Hong Kong requires volumetric urban design and placemaking.

The Master of Science in Urban Design and Transport (MScUDT) is a unique interdisciplinary Programme that links urban design and transport studies, marrying design thinking with evidence-based transport analysis techniques to develop a more effective and balanced placemaking approach to cities. Traditional urban design focuses on the built environment and placemaking, largely overlooking the social, economic, and environmental dynamics of urban mobilities and access. In contrast, transport studies focus on operations and management of transport systems, tending to ignore the impact of infrastructures on the urban experience, urban qualities, mobilities equality and its effects on access to opportunities and the enjoyment of places.

The MScUDT focuses on current and emerging challenges at this critical but overlooked confluence of urban design and transport studies. The curriculum aims to enable smart, healthy, equitable and resilient cities of the future, by providing an urban design education informed by knowledge of relationships between transport, land use, built environment and human behaviour. The Programme prepares built environment professionals to tackle the design, creation, and management of people-focused and sustainable cities, whether in Hong Kong, Asia-Pacific or internationally. The Programme is co-organized by the Department of Urban Planning and Design, the Department of Geography, and the Department of Civil Engineering at the University of Hong Kong.

Themes that will be explored in the Programme include present and future multi-modal complexities of placemaking and urban design's interface with transport and infrastructure planning and design; urban design and placemaking theory and practice in an age of climate crisis; the reintegration of slow modes; the emergence of micro-mobilities, surface and air autonomous vehicles.

This programme welcome candidates wishing to work between discipline as deep generalist to bridge 'silos' at the strategic levels with an attention to the details of innovative design delivery across spatial scales that aim to create urban wellbeing and equity. The programme is co-organized by the Department of Urban Planning and Design, the Department of Geography, and the Department of Civil Engineering at the University of Hong Kong.

The MScUDT Programme is equivalent to European Master's Degree measured by the European Credit Transfer System (ECTS). Upon completing the MScUDT programme, graduates are entitled to one-year Hong Kong's working visa (IANG), which can be renewed.


http://www.arch.hku/mudt
The MSc UD&T programme curriculum provides a unique balance blending theoretical, analytical, and design studio courses. Through theory courses introduce inter-disciplinary theories of urban design, transport, and urban planning policies. The analytical courses introduce urban science quantitative approaches, machine learning methods and novel behavioural network science analytics and tools for evidence-based urban design and transport policy design. The course studio provides students with opportunities to integrate through design thinking the acquired knowledge, analytics, skills, and techniques to engage with the complexity of urban transitioning of communities. The capstone experience emulates professional situation, where research about urban design, placemaking, mobilities, accessibility inform, in parallel, an urban design thesis project and thus expose the student to the challenging issue of behavioral and analytics knowledge translation into visioning and communication of policy evolution proposition, area action plan, urban design and placemaking across spatial scales.

This programme equips graduate with knowledge, research and analytic skills for a broad spectrum of careers across the urban planning, transport and urban design industries, leading consulting firms in urban planning, urban design, transport, and infrastructure, serving as bridge between engineering, urban design and urban planning.

During the two academic years of study in the programme, students are expected to complete a minimum of 120 credits of courses including core, two studio courses and one research dissertation and urban design project thesis.

**Core Courses (Compulsory)**
- Morphology and Urban Design Theories (6 credits)
- Foundations in Spatial Data Analysis (6 credits)
- Planning Sustainable Cities and Regions (6 credits)
- Societal Mobility Analytics (6 credits)
- Public Space Design Analytics (6 credits)
- Urban Design-Research Methods and Techniques (6 credits)
- Survey and Data Analysis in Transport Studies (6 credits)
- Behavioural Travel Demand Modelling & Forecasting (6 credits)
- Strategic and New Town Urban Design Studio (9 credits)
- Public Transport Interchange Urban Design Studio* (9 credits)

**Dissertation/Capstone experience**
- Research Dissertation and Urban Design & Transport Thesis Project (30 credits)

*The studio includes an international field study visit.

The Research Dissertation – Urban Design and Transport Thesis reviews. Studio is led by a course studio leader/teaching assistant.

