



# READY TO ACHIEVE



## **HKUST BY THE NUMBERS**

**Despite** HKUST's short history, our reputation and outstanding alumni have left a lasting impression on many at home and afar.

No.3

YOUNG UNIVERSITY RANKINGS

Times Higher Education 2022



No.40

WORLD'S TOP UNIVERSITY

QS World University Rankings in 2023



No.30

IN GLOBAL EMPLOYABILITY

HR Consultancy Emerging and Times Higher Education 2022



No.

RESEARCH IN ASIA (Citations per Paper Score)

QS Asia University Rankings 2023

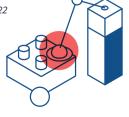


No. 1

MOST DIVERSE STUDENT BODY IN HONG KONG

(25% are non-local)

University Grants Committee 2021-22



**75**%

FACULTY FROM OUTSIDE HONG KONG

**HKUST Annual Report 2022** 



# WORLD RENOWNED REPUTATION

**QS** World University Rankings by Subject 2022



#20 CIVIL AND STRUCTURAL ENGINEERING

#24 ENGINEERING AND TECHNOLOGY

#24 BUSINESS AND MANAGEMENT STUDIES

#25 ACCOUNTING AND FINANCE

#27 ECONOMICS AND ECONOMETRICS

#28 MATERIALS SCIENCES

#28 ELECTRICAL AND ELECTRONIC ENGINEERING

#29 COMPUTER SCIENCE AND INFORMATION SYSTEMS



#30 CHEMISTRY

#33 SOCIAL SCIENCE AND MANAGEMENT

#35 ENVIRONMENTAL SCIENCES

#37 MATHEMATICS



#40 CHEMICAL ENGINEERING

#40 MECHANICAL ENGINEERING

#50 PHYSICS AND ASTRONOMY

#50 STATISTICS AND OPERATIONAL RESEARCH



## **HEAR ME OUT**



Dance Sport is my life-long passion, and I will definitely keep pursuing this after graduation! HKUST has helped me structure my future career plans and strengthened my competitiveness in different fields. I am confident that I am able to travel around the world and compete with strong dancers.

#### **NAVEEN CHAN**

BBA in Management, Minor in Psychological and Behavioral Science, Class of 2023



Meeting individuals from various backgrounds and exchanging our stories have been an incredible experience. I can't believe that I have met so many amazing people here!

#### **MASHA MARIA RODNIKOVA**

BSc in Biotechnology Class of 2024



It is about supporting everyone to be their absolute present. And HKUST does live up to my expectations!

#### **DINARA SYAHIDA**

Eng in Computer Engineering, Class of 2025



HKUST creates a multi-cultural environment for all its members to promote a holistic experience for everyone here. The rich diversity fosters personal development and a healthy society, while also strengthening communities and enriching students' educational experiences!

#### SRIVATSAV SWAMINATHAN

BEng in Aerospace Engineering, Class of 2023



The research opportunities at HKUST have provided me with disciplines and skill-sets that cannot be obtained from regular courses I was part of the 2022 HKUST International Genetically Engineered Machine (iGEM) team!

#### **IACOB KWAK**

BEng in Bioengineering, Class of 2024

The most rewarding part of my exchange journey is to step out of my comfort zone and reform myself. By making new friends, exploring new places and exchanging new ideas, I have gained a brand-new perspective and become more determined to pursue my dream!

#### **LOUIS LIANG**

BSc in Data Science and Technology & Computer Science, Class of 2023





HKUST has provided me a chance to explore all possibilities of studying different fields of my major, including an extended major in Al! Al is one of the new trends nowadays, and I am sure this extended major will give me a great advantage in my future career.

#### **NEWTON LOUEY**

BEng in Data Analytics with an
Extended Major in AI, Class of 2025



School-based application allows us to choose our major after a year of exploration. I am able to find my ultimate passion and make the best decision for my future.

#### **CHENGKUN MA**

BSc in Biochemistry and Cell Biology, Class of 2022



At HKUST, there is enough room for all students to create and participate in different societies. I am part of Be Our Guest @HKUST, which promotes cultural diversity, as well as a member of 180 Degrees Consulting, which solves problems for NGOs.

#### KIKI LIN

BBA in Global Business, Class of 2024

## **TALENTED PEOPLE**

## **PLAY HARD, STUDY HARD**

At HKUST we bring together young people of many different talents, including those with exceptional athletic abilities.

## **QUEENIE SOO**

BBA in Management and Marketing, Class of 2019 Director of Sooper Star Management Limited

#### **MINNIE SOO**

Science-A, Year 1 Bronze medal winner of the Table Tennis Women's Team Competition at the Tokyo 2020 Olympic Games



## **SISTERS IN SPORT**

Minnie SOO and her elder sister Queenie SOO are both devoted to the sport of table tennis and are examples of how HKUST recognizes athletic achievement.

