

UGC TARGETED TAUGHT POSTGRADUATE PROGRAMMES FELLOWSHIPS

Local candidates admitted to the Programme with the Fellowship Award shall each receive a sum of HK\$120,000 to help offset programme fee.



MUA ENTRANCE AWARD

The MUA Entrance Award shall be awarded annually to full-time postgraduate students who are permanent residents in Hong Kong and who have been admitted to the MUA programme, on the basis of academic merit, publication of undergraduate dissertation, academic-related activities and achievements.

APPLICATION PROCEDURE

Applications for admission to the Master of Science in Urban Analytics Programme should be made on-line at the University's website. (www.aal.hku.hk/tpg)

Deadline for application:

2 January 2024 at 12:00 noon (GMT +8)

Programme Information



Online Application



CONTACTS

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THE UNIVERSITY OF HONG KONG 香港大學
faculty of architecture 建築學院



Department of Urban Planning and Design
城市規劃及設計系

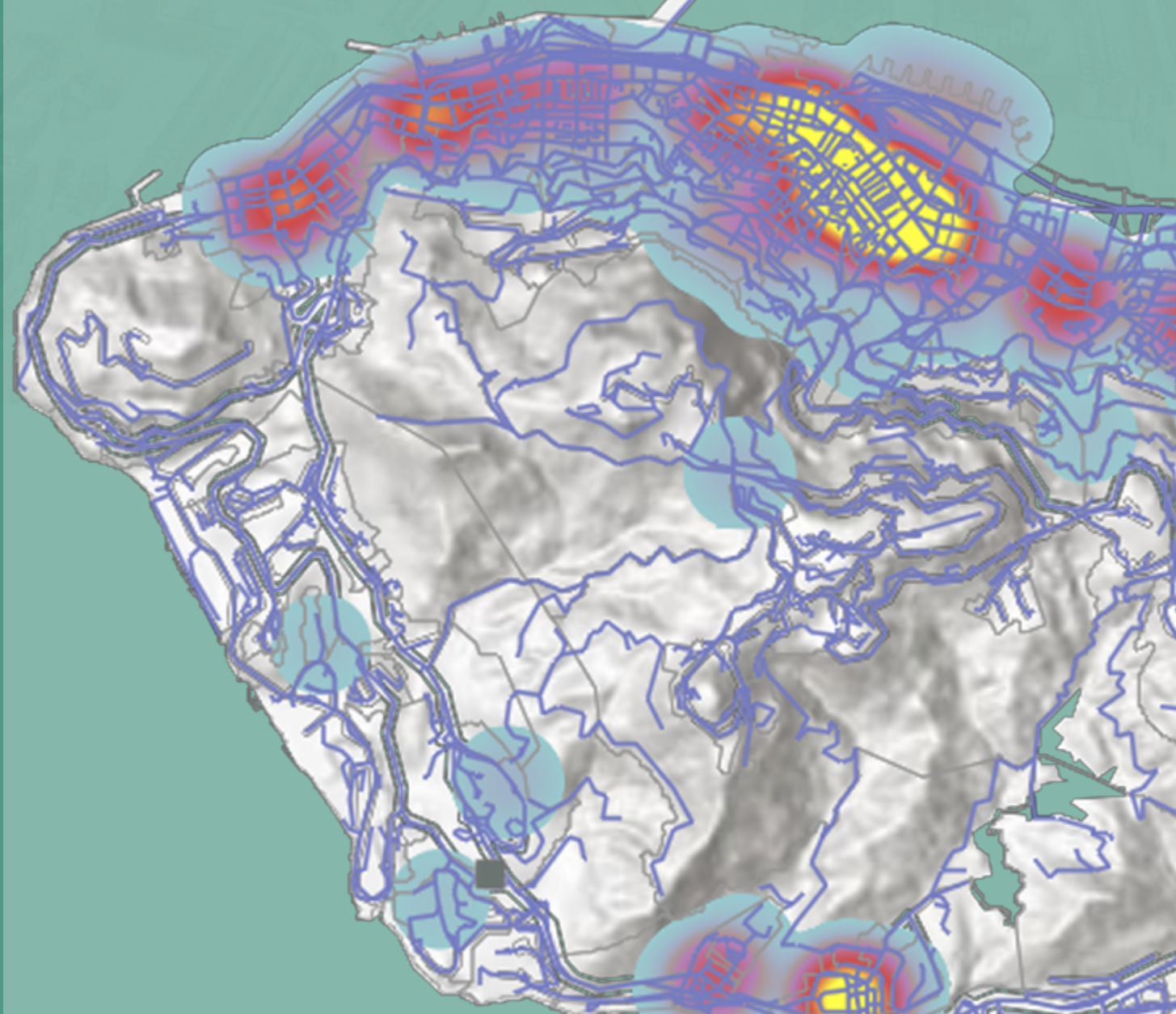
Centre of Urban Studies and Urban Planning
城市研究及城市規劃中心