**Programme Structure**

<table>
<thead>
<tr>
<th>Core Courses (Compulsory)</th>
<th>Introduction to Urban Design and Policy (6 credits)</th>
<th>Introduction to Transport and Systems (6 credits)</th>
<th>Introduction to Urban Planning (6 credits)</th>
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<tbody>
<tr>
<td>Foundations in Spatial Data Analysis (6 credits)</td>
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<tr>
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**Elective Courses** (Choose three)
- Transport Policy and Planning
- Transport Economics
- Optimisation Techniques for Transport Applications
- Transport Network Analysis, Modelling and Project Appraisal
- Planning, Managing and Financing the Development Process
- Floral Art, China and Hong Kong
- Land and Real Estate Markets: Smart Governance, Finance and Business Models
- GIS for Urban and Regional Planning Development
- Housing, Planning, and Sustainability
- Mobility by a bicycle
- International Housing Policies and Practices
- Tourism Study: Urban and Tourism Development
- *Course title may vary at the time of offer. Selection of elective courses is subject to availability and approval.

**Amissions**

The Master of Science in Urban Design and Transport is a two academic years (two semesters) programme, including research and thesis. Students who are admitted must be eligible for admission candidate shall fulfill the following minimum requirements:

- Hold a Bachelor degree with honours in related urban or transport disciplines 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 where English is the language of instruction and/or language of examination, they must satisfy the following language requirement: a score of 90 or above (TOEFL iBT); 550 or above (paper-based test) or a score of 213 or above (computer-based test), or 6.0 or above (internet-based test).

**Programme Fee**

The annual tuition fee is HK$ 320,000 (subject to government approved increase in fees). The programme fees cover tuition for courses and student’s usage of University facilities, including health clinic, sports centre, and library. The fees do not include costs for local and international field trips, personal software, printing, binding, stationery, books, and model making.

**Advanced Standing**

Based on previous cognates master of this University or another qualification of equivalent standard, advanced standing from core courses may be granted except for the studio and capstone experience. Applications for advanced standing should be made at the same time of application for admission.

**Professional Recognitions & Accreditations**

**During the year 2022 the Programme will seek recognition by local professional bodies for accreditations for: the UK’s Royal Town Planning Institute (RTP) under its specialism, the Chartered Institute of Logistics and Transport (CILT) and the Hong Kong Institute of Urban Design (HKIUD).**

The programme welcomes applications from students who meet the following qualifications:

**For applicants who hold a degree from an institution with English language as the medium of instruction and examination:**

- A minimum overall band of 7.0 with no subtest lower than 6.0.

**For applicants who do not hold a degree from an institution with English language as the medium of instruction and examination:**

- A minimum overall band of 6 with no subtest lower than 5.5.

**Additional Requirements for English Language Proficiency:**

- **Test of English as Foreign Language (TOEFL):** a minimum overall score of 79 (new internet based).
- **International English Language Testing System (IELTS):** a minimum overall band of 6 with no subtest lower than 5.5.

The composition fees for the year 2022-23 is HK$ 320,000 (subject to government approved increase in fees). The programme fees cover tuition for courses and student’s usage of University facilities, including health clinic, sports centre, and library. The fees do not include costs for local and international field trips, personal software, printing, binding, stationery, books, and model making.

**Beyond resilience, does mass transit driven development foster communities social cohesion and well-being?**

- Does mass transit development lead to a proliferation of local and regional green space? (i.e., parks, public open spaces)?
- Does mass transit development foster policies that support the growth of accessible and affordable housing?
- Does mass transit development promote policies that support the growth of sustainable and healthy communities?
- Beyond ridership, does mass transit oriented development foster communities social cohesion and well-being?

**Faculty:**

- Dr. Zhan Zhao: dupad@hku.hk
- Ms. Michele Leung: mccleung@hku.hk

The MScUDT Programme’s inquiries can be addressed to:

**Dr. Zhan Zhao: dupad@hku.hk**

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**Dr. Zhan Zhao: dupad@hku.hk**

**The application is online only and supporting materials must be uploaded by 12:00 noon 17th January, 2022.**

**Admission deadlines:**

- For admission for the year 2022-23: 30th January, 2022
- For admission for the year 2023-24: 30th January, 2023

Dr. Zhan Zhao: dupad@hku.hk

**The online application form includes the following rubrics:**

1. Personal Information
2. Academic Qualifications
3. Professional Qualification & Work Experience
4. English Language Qualifications
5. References
6. Information, Payment and Submission(s)

https://admissions.hku.hk/tpg/programme-list-2223

**Applications for advanced standing should be made at the same time of application for admission.**

**Professional Recognitions & Accreditations**