Minnie brought glory to Hong Kong at the Tokyo 2020 Olympic Games by taking home a bronze medal for the Table Tennis Women's Team. The daughter of a former Hong Kong Table Tennis Team member, SOO Chun-wah, she started training at the age of five and left secondary school early to become a full-time athlete.

Minnie applied to the School of Science at HKUST and became the first student to be admitted based on her sports performance. She looks forward to taking courses in engineering and physical science while keeping a rigorous training program.



## PROFESSIONALIZING ATHLETICS

A former member of the Hong Kong China Table Tennis Junior Team and a graduate of HKUST School of Business and Management, Queenie is the Director of Sooper Star Management Limited, a local sports agency providing sponsorships and marketing opportunities for local athletes.

Queenie considers the four years at HKUST and her experiences with HKUST Sports Association, case analysis team had helped her find her career path.

In addition to having her sister as a client, Queenie works with other athletes such as WONG Wan Chun (distance running HK record holder), CHEUNG Siu Lun Shawn (Fencing Olympian), CHAN Chung Wan (Hurdles Olympian) and TAM Hoi Lam (Swimming Olympian). She coordinates event attendance and brand promotional activities for her clients.

By the end of 2021, she represented more than 20 athletes and hopes to bring in more local athletes. She wishes to bring her clients sponsorships to support their athletic career. Her ultimate goal, however, is to raise the profile of local athletes who may not be members of an Olympic team and help them realize their aspirations.

At HKUST, we support our students to achieve their potential and succeed.



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## **DIVERSE COMMUNITY**

## THE SKY'S THE LIMIT AT HKUST

HKUST prides itself on its approach to diversity, as reflected in our multicultural student body and teaching faculty. According to a report published by *Times Higher Education* in 2023, HKUST ranked the fifth most international university in the world.





## A ROLE MODEL FOR FUTURE WOMEN ENGINEERS

Prof. Rhea Patricia LIEM exemplifies HKUST's approach to diversity. Born and raised in Jakarta, Indonesia, she has studied, taught or worked in Canada, Singapore and now Hong Kong as a professor in the Department of Mechanical and Aerospace Engineering.

As a result of her international background, Prof. LIEM understands the true meaning of diversity and is well suited to teaching students from many different countries and cultures. She believes that empathy is key to building trust in her interactions with students and strives to treat them as partners — an approach unique to HKUST — in an open and dynamic learning environment.



Prof. LIEM also feels that it is important to break down barriers and to be a good role model for the younger generation, both as a teacher and a woman in engineering, in the same way that her mentors did for her. This is an integral part of the culture of acceptance and nurturing that is the main heartbeat of HKUST.

Although she has received many distinctions in her career, what is most rewarding for Prof. LIEM is building trust with and winning respect from her students, many of whom send her thank you notes after they graduate. To her, the opportunity to boost students' self-confidence and help them discover a new learning experience is "almost magical". Her dedication to inspiring students has earned her multiple awards, including the 2021 University Grants Committee Teaching Award.

# **BOUNDLESS OPPORTUNITIES**

## CONNECT WITH HKUST'S GLOBAL NETWORK

Through the various platforms available at HKUST, our students can discover their true calling and take advantage of the resources we offer towards a more fulfilling career.



## A WORLD OF CAREER OPPORTUNITIES

For Abraham LAU, the opportunity to study in the UK made him realize that he wanted a different career from the one he was originally interested in pursuing.

While still in secondary school, Abraham believed he was destined for a career in business and after graduation enrolled in our renowned School of Business and Management. Early on in his studies at HKUST, however, he discovered he was much more interested in environmental studies. Thanks to our flexible curriculum he was able to declare his major in Environmental Management and Technology, an interdisciplinary program that allows him to take courses in business, science and engineering.

Abraham then went on an overseas exchange at Exeter University in the UK and, despite misgivings about taking time off, secured a year-long internship with Airbus before returning to Hong Kong to complete his studies. 87% of HKUST students do at least one internship before graduation, with some going overseas for on-the-job training.

Abraham's practical work experience not only made him a much more attractive candidate to prospective employers after graduation. It helped him land the career of his dreams as an environmental consultant with global engineering consultancy, Arup. He has recently joined Swire Properties as Sustainable Development Officer.

Every year, around 1,000 HKUST students participate in overseas exchanges at our partner institutions around the world. In return, a roughly equal number of inbound students come to HKUST, which allows them to make extraordinary connections with different people in a spirit of cultural diversity.



## **INNOVATIVE PROGRAMS**

## **CONTRIBUTE TOWARDS A GREENER FUTURE**

HKUST is at the forefront of creating and providing programs that meet the pressing needs of society. Every year, the University launches new degree programs that address topical issues such as climate change, including the BSc in Sustainable and Green Finance (SGFN) program launched in Fall 2022.

