

IN THEIR OWN WORDS FROM THE STUDENTS



"The program that I'm now in at HKUST offers a lot of freedom and opportunities at the boundaries between disciplines. The courses offered here are of a high level, and there are many opportunities for development outside the curriculum. There are courses in Mandarin, Cantonese and many other languages. The Institute for Advanced Study frequently invites interesting speakers to give guest lectures. As a teaching assistant, I have had the opportunity to give workshops and improve my teaching skills. Lastly, the university campus is a beautiful and comfortable place to live with a lot of diversity, which I feel enriches me a lot on a personal level as well."

Koen Bastiaan VAN WALSTIJN

Graduated from Rotterdam School of Management, Erasmus University and Delft University of Technology in the Netherlands

MPhil student, Technology Leadership and Entrepreneurship program, HKUST



"I came to HKUST at first because I love the climate of Hong Kong and because the sea view of the campus is so beautiful. After studying here two years, I have totally fallen in love with HKUST. The research environment is excellent and comfortable. I am always inspired by the renowned professors or ambitious students. I have learnt a lot here."

Rui LIANG

MPhil Graduate from HKUST in Hong Kong

PhD student, Department of Civil and Environmental Engineering, HKUST



"HKUST is young, passionate and energetic, just like me. Twenty-five years is not a long time in the history of a university, but it has been long enough for HKUST to become world-class, especially in engineering. The HKUST School of Engineering provides me with a wide range of opportunities – to do research, to participate in exchange programs, and to learn about different cultures. I love it here, not only for its excellence in engineering but also for its beauty."

Haofei WANG

Graduated from Zhejiang University in China

PhD student, Department of Electronic and Computer Engineering, HKUST

IN THEIR OWN WORDS FROM THE FACULTY AND STAFF

Life in HKUST's School of Engineering sparkles with challenges, excitement and sheer fun. For all the young people who have chosen HKUST as the place to pursue their studies, we of the faculty and staff seek to be reliable mentors, supporting them in their personal and professional growth.



◀ **Solve for X** is a global initiative designed and promoted by Google to encourage game-changing "moonshots" – radical solutions for big global problems. So far, two projects from HKUST have been accepted and published.



◀ **Three Minute Thesis Competition** is a research communication competition with the aim of challenging research students to consolidate their ideas and research discoveries and then present them concisely to a non-specialist audience.



◀ Fired up with **entrepreneurial** spirit, a team of three MPhil students in the Technology Leadership and Entrepreneurship Program have created an award-winning product, Fit-Kick, for athletes to improve performance and prevent injuries. They have set up their own company and plan to engage in crowd funding for production.



◀ **SENG PhD Research Excellence Award** was established to recognize the outstanding achievements of PhD students and recent graduates.



◀ Regular activities, such as **School of Engineering Christmas Party**, are organized for students around the year. We aim to make the HKUST School of Engineering a warm community of talented and spirited people.

WANT TO KNOW MORE?

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Admission details and procedures:
<http://pg.ust.hk>

More information on our MPhil/PhD programs:
<http://www.seng.ust.hk/pg/>

HKPFS:
<http://www.ust.hk/hkpfs> or
<http://www.facebook.com/hkpfs.seng.hkust>

WHY HKUST ENGINEERING?

- **Dynamic Emerging University** recognized by professionals and employers all over the world
- **World-class Scientists** undertaking Cutting-Edge Research
- **Top Quality Well-Rounded Education**
- **Comprehensive Range of Disciplines**
- **Multi-cultural Exposure**
- **Inspirational Environment**
- **Rich Opportunities for Employment and Professional Career Development**
- **Studentships, Awards & Scholarships**



HKUST PURSUES

EXCELLENCE IN
ENGINEERING RESEARCH
AND POSTGRADUATE EDUCATION

WORLD-RENOWNED TECHNOLOGICAL UNIVERSITY – OUR MIRACLE CONTINUES



Even though young, with only 25 years of history, the Hong Kong University of Science and Technology (HKUST) is the only Hong Kong institution consistently ranked in the world's top 30 technological universities over the past ten years.

The School of Engineering is the largest of HKUST's five Schools, with over 1,000 research postgraduate students. It has a strong international reputation and ranks high among major engineering schools around the world.

#16

among the **World's Top Universities for Engineering and Technologies**

by Times Higher Education (THE) World University Rankings 2015-16

#5

among **Engineering Schools in Greater China in Academic Rankings of World Universities (ARWU)**

published by Shanghai Jiao Tong University 2015

#14

among the **World's Top 50 Universities for Engineering and Technology**

by Quacquarelli Symonds (QS) World University Rankings 2015

#14

among **Top Universities in the world**

by Global Employability University Rankings 2015

CUTTING-EDGE RESEARCH SHAPING TOMORROW'S WORLD

HKUST is one of the most research-intensive universities in Asia. Here students are nurtured, through rigorous research training, to explore, discover and create new technologies.

Over the past decades, our engineering faculty members have made significant discoveries in cutting-edge research and received major national and international honors, including the State Natural Science Award conferred by the State Council of the People's Republic of China, and the IEEE (Institute of Electrical and Electronics Engineers) Marconi Prize Paper Award, to name two. Many of the engineering faculty have received fellowships from honorary and professional societies, including the American Institute of Chemical Engineers (AIChE), the Institution of Civil Engineers (ICE), IEEE, Society for Information Display (SID), Institute of Industrial Engineers (IIE), and the American Society of Mechanical Engineers (ASME). Their achievements have greatly contributed to the social and economic development worldwide and the transition to a knowledge-based world.