Master of Science in Urban Analytics

2024-2025

1-Year Full Time

Accredited as a specialism programme by the Royal Town Planning Institute (RTPI)



INTRODUCTION

The Master of Science in Urban Analytics is offered as a one-year full-time programme. The evolving technological basis of cities is reshaping our urban life and allowing us to understand, plan, manage and optimise cities in completely new ways. The Master of Science in Urban Analytics programme is designed to train and upskill students and professionals to enable them to apply novel urban science and analytics in planning and managing the development of cities. Aiming to bridge the disciplines of social science, urban planning and design and data science, the programme provides a balance between analytical and practical skills on the one hand, and on the other, domain knowledge and urban theory from social, economic, behavioural, environmental and management sciences.

PROGRAMME OBJECTIVES

- Equip urban professionals with cutting-edge urban analytics and modeling skills
- Develop good understanding of urban sciences underlying smart city technologies and big data
- Support urban policy makers and urban planning/design/surveying practitioners with urban analytics

PROGRAMME STAFF

Programme Director : Prof. Anthony G.O. Yeh, Chair Professor in Urban Planning and GIS and Academician of the Chinese Academy of Sciences. The programme is taught by a team of staff active in research with publications in top international journals and practical experience (www.arch.hku.hk/people/upad-staff/).

ADMISSION

The degree of Master of Science in Urban Analytics is offered as a one-year full-time programme. To be eligible for admission, candidate shall fulfill the following minimum entry requirements:

- Hold a Bachelor degree in any discipline from the University of Hong Kong or an equivalent qualification from another university or comparable institution;
- For applicants who do not hold a degree from an institution using English as the language of instruction and/or language of examination, they have to satisfy the following language requirement:
 - Test of English as a Foreign Language (TOEFL): a score of 550 or above (paper-based test), or 213 or above (computer-based test), or 80 or above (new internet-based); or,
 - International English Language Testing System (IELTS): a minimum overall band of 6 with no subtest lower than 5.5.

PROFESSIONAL RECOGNITIONS

The programme has received “specialist” accreditation from the Royal Town Planning Institute (RTPI). Graduates could become members of RTPI under the Associate route.



COURSES TO BE OFFERED IN 2024-2025

COURSE STRUCTURE

MSc in Urban Analytics requires 69 credits within the 1-year full-time study. The curriculum of the programme consists of seven urban analytics courses (6 credits each), two urban theory courses (6 credits each; two from an approved list of courses), and a dissertation/capstone project (15 credits).

URBAN ANALYTICS COURSES (Compulsory)

- Programming and Foundations in Urban Data Analysis
- Geographic Information System (GIS) for Urban and Regional Planning Development
- Urban Big Data Analytics
- Artificial Intelligence for Future Cities
- Spatial Mobilities Analytics
- Spatial Planning Analytics
- Science of Cities

URBAN THEORY COURSES (Choose Two)

- Urban Development Theories
 - Planning Practice, Law and Ethics in Hong Kong
 - Public Transport Systems
 - Transport Policy and Planning
 - Transport Economics
 - Transport Network Analysis and Modelling
 - Housing, Planning and Sustainability
 - Globalization and Urban and Regional Development in China
 - Planning Future Cities and Regions
 - International Planning Policy and Practice
 - Housing Economics
 - Transitional Cities: Urban and Housing Development
 - Design, Survey and Modelling for Urban Health
 - Principles of Healthy Cities
 - Health Impact Assessment of Urban Development Projects
 - Key Issues in Ageing Communities
 - Smart and Sustainable Cities
 - Values of Urban Design: Urban, Social, Environmental Economics
 - Morphologies and Urban Design Theories
- * The course list may vary at the time of selection.

DISSERTATION/ CAPSTONE PROJECT

- Dissertation OR
- Smart Planning and Design Studio

For further information and updates about programme and course syllabuses, please visit: www.arch.hku.hk/mua

FEES

The composition fee for the 2024-2025 intake is HK\$217,000 (subject to University's approval), will be paid in 2 installments on semester basis according to the University schedule.

The composition fee only covers tuition fees for courses on offer and student's usage of University facilities, such as health clinic, sports centre and library facilities. It does not include fees such as costs for field trips, software, equipment, printing, binding, stationery, and books.