



Admission to **Master of Science** in **Geomatics** (GIS/Surveying)

for the Academic Year
2021-22

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.

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 M.Sc. in Geomatics

Core GIS and Surveying Subjects

- Principles of GIS
- Advanced GIS
- Spatial Data Analysis and Mining
- Spatial Data Acquisition
- Spatial Data Visualization and Modeling
- Remote Sensing Image Processing
- Advanced Surveying
- Satellite Positioning and Navigation
- Advanced Photogrammetry and Computer Vision
- Urban Informatics

Professional Recognitions

The M.Sc. programme is accredited by

- The Hong Kong Institute of Surveyors (HKIS)
- The Royal Institution of Chartered Surveyors (RICS)
- The Chartered Institution of Civil Engineering Surveyors (ICES)
- The Hong Kong Institution of Engineering Surveyors (HKIES)



Elective Subjects

- Mobile GIS and Location-Based Services
- Urban Science & Systems
- Advanced Topics in Geomatics
- Building Information Modeling (BIM)
- Subjects Related to Project Management, Environmental Studies, Civil Engineering, Real Estate and Construction Technologies

Career Prospects

The application of GIS and surveying technology in Hong Kong and many other countries has increased rapidly in the last two decades. Currently, a large number of government departments in Hong Kong used GIS and surveying technology, e.g., the Lands Department, Planning Department, Highways Department, Transport Department, Fire Services Department, Civil Engineering and Development Department, etc. In the private sector, utilities such as gas and power companies have been frequent users. In recent years, telecommunications, planning, public administration, transportation, logistics, car navigation, civil engineering, archaeology and real estate companies have also adopted GIS in their operations. As such, new career opportunities arise for graduates from these postgraduate programmes. A rather high percentage of the graduates continue their academic career with a doctoral study at Hong Kong or international universities.

Entrance Requirements

- A relevant Bachelor (Hons) degree in GIS, Surveying or other related disciplines (e.g. engineering, science or technology, geography)
- 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://polyu.hk/xsaSV>)

Application Period

- Till April 2021

Enquiry and Application

Programme leader: Dr. Xintao LIU

Tel: (852) 2766 5962

Email: xintao.liu@polyu.edu.hk



PolyU Online Application

<https://www38.polyu.edu.hk/eAdmission/index.jsf>



M.Sc. (Geomatics) Programme

<https://polyu.hk/PaOmr>

