the programmes, issues & possibilities.

Through design projects, incorporate environmental friendly & sustainable design in a scientific, logical & practical matter.

Build a small network of like-minded to advance the agenda.

A Step Towards Sustainable and Environmental Design

We should strive to live healthily and comfortably with a minimum use of the natural resources (Environmentally), and without compromising the livelihood and needs of our children (Sustainability).

The earth is our responsibility, and we must do two things for our next generations. Firstly, through our responsible actions, leave them a livable world. Secondly, through education, leave them an understanding and a value system so that they could pass them on. The programmes are a step towards the vision.

Professor Edward Ng
MSc Programme Director



MSc (Sustainable and Environmental Design)
(1 year, Full Time or 2 year, Part Time)
香港中文大學可持續與環境設計碩士課程
一年全日制 二年兼讀制

CONTACT US

MSc (Sustainable & Environmental Design) Programme

School of Architecture

The Chinese University of Hong Kong

Shatin, New Territories, Hong Kong

聯繫方式

香港新界沙田

香港中文大學建築學院

可持續與環境設計碩士課程

電話: Tel: +852 3943 6557

傳真: Fax: +852 3942 0982

網址: www.sustain-cuhk.info

香港中文大學可持續與環境設計碩士課程
(1 year Full Time / 2 year Part Time)
MSc (Sustainable and Environmental Design)
一年全日制 二年兼讀制



www.sustain-cuhk.info

通往綠色及可持續環境設計之路

健康舒適的生活和環境應以節約能源和可持續發展為最優先考量。

生態及環境保育是我們共同的責任。為了我們的下一代，我們必須朝兩個方面努力：首先是藉著負責任的行為留給他們一個宜居的生活環境；其次是透過教育傳授清晰的價值觀，並使其延續下去。

本課程乃是針對這個目標而設計。

吳恩融教授
課程主任

成為綠色及可持續環境設計的專家

綠色和可持續建築設計是建築師、工程師、政府部門和房地產發展商日益關注的問題。綠色建築不僅僅低能低耗，同時為市民提供一個更為自然舒適的環境。

通過本課程的學習，學員將會加強對樓宇環境設計之認識，在可持續與環境設計之概念上有更透徹的理解。該課程是全港唯一教授香港建築環境評估標準 (BEAM Plus) 的碩士課程，通過學習，學員將掌握全面的專業知識，成為綠色專才。學員畢業後在港從事建築師、規劃師、工程師、研究員等職業，就業前景廣闊。

課程目標

課程設計為使學生能達至以下目標：

增強學生對本課題的基本認知，學習最新知識。

使學生擁有世界性眼光，瞭解綠色及可持續設計在其他國家的實踐與應用。

與課程教授和專家一起討論並研究綠色及可持續設計中的問題及對策。

透過設計課程，使環境保護與可持續發展理念科學地、實際地融入到設計當中。

讓志同道合之人仕建立網絡，共同推廣綠色環保事業。

科目內容

課程通過精心設計，課題組合新穎。在完成設計項目和論文的過程中，學員將掌握最新之研究成果及技術，並加以應用和實踐。主要科目內容包括：

- 香港建築環境評估標準
- 生態氣候建築設計
- 天然採光和照明設計
- 城市氣候應用設計與城市規劃
- 建築周期造價及成本評估
- 可持續與環境設計 主題研究：
 - 建築與城市聲學
 - 計算機能量模擬
 - 熱帶建築與環境設計
 - 完全建築表現
 - 綠色及可持續的建築發展
 - 可持續與環境設計之實踐

教學團隊

本課程在亞洲區內是獨一無二的，它由來自全世界最好的大學及研究機構的教師團隊執教。本課程為全英語授課，傳授學生最新及最先進的知識。

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|--------------------|-------------|
| George Baird教授 | 惠靈頓維多利亞大學 |
| Mike Wilson教授 | 英國西敏寺大學 |
| Raymond Cole教授 | 英屬哥倫比亞大學 |
| 吳恩融教授 | 香港中文大學 |
| Rex Britter教授 | 美國麻省理工學院 |
| Leslie Norford教授 | 美國麻省理工學院 |
| Adrian Pitts教授 | 英國雪菲爾哈倫大學 |
| 林棋波教授 | 美國卡內基梅隆大學 |
| Brenda Vale教授 | 新西蘭奧克蘭大學 |
| 邱萬鴻博士 | 奧雅納工程顧問有限公司 |
| Lutz Katzschnher教授 | 德國卡塞爾大學 |
| Janet Barlow教授 | 英國雷丁大學 |

香港中文大學

香港中文大學成立於1963年，為研究型綜合大學，以「結合傳統與現代，融會中國與西方」為使命，踴躍奮發，志在千里。

中大是香港乃至亞洲首屈一指的大學，本校宗旨是培育既具專精知識又有處世智慧的人才。中大的研究項目包羅萬象，遍及各個學科。在嚴格的自我要求下，大學的研究一直保持上乘水準，享譽日隆。

中大現為香港唯一擁有諾貝爾獎得主任教的大學，包括楊振寧（物理學獎）、詹姆斯·莫理斯（經濟學獎）、羅伯特·蒙代爾（經濟學獎）。2009年諾貝爾物理學獎得主之一高錕為中大電子系創辦人、講座教授及中大前校長。

建築學院

中大建築學院擁有六十多名教學精英及研究人員，現時在讀學生人數逾四百人，共培育逾三百名專業建築師及研究員。

學院現集中資源探索舊建築、可持續設計及社區參與三大領域，為香港以至華南地區的城市規劃及可持續建築提供重要指引。

中文大學在可持續與環境研究領域處於香港領先地位。中大的研究團隊完成了包括空氣流通評估方法和都市氣候分析圖等項目，研究成果為香港政府在規劃決策方面提供專業意見和支持。