香港科技大學
THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

ACADEMY OF 跨學科學院
INTERDISCIPLINARY STUDIES

LEARNING WITHOUT BOUNDARIES



CONTENT

The AIS Difference	P.2-3
Activate Your Potential	P.4-5
Dual Degree Program in Technology & Management	P.6-7
BSc in Environmental Management and Technology	P.8-9
BSc in Individualized Interdisciplinary Major	P.10-11
BSc in Innovation, Design and Technology	P.12-13
BSc in Sustainable and Green Finance	P.14-15
Extended Majors (Major + X)	P.16
Students' Voice	P.17-19
Admission Information	P.20-21



THE AIS DIFFERENCE

HKUST's pioneering Academy of Interdisciplinary Studies (AIS) plays an integral part of the University's well-established tradition for innovative teaching, learning and research. AIS brings together two or more different academic disciplines and offers a brand-new type of educational experience, characterized by select multicultural cohorts, high-powered curricula across different schools, and wide-ranging personal and professional enrichment activities. **Why not find out the AIS difference for yourself?**



ACADEMY OF 跨學科學院
INTERDISCIPLINARY
STUDIES

UNDERGRADUATE PROGRAMS

- **T&M-DDP** — Dual Degree Program in Technology & Management
- **EVMT** — BSc in Environmental Management and Technology
- **IIM** — BSc in Individualized Interdisciplinary Major
- **IDT** — BSc in Innovation, Design and Technology
- **SGFN** — BSc in Sustainable and Green Finance*
- **Major + X** — Extended Majors

*Jointly offered by the School of Business and Management and the Division of Environment and Sustainability

1850+
undergraduates
40+ nationalities

1200+
postgraduates
30+ nationalities

42%
regular faculty with interdisciplinary joint appointments

BEST
Faculty-Student Relationship

STRONG
Partnership with Industry

TRUE
Interdisciplinary Education and Research

AIS has led the way in many ways in Hong Kong and the region:

1st IN HONG KONG

- to establish an interdisciplinary academic unit among universities in Hong Kong
- to create an undergraduate dual degree program integrating technology and business knowledge
  – **Dual Degree Program in Technology & Management**
- to pioneer Hong Kong's first HKIQEP-accredited undergraduate program, nurturing ecologically and economically conscious future leaders to embed and advance sustainability
  – **Environmental Management and Technology**
- to create an experiential degree learning educating technologists and innovators
  – **Innovation, Design and Technology**
- to start an undergraduate program filling the global talent group for top level green and sustainable finance experts
  – **Sustainable and Green Finance**
- to introduce a novel academic framework **"Major + X"** as a new degree option for undergraduates to excel in an extended major of an emerging hot topic such as Artificial Intelligence, Creative Arts and Digital Humanities, and Sustainability, in addition to a traditional major program.

1st IN GREATER CHINA

- to offer an undergraduate program that allows students to create their own majors and curricula
  – **Individualized Interdisciplinary Major**

ACTIVATE YOUR POTENTIAL

Undergraduate education at AIS references key trends and global developments through far-sighted combinations of fields that are driving our rapidly evolving world. Close links with business and industry along with a special emphasis on character-building and identification of individual interests add to our empowering student experience.

We understand that an all-round development is more than academic knowledge, personal understanding of motivations and goals, professional know-how and business experience all help students plan for their future and adapt well to the working environment.



Career Advising and Personal Counseling

AIS offers wide-ranging personal and professional enrichment activities and an exclusive team of professional advisors who provide counseling and career advice to our students throughout their studies. Professional assessment tools may include the Lumina Spark, which provides a unique portrait of who they are, increase self-awareness, reveal hidden potential and cope better under pressure. Career advisors also run individual advising sessions, mock interviews, and CV clinics.



AIS Industrial Fellows

This innovative initiative links AIS students with seasoned executives and entrepreneurs to bridge the transition from graduate to professional and build career and intergenerational insights. AIS Industrial Fellows come from diverse backgrounds, including finance, IT, environmental services, regulatory and legal services and the non-profit sector. They meet with students and share career advice, pathways to success in a particular field, professional knowledge, goals, hopes and dreams.

At AIS, We Care About Your Future

Significant career guidance and personal insight opportunities are available to foster students' capabilities to map out their own career path.



Symposiums, Forums and Seminars

Gatherings of different scales are regularly organized for students to learn from successful executives and obtain first-hand accounts of the latest trends and issues from academic and industry leaders.

