THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

Admission to **MSc in**
Urban Informatics and Smart Cities

Department of Land Surveying and Geo-Informatics (LSGI) at the Hong Kong Polytechnic University is the leading department of geomatics in research output in the world, and the only academic department in Hong Kong that offers a range of education, training and research opportunities in the fields of surveying, geographic information science (GIS) and urban informatics.

for the Academic Year
2021-22

Programme Outline
- Duration: 1-2 years Full-time; 2.5-5 years Part-time
- Medium of instruction: English
- Students complete 7 subjects and a dissertation (or 8 subjects and a project) for graduation
- Upon attainment of required credits, student must successfully defend his/her thesis for the award of Msc in Urban Informatics and Smart Cities

Core Subjects (*compulsory)
- Smart Cities: Technologies and Solutions*
- Urban Science and Systems*
- Urban Informatics*
- Urban Big Data
- Principles of GIS
- Urban Planning and Urban Design

The subjects above are subject to review and changes from time to time.

Elective Subjects
- Artificial Intelligence Concepts
- Internet of Things – Tools and Applications
- Economics for Financial Analysis
- Engineering Intelligent Buildings
- Sustainable Development and Environment Planning
- Smart Infrastructure
- Smart Transport
- Smart Tourism: Concepts & Applications
- Spatial Data Acquisition
- Satellite Positioning and Navigation
- Remote Sensing Image Processing

Professional Recognition
Accreditation of this new programme by professional institutions is in progress.

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, the programme with an interdisciplinary nature aims to nurture a workforce with the technological know-how for smart and sustainable urban development. Graduates will benefit from various employment opportunities in both public sectors and private companies. The employment opportunities come from a broad range of areas about smart city management including but not limited to telecommunication, information technology, urban planning, transportation and logistics, public health, social welfare, finance and real estate.

Besides, graduates also have great opportunities to pursue further study for doctoral degree locally or internationally.

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 Scholarships
- Two Faculty Scholarships (Tuition fees HK$159,000 + HK$50,000 for full-time student)
- Three Department Scholarships (HK$30,000)

(More Details: https://polyuhk/xsaSV)

Application Period
- Till April 2021

Enquiry and Application
Programme leader: Dr. Yang Xu
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PolyU Online Application
https://www38.polyu.edu.hk/eAdmission/index.jsf

Department website:
https://polyu.hk/WDQGd

LSGI Wechat: PolyU-LSGI
LSGI Facebook: LSGI.PolyU

DEPARTMENT OF
LAND SURVEYING AND GEO-INFORMATICS
土地測量及地理資訊學系

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