



THE HONG KONG  
POLYTECHNIC UNIVERSITY

香港理工大學

DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING  
工業及系統工程學系

# MASTER OF SCIENCE IN INDUSTRIAL LOGISTICS SYSTEMS



PROGRAMME CODE: FULL-TIME (45089-FTM) / PART-TIME (45089-PTM)

This programme is accredited by  
The Chartered Institute of Logistics and Transport (HK) and  
The Hong Kong Logistics Association



## INTRODUCTION

This postgraduate programme is suitable for people working in both manufacturing and service sectors. It is primarily concerned with planning, coordinating, and controlling of resources and information involved in the flow of goods and services from source to customers. It provides participants with the knowledge and skills appropriate for diagnosing problems and formulating strategic solutions that use information in the design, planning, and organizing of industrial logistics systems.

## PROGRAMME AIMS

- To provide students with the use of information technology and managerial approaches in improving inbound logistics, production and outbound logistics so as to create value for the customers.
- To provide an opportunity for executives who graduated from engineering and other disciplines for obtaining additional expertise involved in the production of goods and services and delighting the customers.
- To develop students' creativity and problem solving knowledge and skills appropriate for the management of information and use of knowledge in systems engineering for logistics planning and control.

## PROGRAMME STRUCTURE

- 5 compulsory subjects and
- 2 elective subjects and Dissertation  
OR  
4 elective subjects plus a field trip study (ISE550)

Each subject carries 3 credits with the exception of the dissertation (9 credits). For an award of MSc in Industrial Logistics Systems, students must accumulate a total of 30 credits.

*Remark: For the award of a Postgraduate Diploma, students have to accumulate 18 credits by taking FOUR compulsory subjects plus TWO elective subjects.*

## TUITION FEES






- Local students: HK\$9,000 per subject  
(Programme fee: HK\$90,000)
- Non-local students: HK\$12,000 per subject  
(Programme fee: HK\$120,000)


## DURATION

Study Mode	Normal Duration	Maximum Registration Period
<b>Full Time mode</b>	<b>1 year</b>	<b>4 years</b>
<b>Part-Time mode</b>	<b>2 years</b>	<b>4 years</b>

## COMPULSORY SUBJECTS

**Compulsory subjects are normally offered once a year.**

- Warehousing and Material Handling Systems (ISE512) 
- Global Operations and Logistics Management (ISE525) 
- Enterprise Resources Planning (ISE526) 
- Logistics Information Systems (ISE527) 
- Supply Chain Management Enabling Technologies (ISE544) 

 *Subjects are included in the list of reimbursable courses under the Government Continuing Education Fund (CEF).*

## ELECTIVE SUBJECTS

**Subject to the availability of resources and PolyU regulations, recommended elective subjects will be offered as many as possible in each semester.**

- Simulation of Industrial Systems (ISE507)
- Workflow Design and Management (ISE518)
- Principles of Knowledge Engineering and Management (ISE531)
- Process and Performance Management (ISE538)
- Risk and Crisis Management (ISE548)
- Contemporary Logistics Issues in China (ISE550)
- Managing Six Sigma (ISE553)
- Relationship Management and Logistics Systems (ISE556)
- Optimization Modeling and Applications (ISE5019)
- Value Chain Management in Logistics (ISE5020)
- International Logistics Systems, Operations and Management (LGT5002)
- Shipping Economics and Markets (LGT5007)
- Transport Logistics in China (LGT5013)
- Chinese Maritime and Port Law (LGT5051)

and more....

## ENTRANCE REQUIREMENTS

- A Bachelor's degree with Honours in engineering, business, management, applied mathematics or science; or a professional qualification or the equivalent. Consideration will be given to candidates with appropriate work experience.

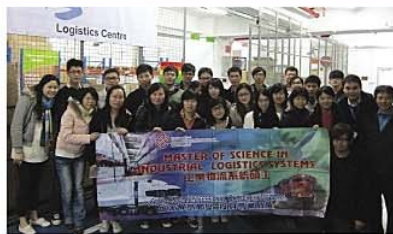
### *English Language Requirement*

If applicants are not native speakers of English, and their Bachelor's degree or equivalent qualification is awarded by institutions where the medium of instruction is not English, applicants are expected to fulfill the following minimum English language requirement for admission purpose:

- A Test of English as a Foreign Language (TOEFL) score of 80 or above for the Internet-based test; or a TOEFL score of 550 or above for the paper-based test; or a TOEFL score of 213 or above for the computer-based test;  
OR
- An overall Band Score of at least 6 in the International English Language Testing System (IELTS);  
OR
- Chinese mainland's College English Test (CET) Band 6.

Individual cases will be considered on their own merit by the department. Applicants may be required to attend interviews or tests to further demonstrate their language proficiency.

## COMPANY VISITS



GEODIS Logistics Centre (2012)



Shenzhen Hutchison Inland Containers Depots (2008)



HAECO (2005)



## FIELD TRIP STUDY



Yanshan Port, Shanghai (2006-2007)



LDX Express, Shanghai (2008)



China Railway High-Speed Train, Beijing (2009)



TPG Global Ro-Ro Terminal Co. Ltd.,  
Tianjin (2010)



Dalian Port Container Company, Dalian (2011)



Shanghai BAOSTEEL Group Corporation,  
Shanghai (2012)

## MESSAGE FROM GRADUATE



### Alan Ho (Graduated in 2011/2012)

This master course not only updates me with the modern logistics knowledge and global business trend but also broadens my visions and horizons. During the study, I also learned a lot from sharing with my teammates in various group projects. Their comprehensive network and professional advice have enhanced the prospect of my career.

## PROGRAMME LEADER



### P. Ji (Dr.)

Tel : 2766 6631

Email : p.ji@polyu.edu.hk

## ENQUIRIES

### Ms. Louise Tung

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Email : louise.tung@polyu.edu.hk

## APPLICATION AND ADMISSION

Online Application : [www.polyu.edu.hk/admission](http://www.polyu.edu.hk/admission)

Email : [asadmppg@polyu.edu.hk](mailto:asadmppg@polyu.edu.hk)

Enquiry Hotline : 2333 0600

Fax : 2334 6671

In Writing : Academic Secretariat

The Hong Kong Polytechnic University, Hung Hom, Kowloon

Website : [www.ise.polyu.edu.hk/mscils](http://www.ise.polyu.edu.hk/mscils)