A Day of AIS Students















T&M-DDP



The Dual Degree Program in Technology & Management, the first of its kind in Hong Kong, offers high-flying students an inspiring opportunity to gain two internationally-recognized degrees in five years: Bachelor of Engineering (BEng) or Bachelor of Science (BSc), and Bachelor of Business Administration (BBA).

Dual Degree students learn how to analyze issues from technological and business viewpoints and solve both quantitative and qualitative problems. Students also develop awareness of different cultures and global perspectives and foster a willingness to serve, gaining much more than two degrees. With double degrees in technology and management, our graduates have a wide variety of career advancement opportunities.

> "The Dual Degree Program has equipped me with both essential technical expertise and business skills for our technology-centered world. This joint approach not only offers a competitive advantage, but also gives me an edge in innovation"

BEng Options

1. BEng in Aerospace Engineering
2. BEng in Artificial Intelligence
3. BEng in Bioengineering
4. BEng in Chemical Engineering
5. BEng in Civil and Environmental Engineering
6. BEng in Civil Engineering
7. BEng in Computer Engineering
8. BEng in Computer Science
9. BEng in Decision Analytics
10. BEng in Electronic Engineering
11. BEng in Industrial Engineering & Engineering Management
12. BEng in Mechanical Engineering

OR

BSc Options

13. BSc in Biotechnology
14. BSc in Innovation, Design and Technology

AND

BBA Options

1. BBA in Economics
2. BBA in Finance
3. BBA in General Business Management
4. BBA in Global Business
5. BBA in Management
6. BBA in Marketing

ENRICHMENT HIGHLIGHTS

1. International Business Plan Competition

A popular international event, co-organized with University of Bayreuth (Germany), King Abdullah University of Science and Technology (Saudi Arabia), National University of Singapore and other universities. Participants work in multinational teams to develop creative applications and viable business plans for an emerging technology.



RECENT CONTESTS

2025-26	• "The Future of Mobility and Logistics" – Saudi Arabia • "Smart Robotics & AI Innovation" – Guangzhou
2024-25	• "Innovation in Transportation" – Texas • "AIoT and AI Edge Computing" – Taiwan
2023-24	• "The Future of Mobility and Logistics" – Singapore • "Tech Startup for Greater Bay Area" – Guangzhou
2022-23	• "AI for Business" – Hamburg
2020-21	• "EdTech for COVID-19" – Hong Kong (Mixed-mode)

2. Corporate Projects

Students solve real-world challenges faced by our corporate sponsors that require the use of advanced technologies and business strategies in the format of consulting, desktop research, or solution prototyping. Past corporate sponsors include Arup, Bayer Japan, Google, J.P. Morgan, HARMAN, P&G, UBS, IBM, and PCCW-HKT, among many others.





Banking and Finance
Engineering
Further Studies
Consultancy
Business Management
Information Technology
Startups

EVMT



> EVMT offers numerous openings and the freedom to explore and develop your interests and abilities. This dynamic program connects people committed to improving the environment and enables them to create their own pathways to achieve this

Sustainability is of paramount importance for the well-being of current and future generations. It is a global challenge that requires the attention and action of every organization. The **BSc in Environmental Management and Technology** program is at the forefront of tackling the pressing global concerns related to environmental and sustainability issues. This program is the first undergraduate program accredited by the Hong Kong Institute of Qualified Environmental Professionals (HKIQEP), offering motivated students a unique opportunity to become environmental and sustainability professionals equipped with cross-disciplinary knowledge to develop and implement ecologically and economically sound solutions. Graduates of the program are prepared to take on the role of sustainability managers and environmental professionals in corporations both in Hong Kong and around the globe.

ENRICHMENT HIGHLIGHTS

1. Capstone Projects

Final-year students work in teams with a corporate partner on a current environmental issue, under the supervision of an experienced manager and engage in environmental decision-making. Corporate partners include AECOM, Alcarbo Technologies Ltd, Arup, Audacy Ventures Ltd, AXA Climate, Civic Exchange, CLP, Gammon Construction Limited, Geely Automobile Holding Ltd, Great Eagle Holdings Ltd, HSBC, HSH, Karrie International Holdings Ltd, Link REIT, Peak Re, Scout Association of Hong Kong, Swire Properties Ltd, The Green Earth, The Hong Kong and China Gas Company Limited, and Veolia, Hong Kong.

