## entrance requirements

- A recognized Bachelor's degree in engineering, science, technology, or the equivalent;
- English language requirement of the University

Please visit
www.polyu.edu.hk/study
for details.

## entry scholarship

Departmental Entry Scholarship



## enquiry and application

Programme Leader: **Prof. Qing PEI**

(852) 2766 5972
(852) 2330 2994
qing.pei@polyu.edu.hk

Deputy Programme Leader: **Prof. Yang XU**

(852) 2766 5958
(852) 2330 2994
yang.ls.xu@polyu.edu.hk

**Application Period**
**until April 2026**

## PolyU online application

www38.polyu.edu.hk/eAdmission/index.do

## Programme website

polyu.hk/QvUgd

LSGI.PolyU
2103611393
lsgi.polyu
PolyU-LSGI
/company/lsgi-polyu
/@lsgithehongkongpolytechnic8117

Master of Science in Urban Informatics and Smart Cities | September 2026

The Hong Kong Polytechnic University 香港理工大學
Department of Land Surveying and Geo-Informatics 土地測量及地理資訊學系

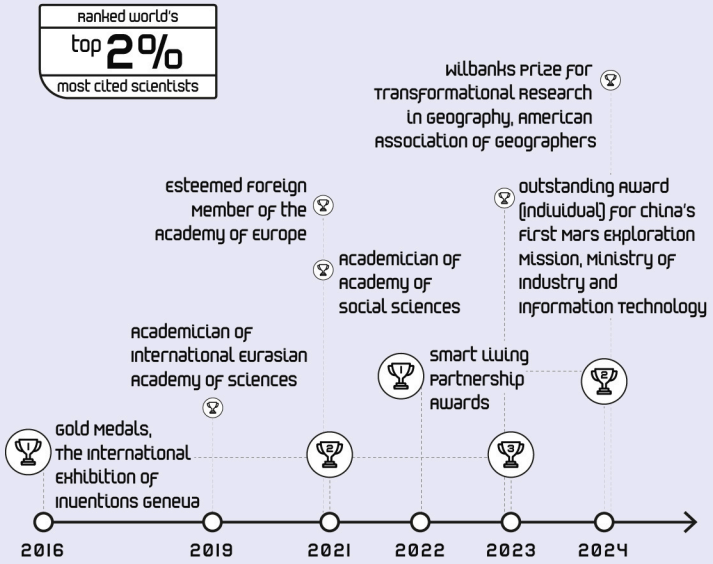
admission to

# Master of Science in urban informatics and smart cities

for entry in

## september 2026

Department of Land Surveying and Geo-Informatics (LSGI) at the Hong Kong Polytechnic University (PolyU) is a world-leading academic unit of geo-spatial information technology in research and teaching. Our academic staff includes prestigious scholars, who are ranked among world's top 2% most cited scientists according to Stanford University. The impact of their research can be recognized by numerous international, national, and regional awards:



Staff members are actively involved in activities of international scientific societies, e.g.

- Editor-in-Chief of ISPRS Journal of Photogrammetry and Remote Sensing
- Editor-in-Chief of Remote Sensing Applications: Society and Environment
- Editor-in-Chief of Urban Informatics
- Associate Editor of Water Recourses Research
- Associate Editor of Journal of Hydrology
- Associate Editor of Journal of Navigation

## Programme outline

| | |
|---|---|
| Duration | 1 to 2 years (Mixed mode Full-time); 2.5 to 5 years (Mixed mode Part-time) |
| Medium of instruction | English |

Students are free to choose one of the three options (i.e. Dissertation/ Project/ Non-dissertation & project) to fulfill the graduation requirements, which consist of 31 credits.

## core subjects

*Compulsory Subjects

### elective subjects

- Advanced Geographic Information Systems
- Advanced Mobile GIS and LBS
- Advanced Photogrammetry and Computer Vision
- Advanced Surveying
- Artificial Intelligence Concepts
- Economics for Financial Analysis
- Engineering Intelligent Buildings
- Internet of Things – Tools and Applications
- Remote Sensing Image Processing
- Satellite Positioning and Navigation
- Smart Infrastructure Smart Transport
- Smart Tourism: Concepts & Applications
- Smart Transport
- Sustainable Development and Environment Planning
- Spatial Data Analysis and Mining
- Spatial Data Visualization and Modeling

Subjects are subject to review and may change on a need basis.

## career prospects

Smart city is a fast-growing area around the globe. By leveraging emerging technologies such as Internet of Things, Artificial Intelligence, and Big Data analytics, our MSc programme aims to nurture a workforce with the technological know-how for smart and sustainable urban development with an interdisciplinary nature. Graduates will benefit from various employment opportunities related to smart city management in both public and private sectors, including but not limited to, telecommunication, information technology, urban planning, transportation and logistics, public health, social welfare, finance, and real estate. Graduates, who decide to further pursue research, may enroll in a Ph.D. programme in either a local or an international university.

### Professional Recognition

The Hong Kong Institute of Surveyors
The Royal Institution of Chartered Surveyors

## students' success

Our MSc students, through their project or dissertation, carry out scientific research under the supervision of our academic staff members, paving the way for their future career and further study.

Some of our students also shine in local and regional competitions, including

- Best Oral Presentation Award, Nexus Forum (2024)
- Silver Award (BIM Project – Private Development), Hong Kong Institute of Building Information Modelling (2023)
- Best Dissertation Award (Mater Category), Hong Kong Institute of Surveyors (2023, 2024)
- First Prize in Cloud Track of the Practice Competition, Huawei ICT Competition Global Final (2022)