Currently, the SGFN is the only undergraduate program in Hong Kong or Asia focused on green finance.

## **PROF. VERONIQUE J A LAFON-VINAIS**

Program Co-Director of BSc in Sustainable and Green Finance Associate Director of Undergraduate Programs (School of Business and Management)





Since working in sustainability/green finance requires cross over skills, the program is being offered by both the HKUST School of Business and Management and the Division of Environment and Sustainability. Through the program, students will gain a broadbased learning experience in the environment, science and technology, as well as a more global outlook.

If we are to tackle the challenge of climate change effectively, the need for people with the relevant knowledge skills and experience will only continue to grow. As Prof. LAFON-VINAIS notes, this is where the SGFN program can fill the gap.



## EDUCATING THE ESG PROFESSIONALS OF TOMORROW

The Co-Director of the SGFN program, Prof. Veronique LAFON-VINAIS, is a French and a seasoned financial professional.

As she points out, Asia will have to invest up to US\$5 trillion annually to meet its sustainable development goals, and this can only come from a combination of public and private investments. By enrolling in the SGFN program, students will learn how to become effective Environmental, Social and Governance (ESG) leaders in areas such as impact investing and creating sustainable/green products.



## **VIBRANT UNIVERSITY LIFE**

## **LOOKING BEYOND THE CLASSROOM**

Because taking part in campus activities is an important part of your university education, we encourage students to join one of our many student organizations at HKUST. It's a great way to pursue your interests, make friends and further your personal development.

#### **ANSON CHAN**

BSc in Global China Studies, Class of 2022

#### **RIKA ARIIZUMI**

BBA in Professional Accounting & Information Systems, Class of 2023

#### **MICHELLE NEOH**

BBA in Marketing & Management, Class of 2023

## **JACKY YANG**

BSc in Global China Studies, Class of 2024



## A GROUP FOR EVERY INTEREST

For Anson CHAN, a Global China Studies student, HKUST is a place where she can unleash her potential. A former speed skater, Anson found her passion in Dragon Boat and has been a member of the HKUST Dragon Boat Team for three consecutive years. She is also involved in other arts, cultural and innovation activities.

Another student, Rika ARIIZUMI, took the initiative of founding the BreakfUST Club, where students can network and socialize through breakfast get-togethers. She is now starting a new club, Blockchain Scholars, a research group focused on blockchain issues.



Michelle NEOH, a dedicated vegetarian and green enthusiast, became an event planner for Green Monday, a student-led project that is making vegetarian and vegan food more accessible on campus. She is currently helping HKUST caterers introduce new veggie menus and has come up with a buy-five green meals, get-one-free campaign to promote healthy plant-based eating.

There are groups in society that are under-represented, Jacky YANG was happy to be a member of the Rainbow Bird club at HKUST, which offers a wide range of opportunities beyond the formal classroom to promote mutual respect and appreciation of differences.

We are confident that students will find the right clubs and societies for themselves and create special experiences with one another.





## ENTREPRENEURIAL AND CAREER READY

ENTREPRENEURSHIP CENTER

HKUST-SINO ONE
MILLION DOLLAR
ENTREPRENEURSHIP
COMPETITION

**CAREER CENTER** 

At the HKUST Entrepreneurship Center, we organize seminars, workshops, competitions, mentorships, and accelerator funds that support you throughout your startup journey — from knowledge acquisition to commercialization. Our goal is to develop the next generation of entrepreneurs whose companies will make a difference in Hong Kong and other regions of the world.

Established in 2011, our annual entrepreneurship competition is open to everyone at HKUST, including students, alumni, and faculty members. During the competition, participants form teams would create new business ideas and have the opportunity to receive seed money for their business.

Our Career Center gives you access to a wide range of career development resources and advisory services. These include the Internship Network (iNet), where you can find local and overseas internship opportunities, and the Career Mosaic job fair, where you will have the opportunity to meet hundreds of top employers. The Center also prepares students for the job market with interview trainings and various preparation workshops.

## **LEARNING THROUGH COMPETITIONS**

**HACKUST** 

AT THE FOREFRONT OF ROBOTICS WITH HKUST

An annual hackathon is held since 2014 for students to develop prototypes, meet industry experts and pitch ideas, all within a 24 or 48-hour window. It is one of the largest student-driven hackathons in Asia.

HKUST's award-winning Robotics Team welcomes robotics enthusiasts from all schools and programs to join one of the three sub-teams at the ABU Robocon, MATE ROV underwater robot challenge, and NXP CUP Intelligent Car Racing competition. The HKUST team has represented Hong Kong in the ABU Robocon 11 times, while the ROV Sub-team has won championships ten times in a row at the IET/MATE Hong Kong Regional Underwater Robot Challenge.