2. Visits and Field Trips

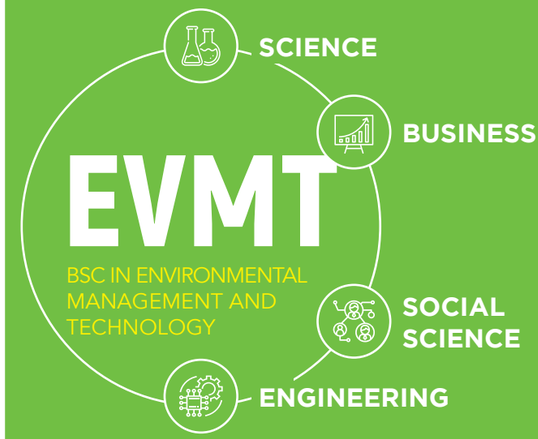
A great chance to go on-site in Hong Kong, Mainland China and overseas to see environmental developments up close and learn first-hand from the people involved.







- Food waste recycling system, Hong Kong
- Sustainable Heritage, Turkey
- Bio resources, Malaysia
- Waste management, Germany, Taipei and Tokyo
- Sustainable city, Seoul and Singapore
- Air pollution, Beijing
- Natural resources and conservation, Jeju
- Clean and renewable energy, Tangshan and Chengde
- Ecological Civilization, Anji and Hangzhou



EVMT COURSES

- Energy Sources and Usage
- Environmental Economics
- Environmental GIS
- Environmental Law
- Environmental Technology for Impact Assessment
- ESG Management and Reporting
- Green Business Strategy
- LCA for Sustainable Development



IIM



> The IIM program is a challenging but unique opportunity to study what you are truly interested in and passionate about as, unlike any other major, you have the flexibility to design your own studies

The Individualized Interdisciplinary Major, the first program of its kind in Greater China, offers a non-traditional, cross-School academic pathway for exceptional students with the vision, talents and character to initiate an interdisciplinary major tailor-made to their intellectual interests. Joining this exciting degree program enables those selected to subsequently pursue a novel interdisciplinary research field or a career in an area of emerging significance.



Common Core and fundamental courses	**36-37** credits
Major courses planned by student	At least **48** credits
Elective courses planned by student	At least **18** credits
Interdisciplinary Capstone Project	**6** credits



APPROVED IIM PROGRAM EXAMPLES

- Anthropomorphism in Interactive Systems
- Art Heritage Digitalization and Curation
- Behavioral Consumer Science
- Bioenergy Management
- Bionics
- Brain Computer Interface
- Built Environment Design
- Computational Cognitive Science
- Computational Earth Systems
- Computational Linguistics
- Environmental Geoscience
- Human-Computer Interaction
- Design and Management
- Medical Engineering
- Technological Development Ecosystem
- Technology-Driven Economics & Policy



IDT

The **BSc in Innovation, Design and Technology**, the first experiential learning degree program in Hong Kong, is a new paradigm for educating technologists and innovators. A more holistic systems perspective is necessary to truly innovate and tackle the problems of an ever-changing world. IDT uses integrative systems ranging from robotics, smart cities to biomedical systems to advance learning and knowledge through active teaching and transdisciplinary research. Embedding design and system thinking into the curriculum, combined with an emerging pedagogy of project-based active learning, will develop students' technical competency, design thinking, understanding of complex and multi-disciplinary systems, and entrepreneurial spirit.

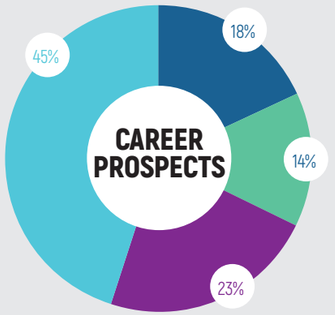
CURRICULUM HIGHLIGHTS

Year 1

- Fundamental Design Courses: Sketching, Digital Design and Rapid Prototyping, Creative Strategies, Strategic Innovations, etc.

Year 2-4

- Team-Based Year-Long Projects
- Advanced Courses: Systems Thinking, Design Thinking, Interaction Design, Graphic Communication, Product Development, Product Management, etc.
- Elective Courses related to different Integrative Systems Technical Streams e.g. Computer Engineering, Mechanical Engineering and Electronic & Computer Engineering



Graduate Studies
Engineer / Programmer / Product Manager
Management Trainee / Consultant / Analyst
Designer / Start-up / Others

ENRICHMENT HIGHLIGHTS

1. Chinachem – IDT Talk Series



The Chinachem – IDT Talk Series 2023 invited expertise and professionals in industries, who have been dedicated to contribute, embrace and promote sustainability, ranging from daily operations, green construction to carbon neutral Hong Kong, to educate and open up a new dimension for IDT students when developing new ideas. The series aims to bring in contemporary concepts with concrete examples in the real world, broadening student's horizons by introducing new facets of knowledge that brings impact to the society or even the world.

