Career Prospects

In the midst of increasing globalization, enterprises must efficiently manage the flow of goods, services and other resources to their customers. The rapid expansion of Hong Kong’s airport and container port, as well as the solid growth of the service industries, such as aviation and banking, have created a huge demand for logistics professionals. Recognizing this rapidly growing need, BEng IELM aims at fostering students with knowledge in the engineering, business and management contexts of logistics activities.

Career and Academic Development

Our graduates are professional engineers who take up supervisory and managerial roles in container and air cargo terminals, airlines, international express delivery enterprises, freight forwarders, shipping companies, global manufacturers, consulting firms, trading companies, wholesalers and retailers. Examples of these companies are HK Disneyland, Procter & Gamble, Hutchison Port Holdings, Hong Kong Air Cargo Terminals Limited (Hactl), Cathay Pacific Airways, DHL, FedEx Express, UPS World Wide Logistics, Schenker International Maersk Line, OOCL, Dell Computer, Hewlett Packard, Citibank, Accenture, JOS and Dairy Farm.

Putting down IELM as the first choice on my JUPAS form is a decision I will always be proud of. The course has fully equipped me with the essential elements for success in the business world. Our professors do not only have excellent reputations in the logistics industry and strong connections with professionals, but they are also my lifelong mentors giving me important advice on career and personal development. IELM gives you the best before you enter the workplace!

Carol Chan
(2005, President of Session
2003-2004 of IEESSS, HKUSTSU)
HK & Taiwan Initiative Diamond Leader, Product Supply Procter & Gamble HK Ltd.

“ The IELM department offers world-class programs for future academic and industry leaders who are enthusiastic about solving operations problems by systematic and scientific approaches. It provided me with best-in-class knowledge, and the opportunities of exchange program, global projects and industrial collaborations for the solid understanding of the best practices. The faculty members are not only famous for the breakthrough research but also committed to student development. IELM is a research and development family for our next technology management generations.”

Daniel Mo (BEng 2003; MPhil 2005; PhD 2013)
Assistant Professor
Department of Supply Chain and Information Management
Hong Kong Management College

For Further Information

To know more about the program, please contact us by phone, email or personal visit:

Department of Industrial Engineering and Logistics Management

The Hong Kong University of Science and Technology
Clear Water Bay, Kowloon
Tel: (852) 2358-7100 Email: ielm@ust.hk

Please visit our website at http://www.ielm.ust.hk for more information
Logistics and Hong Kong

Logistics is the design, planning and management of the flow of goods, services, information and other resources, from the point of origin to the point of consumption. It deals with various processes in air, sea and land transportation systems and plays an active role in the development of E-commerce.

As one of our four economic pillars, Hong Kong’s trading and logistics industry contributed 23.4% of GDP and accounted for 20.4% of the city’s total employment in 2014.

Hong Kong – the World’s Logistics Hub

In 2015 Hong Kong remained one of the world’s busiest container ports, with throughput of 20.1 million TEUs. Meanwhile, Hong Kong International Airport (HKIA) handled 4.38 million tonnes of air cargo in 2015 and has been named the busiest airport in the Far East in terms of airfreight activities. Our port and airport are currently undergoing large-scale expansion to become a gateway hub connecting Mainland China with the world.

Looking Ahead

• Airport Expansion
  In future, to maintain its position as an international aviation hub, it is projected that a three-runway system will be implemented at HKIA. By 2030, it is anticipated that cargo handling capacity will be increased to 8.9 million tonnes per year.

• Port Development
  The integration of Kwai Chung into the network of ports in Southern China as well as the expansion of midstream and river trade operations will help build Hong Kong into a sea-trade logistics hub.

• Government Support
  The Government of the Hong Kong SAR is working on a comprehensive logistics services plan for Hong Kong covering sea, air and land transportation, to ensure healthy and sustainable development of the city’s logistics industry.

HKUST: Your First Step to a Prosperous Career in Logistics

HKUST is the first university in Hong Kong to offer a bachelor’s degree program in Logistics Management (BEng IELM). Our program trains a new generation of engineers for both managerial and technical positions in the logistics industry, and the skills and expertise of our students are highly valued by logistics enterprises, large and small.

Program Overview

The curriculum of the program is tailored to meet the ever-changing needs of the industry, equipping our students with professional knowledge in:

• Operations in transportation systems
• Logistics planning
• Supply chain management
• Information systems and electronic commerce
• Operations research and management science
• Decisions analysis and data science

Options

In addition to the major, students may enhance their knowledge in some areas by choosing the following options:

• The Financial Engineering Option trains students in the application of quantitative tools and engineering methodologies to portfolio management, risk management and derivatives pricing in various financial markets.

• The Research Option provides theoretical foundation to prepare students for graduate studies.

Minors

Students can choose from over 20 minors such as Business, Information Technology, Entrepreneurship, and many more. Please visit HKUST Program Catalog at http://prog-cust.hkust.edu.hk for more information.

Professional Recognition

Our BEng IELM program is accredited by the Hong Kong Institution of Engineers (HKIE) and the Chartered Institute of Logistics and Transport in Hong Kong (CILT HK).

Local Resources, Global Exposure

• Mentorship Program
  Our mentorship program allows students to gain new insights through guidance from and interaction with senior executives and engineers in the logistics industry.

• Scholarship
  The many scholarships available at HKUST are designed to encourage and reward students with outstanding academic performance.

• Exchange Program
  Students can apply for exchange opportunities, through the university’s Student Exchange Program, at world-class tertiary institutions in Mainland China and across the globe.

• Design Thinking – Joint Course with China Academy of Art
  One-month summer course on Design Thinking offers a platform for multi-disciplinary academic exchange. Students have chance to work with designers and engineers to design and develop a real product or media feature.

• Six Sigma Green Belt Certification Program
  Our quality engineering courses have received accreditation from the Hong Kong Society for Quality (HKSQ) as a Six Sigma Green Belt Certification Program. Students who successfully complete a course on Quality Engineering and a Six Sigma related final year project will become HKSTE-certificated Six Sigma Green Belts.

"The IELM program offered valuable opportunities for me to learn outside the classroom and meet people from all around the world. The exchange experiences to both the Georgia Institute of Technology, US, and the internship program in Beijing offered many opportunities and broadened my horizons. The program also gave me a concrete foundation in many aspects of the manufacturing and logistics industries and this has definitely helped me to establish my career path as an ERP consultant.

Kitty LEUNG (2011)
Application Consultant
Pacific Business Consulting, Inc."