## FIRST TASTE OF RESEARCH

**UNDERGRADUATE** RESEARCH **OPPORTUNITIES** PROGRAM (UROP)

INTERNATIONAL **GENETICALLY ENGINEERED MACHINES** (IGEM) COMPETITION

Students can participate in academic research during their undergraduate years. They can gain research experience under the supervision of professors and world-class researchers.

This international competition allows students to explore and develop synthetic biology solutions then share their findings at the annual iGEM jamboree. Since 2008, HKUST students have collaborated on and developed projects under the guidance of faculty instructors and advisors who have previously taken part in iGEM competitions.

## **TOGETHER WE MAKE A DIFFERENCE**

STUDENT INNOVATION FOR GLOBAL HEALTH **TECHNOLOGY (SIGHT)** 

SIGHT establishes a platform for students to create innovations in health technology for developing regions around the world. Students can participate in a training camp, course work, team projects, and overseas study trips. It also supports students working full-time on projects with local or overseas NGOs.

**HKUST CONNECT** 

Students organize initiatives that assist and empower those in need, while growing as a person. From training and volunteer work to service learning trips and leadership development programs, HKUST Connect enables students to make a meaningful impact on the community.

**HKUST SUSTAINABILITY** 

HKUST provides opportunities for the entire university community to get involved in achieving its sustainability goals, such as reducing waste and energy consumption. The Sustainable Smart Campus Leadership Program gives students the resources needed to design and organize green projects. The Green Team allows students, staff and campus residents to make the campus more sustainable through grassroot initiatives.

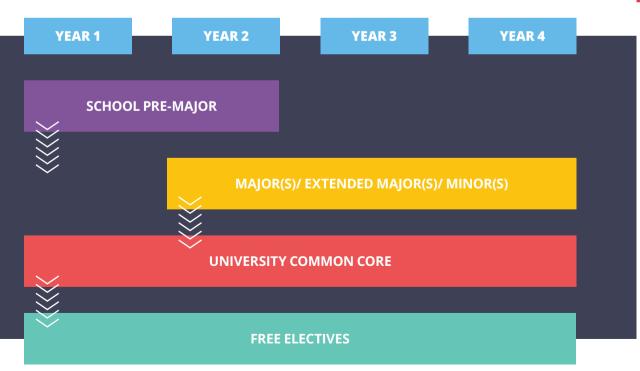




## **BROAD-BASED CURRICULUM**

We give students great flexibility to create their own path. Students can expand their intellectual horizons in a diverse set of subjects while gaining specific skills and knowledge in their chosen area of specialty.

A minimum of 120 credits are required to complete a 4-year curriculum.



## SCHOOL-BASED AND PROGRAM-BASED ADMISSIONS

Students who wish to spend more time exploring their interests may apply to the School of Science, School of Engineering, or School of Business and Management via the "School-based Admissions" route before deciding their major. Students will be admitted to the respective School and choose their major program(s) at the end of the first two or three semesters.

Students who have already had a keen interest in specific program(s) may apply and be directly admitted to the program(s) of their choice via the Program-based Admissions.





## UNIVERSITY COMMON CORE

The Common Core Program offers hundreds of courses in arts, languages, health and wellbeing, humanities, quantitative reasoning, science and technology, and social analysis. The program not only helps students to build a strong foundation for whole person development, but also providing them with ample opportunities to get hands-on experiences in the fields of their choosing.

## **FLEXIBLE COMBINATIONS**

A student can formulate a program combination that best suits his/her education and personal development need. HKUST encourages students to acquire cross-disciplinary knowledge to meet the ever-changing demand of our fastmoving world.

A student may study within one School, enroll to a joint program, or even pursue a dual / triple degree through a joint university program.

The Extended Major framework aka Major+X, gives students a chance to pursue a traditional major, while acquiring in-demand skills and knowledge in emerging fields.

## THE COMBINATION IS VIRTUALLY ENDLESS:

- IS S:
- Single Major
- Double Majors
- Major with an Extended Major
- Major(s) with Minor(s)
- Dual/Triple Degree
- \* Some dual degree programs are jointly offered by HKUST and overseas universities. Students are required to travel overseas to complete their final year(s) of study.





## **APPLY NOW**

With 48-plus majors and 23 minors covering science, engineering, business and management, the humanities and social science, and interdisciplinary areas, HKUST provides a world-class selection of undergraduate programs. Scan the QR Code to apply.



## **SCHOLARSHIPS**

HKUST welcomes high calibre students from diverse cultural and academic backgrounds. Admissions scholarships are awarded to outstanding students on competitive merit basis.

HKUST also recognizes non-academic achievements, offering a host of non-academic scholarships. There are a wide range of scholarships for current students too.







UNDERGRADUATE RECRUITMENT AND ADMISSIONS OFFICE

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