2. Team-Based Year-Long Projects

Starting from Year 2, large-scale theme-based year-long projects enable IDT students to practice context-based problem solving while developing individual technical competencies. Industry partners, field experts and potential users participate as co-designers enabling students to experience and practice solving real-world challenges.



Demonstrating a track record of students' innovation and problem-solving capabilities, four projects have excelled at the ASMPT Technology Awards, winning Gold in 2023, 2025, and 2026, alongside a Bronze Award in 2024.





SGFN

The **BSc in Sustainable and Green Finance** program is at the forefront of undergraduate education in Hong Kong to equip students with interdisciplinary knowledge and skills in both Business & Finance and Environment & Sustainability areas. The program is jointly offered by the School of Business and Management and the Division of Environment and Sustainability, designed for students who would like to pursue a career in the sustainable and green finance industry.



Investing in sustainability has been a global megatrend in recent years driven by the collective effort among governments and businesses around the world to address climate risks. It creates tremendous opportunities in carbon pricing and trading market, sustainability-linked debt market, green financial product development, sustainable supply chain financing, environment, social, and governance (ESG) management and strategy development and so on.

SGFN program nurtures students to be effective leaders in the sustainable and green finance industry. The curriculum overlays business and finance topics with sustainability significance, which covers the latest sustainable and green finance development at national and global levels to provide students with a global perspective in the field with local relevance. Featured courses include:

Business and Finance

- Derivative Securities
- Fixed Income Securities
- ESG Investing
- Green Finance Case Analyses
- Sustainable Supply Chain Management

Environment and Sustainability

- Sustainability Fundamentals
- Circular Economy and Life Cycle Assessment
- Green Business Strategy
- Environmental Sustainability Risks and Challenges
- Governing Green Finance: National and International, Perspective and Approaches

ENRICHMENT HIGHLIGHTS





1. Speaker Series

Professional from the field are invited to provide ideas of the sustainable and green finance industry to students and share their insights and experience.

2. Networking with Industry

Company visits and industry events are provided for students to have an early connection to the industry and network with industry professionals.





CAREER PROSPECTS

As the raise of awareness in sustainability is driven by policies of jurisdictions and commitment of companies and organizations, sustainable and green finance professionals are highly desirable globally. SGFN graduates will be able to develop careers in different sectors, including investment/retail banking, asset management, corporate finance, risk management, ESG consulting, capable in conducting sustainable investment analyses, ESG analyses, sustainability consulting, sustainable finance product development and so on.

MAJOR+X



HKUST is the first in Hong Kong to introduce a novel academic framework “Major+X” as a new degree option for undergraduates to excel in an **Extended Major** of an emerging hot topic such as Artificial Intelligence in addition to a traditional major program. Blending traditional programs with the emerging hot topics, this new degree structure not only offers students with greater flexibility, but also allows timely curriculum adjustment and better integration between existing and new knowledge to meet with the emerging need of the society.

The world is changing fast; technology is evolving faster than ever and shaping the rules and future of our society. Companies and individuals that do not keep up with some of the major tech trends run the risk of being left behind. On top of highly specialized experts, the society needs talents with multidimensional visions and knowledge, who can apply innovative technological skills to solve real-world problems.

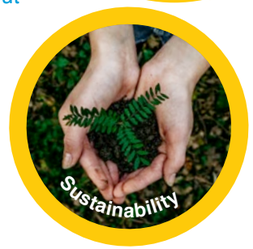
To promptly answer the need for this special breed of graduates in an effective way, we enrich existing Majors with extended study in “X”, which is innovative in emerging area of significance recognized for the current need, and could be essential for the future scientific, engineering, business and social breakthrough.



The Extended Major framework (Major+X) offers an organic study pattern for students from different disciplines to learn solid knowledge from their own Majors PLUS innovative application of “X” in their Major areas. Students need not take a full degree of “X” to learn about emerging technologies.

Currently, we offer three Extended Majors: **Artificial Intelligence**, **Creative Arts and Digital Humanities**, and **Sustainability**.





