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, mobility 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 MScUDT 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 at least one-year Hong Kong’s working visa (IANG), which can be renewed.
**PROGRAMME STRUCTURE**

The MScUDT programme curriculum provides a unique balance blending theoretical, analytical, and design studio courses. The urban theory courses introduce inter-disciplinary theories of urban design, transport and urban planning problems. 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 design studio courses provide 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 information in parallel, in an urban design thesis project and Thus expose the student to the challenging issue of behavioural and analytics knowledge translation into visioning and communication of policy evolution proposition, area action plan, urban design and placemaking across space scales.

This programme equips graduate with know-what, design thinking know-where, 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 courses, two studio courses and one research dissertation and urban design project thesis.

<table>
<thead>
<tr>
<th>Course Codes (Compulsory)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Morphologies and Urban Design Theories (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Programming and Foundations in Spatial Data Analysis (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Planning Future Cities and Regions</td>
<td></td>
</tr>
<tr>
<td>Spatial Modelling Analytics (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Research-Method and Techniques (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Survey and Data Analysis in Transport Studies (12 credits)</td>
<td></td>
</tr>
<tr>
<td>Spatial Planning Analytics (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Transport Network Analysis and Modelling (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Strategy and New Town Urban Design Studio</td>
<td></td>
</tr>
<tr>
<td>Public - Transport Interchange Urban Design Studio*</td>
<td></td>
</tr>
</tbody>
</table>

**Dissertation/Capstone experience**

- Research Dissertation and Urban Design & Transport Thesis Project (30 credits)
- Programming and Foundations in Spatial Data Analysis (6 credits)
- Planning Future Cities and Regions
- Spatial Modelling Analytics (6 credits)
- Research-Method and Techniques (6 credits)
- Survey and Data Analysis in Transport Studies (12 credits)
- Spatial Planning Analytics (6 credits)
- Transport Network Analysis and Modelling (6 credits)
- Strategy and New Town Urban Design Studio
- Public - Transport Interchange Urban Design Studio*

**Course titles may vary at the time of offer. Selection of elective courses is subject to availability and approval.**

**ADMISSIONS**

The Master of Science in Urban Design and Transport is a two academic year, four semesters, full-time programme. To be eligible for admission candidate shall fulfills 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 the language of instruction and/or language of examination, they must satisfy the following language requirement: a score of 7.5 or 6.5 and above, TOEFL; or a score of 213 or above, (computer-based test); or 620 or above, (internet-based).

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

**ProFESSIONAL RECOGNITIONS - ACCREDITATIONS**

During the year 2023-24 the Programme will seek recognition by local (Hong Kong) and international professional institutions:

- The UK’s Royal Town Planning Institute (RTPI) under its specialism scheme.
- The Chartered Institute of Logistics and Transport (CILT)
- The Hong Kong Institute of Urban Design (HKIUD)

**COMPOSITION FEES**

The composition fees for the year 2023-24 is HK$35,200 (subject to approved increases) will be paid in 4 instalments (approximately HK$8,800 per semester).

The composition 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 cognate master of this University or another qualification of equivalent standard, advanced standing from core and elective courses may be granted except for the studios and capstone experience.

**ADMISSIONS**

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

**PROFESSIONAL RECOGNITIONS - ACCREDITATIONS**

During the year 2023-24 the Programme will seek recognition by local (Hong Kong) and international professional institutions:

- The UK’s Royal Town Planning Institute (RTPI) under its specialism scheme.
- The Chartered Institute of Logistics and Transport (CILT)
- The Hong Kong Institute of Urban Design (HKIUD)

**COMPOSITION FEES**

The composition fees for the year 2023-24 is HK$35,200 (subject to approved increases) will be paid in 4 instalments (approximately HK$8,800 per semester).

The composition 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 cognate master of this University or another qualification of equivalent standard, advanced standing from core and elective courses may be granted except for the studios and capstone experience.

**ADMISSIONS**

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

**PROFESSIONAL RECOGNITIONS - ACCREDITATIONS**

During the year 2023-24 the Programme will seek recognition by local (Hong Kong) and international professional institutions:

- The UK’s Royal Town Planning Institute (RTPI) under its specialism scheme.
- The Chartered Institute of Logistics and Transport (CILT)
- The Hong Kong Institute of Urban Design (HKIUD)

**COMPOSITION FEES**

The composition fees for the year 2023-24 is HK$35,200 (subject to approved increases) will be paid in 4 instalments (approximately HK$8,800 per semester).

The composition 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 cognate master of this University or another qualification of equivalent standard, advanced standing from core and elective courses may be granted except for the studios and capstone experience.

**ADMISSIONS**

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

**PROFESSIONAL RECOGNITIONS - ACCREDITATIONS**

During the year 2023-24 the Programme will seek recognition by local (Hong Kong) and international professional institutions:

- The UK’s Royal Town Planning Institute (RTPI) under its specialism scheme.
- The Chartered Institute of Logistics and Transport (CILT)
- The Hong Kong Institute of Urban Design (HKIUD)

**COMPOSITION FEES**

The composition fees for the year 2023-24 is HK$35,200 (subject to approved increases) will be paid in 4 instalments (approximately HK$8,800 per semester).

The composition 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 cognate master of this University or another qualification of equivalent standard, advanced standing from core and elective courses may be granted except for the studios and capstone experience.

**ADMISSIONS**

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

**PROFESSIONAL RECOGNITIONS - ACCREDITATIONS**

During the year 2023-24 the Programme will seek recognition by local (Hong Kong) and international professional institutions:

- The UK’s Royal Town Planning Institute (RTPI) under its specialism scheme.
- The Chartered Institute of Logistics and Transport (CILT)
- The Hong Kong Institute of Urban Design (HKIUD)