JOINT COLLABORATIONS WITH LEADING WORLD INSTITUTIONS

The School has a strong network with world-class institutions both in Mainland China and overseas, creating an abundance of student exchange and research opportunities. Cooperative agreements have been established with close to 70 leading institutions in different countries around the world, such as:

NORTH AMERICA

- Massachusetts Institute of Technology (US)
- Princeton University (US)
- University of Toronto (Canada)
- University of Waterloo (Canada)

EUROPE

- CentraleSupélec (France)
- Ecole Nationale Supérieure des Mines de Saint-Etienne (France)
- Ecole Polytechnique Fédérale de Lausanne (Switzerland)
- Politecnico di Milano (Italy)
- University of Zaragoza (Spain)

ASIA & AUSTRALIA

- Bandung Institute of Technology (Indonesia)
- Indian Institute of Technology Madras (India)
- Korea Advanced Institute of Science and Technology (Korea)
- Nanyang Technological University (Singapore)
- Tokyo Institute of Technology (Japan)
- Tsinghua University (China)
- The University of Tokyo (Japan)
- The University of Melbourne (Australia)

RESEARCH POSTGRADUATE STUDIES IN ENGINEERING

HKUST's School of Engineering offers research-based programs leading to the Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) in the following disciplines and interdisciplinary areas:

BROAD RANGE OF DISCIPLINES

- Chemical and Biomolecular Engineering
- Civil Engineering
- Computer Science and Engineering
- Electronic and Computer Engineering
- Industrial Engineering and Logistics Management
- Mechanical Engineering

INTERDISCIPLINARY PROGRAMS AND HIGH IMPACT AREAS

- Bioengineering
- Environmental Engineering
- Nanotechnology
- Energy Technology
- Technology Leadership and Entrepreneurship (MPhil only)

At HKUST's School of Engineering, students entering with a bachelor's degree can complete the PhD degree without having to take a master's degree. The normative duration of a PhD program is 3 years for a student with a relevant research master's degree, or 4 years for a student with a bachelor's degree.

ENGLISH LANGUAGE ADMISSION REQUIREMENTS

Applicants whose first language is not English and whose bachelor's degree or equivalent qualification was awarded by an institution where the medium of instruction was not English are required to fulfill one of the following minimum English Language requirements:

TEST OF ENGLISH AS A FOREIGN LANGUAGE (TOEFL)

- 550 (paper-based test score); or
- 80 (internet-based test score)

INTERNATIONAL ENGLISH LANGUAGE TESTING SYSTEM (IELTS)

- 6.0 (overall score)
- 5.5 (all sub-scores)

INTERNATIONAL INTERNSHIP PROGRAM FOR VISITING STUDENTS

Postgraduate students from institutions outside Hong Kong who wish to spend two to six months at HKUST's School of Engineering to fulfill their directed research or internship assignment may apply for the International Internship Program. Each international intern is required to take a special research project course but is not enrolled in any specific program of the University. Subject to approval from supervisor and fund availability, each intern may receive a stipend to cover living costs.



SCHOLARSHIPS AND AWARDS

POSTGRADUATE STUDENTSHIP AWARDS

Successful MPhil and PhD applicants will be awarded Postgraduate Studentship Awards worth not less than HK\$188,400 (~USD24,300) per year in 2016/17. This amount is deemed more than sufficient to cover the tuition fee (currently at HK\$42,100 per year) and living expenses.

HKUST SENG PHD FELLOWSHIP AWARD

The PhD Fellowship Award was established by the HKUST School of Engineering to attract high caliber PhD candidates. Each awardee is granted a scholarship equivalent to half or full payment of his/her tuition fee for the academic year.

HONG KONG PHD FELLOWSHIP SCHEME

Exceptionally qualified PhD applicants with excellent academic records may apply for the prestigious Hong Kong PhD Fellowship awarded by the Research Grants Council of Hong Kong. For admission 2016/17, successful candidates are awarded HK\$240,000 (~USD 31,200), plus a travel allowance of HK\$10,000 (~USD1,300) per year, for three years.

HKUST has been the most successful among all tertiary institutions in Hong Kong in recruiting Hong Kong PhD Fellowship awardees. The School of Engineering has recruited the highest number of awardees within HKUST in the last seven consecutive years.

MULTI-CULTURAL EXPOSURE

DUAL-DEGREE PROGRAMS WITH RENOWNED UNIVERSITIES AROUND THE GLOBE

To expand our postgraduate students' research and learning opportunities, the School of Engineering at HKUST works in close collaboration with numerous leading institutions worldwide to offer Dual-degree MPhil/PhD Programs on a wide range of research interests. Participating institutions include the Korea Advanced Institute of Science and Technology (Korea), Graduate School at Shenzhen of Tsinghua University (China), University of Waterloo (Canada), CentraleSupélec (France) and Politecnico di Milano (Italy).

Upon successful completion of all the requirements of the Dual-degree MPhil/PhD Program, students will be awarded an MPhil/PhD degree by each institution.

INTERNATIONAL STUDENT BODY

Hong Kong is a vibrant city where people from different countries and cultures come to pursue their goals. In this context, the HKUST School of Engineering also provides a platform for those who are enthusiastic to widen their horizon and contribute to this increasingly globalized world. The School provides students an array of opportunities to learn and participate in exciting projects with like-minded classmates from Asia and other parts of the world, such as Brazil, Czech Republic, Egypt, Germany, Greece, India, Iran, Italy, Korea, Malaysia, Nigeria, Pakistan, Singapore, and Turkey.