STUDENTS’ VOICE



CECILIA LAM | **Class of 2024, T&M-DDP**

“For me, the most valuable aspect of T&M-DDP is the supportive and tight-knit community. Our faculty members care deeply about students’ wellbeing and development. Over the years, they have encouraged me to step out of my comfort zone, explore my creativity and discover my true passion. Corporate-sponsored projects and international exposure opportunities, which are exclusive to T&M-DDP students, have also **helped me build strong networks** globally in various industries and develop skills for effective cross-cultural collaboration. Finally, I am surrounded by bright and hardworking peers in the community. Many of them have become my lifelong friends, inspiring me to work harder and improve every day.”

AKSHAY PRAKASH | **Class of 2018, T&M-DDP**

“The Dual Degree Program at HKUST breaks the traditional barrier students faced in choosing between a STEM major and a business major, by offering a unique program that prepares specialists who are also capable to manage. T&M-DDP prepared me for my role at Goldman Sachs, which requires a balance between technology and finance and **gave me advantage over peers** who only had one specialisation. I became the project leader by learning to manage financial projections and product simultaneously through T&M-DDP’s corporate project competitions. As more and more multinational corporations look for cost efficiency opportunities, being a multitasker ensures your indispensability in the workforce.”





ENID LAM | **Class of 2026, EVMT**

“EVMT is inherently interdisciplinary, we don’t need to limit ourselves to one single frame. The diversity of EVMT courses, from economics and finance to hands-on lab work, **has sharpened both our business mindset and scientific knowledge**, making it easier to apply our skills across different fields in the future. EVMT isn’t just about studying climate change or the environment in the abstract; it’s about bringing those vital concepts into the business world. With what we learn in EVMT, we empower businesses to drive sustainable practices and create real, lasting environmental impact, and in doing so, help save the planet.

INIKA KANDWAL | Class of 2023, EVMT



"I remember being very intrigued to see an Environmental program with an interdisciplinary structure when I was applying globally for my undergraduate degree, which led me to choose HKUST and EVMT. After 4 years - with opportunities to work on my own sustainability-centred UROP project, working with SSC, an exchange semester at the University of Toronto, and engaging in some very thoughtful hands-on courses - I feel extremely satisfied with EVMT and AIS. My most memorable experience will always come down to having 9 am breakfasts with my friends from EVMT before our class where we'd discuss courses and beyond. EVMT's interdisciplinary nature gave me a lens to understand myself and the world around me, **which has not only prepared me for my future career but also given me a mindset for life**."



IRENE CHEUNG | Class of 2024, IIM (Human-Computer Interaction)

"As university students, we all have thought about "I want to change the world", and the IIM program is the best opportunity for trying to achieve that. My tailor-made IIM program is Human-Computer Interaction. I want to design software to help people improve their lives, especially underprivileged and disadvantaged groups. The amount of trust, support and freedom provided by IIM on academic choices and exchange opportunities are incredible and **professors are extremely helpful** with generous feedback and mentoring. Since joining IIM, I have definitely improved greatly not just academically but also personally."

CONNIE CHOW | Class of 2023, IIM (Built Environment Design)



"My self-designed major Built Environment Design allows me to focus on the particular goal I want to achieve – enhancing sustainability with greater efficiency. My IIM major includes courses on urban planning, environmental science, system design and engineering, **a combination you can't find anywhere else**, yet essential for my goal. I have been receiving great support from AIS that allows me to absorb knowledge and gain experience in different disciplines via various channels."



NATHAN PAN | Class of 2026, SGFN

"Integrating the concept of sustainability into traditional finance, SGFN is the first bachelor's degree program of its kind in Hong Kong. It is my great honor to be part of the first cohort of SGFN students. I chose this program because I am passionate about sustainability and I believe it would be a fantastic idea if I could impact society and our planet through the business world. The program offers a myriad of activities, including company visits and sustainable finance industry events. These industry exposures help better equip myself to **become a professional sustainable finance expert** in the foreseeable future."



EUNIS YEUNG | Class of 2026, SGFN

"Following the increased demand for ESG talents across all industries, being the first cohort of SGFN gave me a head start and equipped me with the necessary skills and knowledge to pursue my career in this field. With only 30 intakes per year, our small cohort size enables us to maintain a close bond with our peers and professors. Furthermore, the various speaker series, company visits and professional workshops unique to our program provided me with **valuable experience beyond the classroom**. These opportunities allowed me to gain first hand and practical insights into the industry, which is essential in a field that is continuously evolving."

