Career Prospects

Our IEEM graduates have built great careers in various functional divisions. They are well placed in established corporations including HSBC, IBM, Dell, MTRC, Philips, Motorola Semiconductors, Canon Engineering, Li and Fung Limited, Esquel Group and Dunwell. Examples of the roles they take up are:

- **Business Development Manager**
- **Manager for Operations and Management**
- **Service Development Executive**
- **Planning Manager**
- **Production Manager**
- **Project Engineer**
- **Engineering Administrator**
- **Quality Assurance Engineer**
- **Advanced Design Engineer**
- **Technical Services Engineer**
- **Business Support Coordinator**
- **Business Analyst**

In today’s corporate world, senior executives make business decisions based on objective justifications. Throughout the program, students were equipped with skills such as quantitative analysis and systematic thinking to analyze and quantify the business issues and to provide essential grounds for decision-making. IE Department had set a very good foundation for every student and equipped them with practical skill that they needed in their future careers.

Ken Leung (1996)
Industrial Engineering Project Manager
Hong Kong Disneyland

Achievements

HKQS Company-Based Student Project Competition – IEEM students beat teams from various other universities in a thrilling final to be awarded Championship in 2016. 1st runner-up prize in 2011, 2nd runner-up prizes in 2013 & 2015 and 3rd runner-up prize in 2014.

CILTHK Student Day – Our students have actively participated in this exciting competition and won the championship (2009 and 2010), the Merti Prize (2012) and in 2013, were 1st runners-up.

HKIE-MI Student Project Competition – IEEM students were awarded Championship of the HKIE-MI Student Project Competition for 2 consecutive years (2012-13 & 2013-14) for their outstanding logistics knowledge as well as impressing the judges with their problem solving and presentation skills.

Choosing IEEM Bachelor Degree program at HKUST is one of the best decisions I ever made in my life which shaped me to be an academic. With the world-class facilities and renowned and energetic professors, I have had the privilege to study at IE Department for 7 years. With the guidance and inspiration from the IEIM professors, particularly my research supervisor, I am gifted to have the chance of following in their steps to nurture students at my current institution. I believe IEIM Department is the right choice for you if you are interested to study in a program which offers a clear balance between engineering (Industrial and Logistics) and management disciplines.

Anthony Pang (BEng 1997; MPhil 1998; PhD 2001)
Associate Professor and Associate Head
Department of Logistics and Maritime Studies
The Hong Kong Polytechnic University

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: iemg@ust.hk

Please visit our website at:
http://www.iem.ust.hk
for more information
Industrial Engineering: Rosy Career Prospects

Technological advances in business and industry have created a pressing demand for industrial engineers, who work out the most effective ways to produce a product or provide a service. Industrial Engineering is among the highest-earning college degrees and many industrial engineers move into management positions as their work is closely related to the work of managers.

In this flat and competitive world, what can an enterprise do to strive for survival? Being lean, being well-controlled or continuously improving? You’ll find the answer with IEEM. The program will equip you with all the skills needed to transform an old industry into a modern, thriving business.

David Shek (2007, Student Ambassador of IELM 06-07)
Terminal Development Analyst
Hutchison Port Holdings

The HKUST Advantage

Recognizing the increasing demand for professional, skillful industrial engineers, we have designed our courses to provide students with both management and engineering skills, giving them a solid foundation for career advancement to executive level positions.

Throughout my UG education in Industrial Engineering, I have been keenly interested in working in the global logistics industry. The joint-ventured Global Manufacturing & Logistics project with graduates from Stanford University has equipped me with a variety of technical and communication skills, which includes (1) identifying problems related to containers transport, operating process and re-engineering simulation model, (2) reflecting on feasible ways to solve the problems; and (3) evaluating the effectiveness & efficiency of the solutions.

My 3 years at HKUST were very rewarding and I’m very proud to be a member of the IE family!

Bryant LAI (2008)
Senior Key Account Manager - Hi Tech
Kuehne & Nagel Limited

Program Overview

The IEEM major is tailored to meet the ever-changing needs of the industry, equipping our students with professional knowledge in:
- Product design and production management
- Service operations management
- Quality management
- Management of technology & innovations

Options

In addition to the major, students may enhance their knowledge in some areas by choosing the following options:
- Jointly offered with the Department of Marketing, the Product Design and Marketing Option aims to equip students with knowledge of product design and lifecycle management, product promotion, pricing strategy, and brand management.
- 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.crs.ust.hk/ugminor for more information.

Professional Recognition

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

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 honor 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 HKSQ-certificated Six Sigma Green Belts.