STUDENTS' VOICE

JIMMY WU | Class of 2024, IDT

"Have you ever dreamed of being an inventor and turning your wildest ideas into reality? If yes, IDT is your perfect program. IDT has opened up a world of endless possibilities for me and empowered me to explore my own path and dive deep into the subjects that truly ignite my passion. I've been given the tools, knowledge, and support to bring my inventions to life. The classroom has become our personal lab, where we can tinker, experiment, and turn our ideas into reality. Studying IDT is **a journey of self-discovery where imagination knows no limits**, and every day is an opportunity to create something extraordinary."





JASMINE LI | Class of 2023, IDT

"I always believe the ability to create is the most powerful ability one can possess. In IDT, I am grateful to be given the freedom to branch out in various disciplines and try everything, which prepares us to **become a well-rounded innovator** who can apply the knowledge to solve real-life problems. IDT encourages me to imagine, dream big and attempt without boundaries, as there is no such thing as failure when you are getting your hands dirty and bringing your imaginations to life."

ADMISSION INFORMATION

Admissions

AIS offers both School-based and Program-based Admissions. We do this to provide flexibility and to cater for two different types of applicants: those who are clear about their academic and career interests and keen to opt for Program-based Admission; and those who would like more time to explore their interests after admission and prefer to choose School-based Admission.

Program-based Admission

Prospective students apply for the AIS program they wish to join. Upon successful admission, they enroll in the interdisciplinary program from their first year of study.

Local mainstream secondary school students should apply via the Joint University Programmes Admissions System (JUPAS). Local students with non-HKDSE qualifications and non-local students should apply via Direct Entry Admission. Please go to join.hkust.edu.hk for information about application procedures, admission requirements, and important dates.

Application via Program-based Admission		Year 1	Year 2	Year 3	Year 4	Year 5
Students should apply to one of the following Programs : • Dual Degree Program in Technology & Management (T&M-DDP) • Environmental Management and Technology Program (EVMT) • Individualized Interdisciplinary Major Program (IIM) • Innovation, Design and Technology Program (IDT)	**Successful Admission**	Dual Degree Program in Technology & Management (T&M-DDP)				
		Environmental Management and Technology Program (EVMT)				
		Individualized Interdisciplinary Major Program (IIM)				
		Innovation, Design and Technology Program (IDT)				

Remark: For the admission to the BSc in Sustainable and Green Finance, please refer to sgfn.hkust.edu.hk/admissions.

School-based Admission

Applicants select the School (Science, Engineering, Business and Management, or Humanities and Social Science) they wish to join at HKUST at the admission stage. Visit join.hkust.edu.hk for application details.

Application via School-based Admission		Year 1	Year 2	Year 3	Year 4	Year 5
Students should apply to one of the following Schools : • School of Science • School of Engineering • School of Business and Management • School of Humanities and Social Science	**Successful Admission**	First year study in one of the Schools Application to enroll in AIS majors	Dual Degree Program in Technology & Management (T&M-DDP)			
			Environmental Management and Technology Program (EVMT)			
			Individualized Interdisciplinary Major Program (IIM)			
			Innnovation, Design and Technology Program (IDT)			



Upon successful admission and the completion of the first year of study at their chosen School, students join the Major Selection Exercise to declare a major within her/his School or an AIS interdisciplinary major. For details of the Major Selection Exercise, please visit https://ais.hkust.edu.hk/programs/undergraduate/admission/school-based-admission

CONTACT INFORMATION

Academy of Interdisciplinary Studies
T : (852) 3469 2482
E : joinais@ust.hk
W : ais.hkust.edu.hk

Dual Degree Program in Technology & Management
T : (852) 2358 8989
E : techmgmt@ust.hk
W : techmgmt.hkust.edu.hk

Environmental Management and Technology Program
T : (852) 2358 8363
E : joinevmt@ust.hk
W : envr.ust.hk/evmt

Individualized Interdisciplinary Major Program
T : (852) 3469 2071
E : iim@ust.hk
W : emia.hkust.edu.hk/about-iim

Innovation, Design and Technology Program
T : (852) 3469 2723
E : isd@ust.hk
W : isd.hkust.edu.hk

Sustainable and Green Finance Program
T : (852) 2358 8223
E : sgfn@ust.hk
W : sgfn.hkust.edu.hk

Extended Majors
T : (852) 3469 2071
E : emia@ust.hk
W : emia.hkust.edu.hk/extended-majors

facebook.com/hkust.ais
hkust.ais
linkedin.com/school/hkust-ais
hkust_ais
hkust_ais

Published by the Academy of Interdisciplinary Studies © 2026
The information in this brochure is accurate as of Oct 2026 and is subject to change