



香港教育大學

The Education University
of Hong Kong



人工智能與教育科技榮譽理學士及資訊及 通訊科技及小學科學教育榮譽學士

Bachelor of Science (Honours) in Artificial Intelligence and Educational Technology and
Bachelor of Education (Honours) (Information and Communication Technology and Primary
Science)



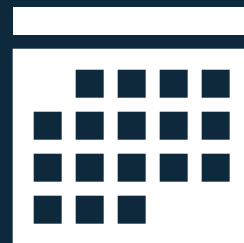
Department of
**Mathematics and
Information Technology**



Bachelor of Science (Honours) in Artificial Intelligence and Educational Technology and Bachelor of Education (Honours) (Information and Communication Technology and Primary Science)



JUPAS code:
JS8008



Duration of Study:
5 years



Funding Category:
UGC-funded



Intake in 2025/26:
13 students

A decorative graphic on the left side of the slide. It features a large cyan hexagon with the number '1' inside. Surrounding this central hexagon are several smaller hexagons in various shades of blue and cyan. Some of these smaller hexagons contain white icons: a lightbulb, a thumbs-up, a smartphone, a magnifying glass, a gear, and a speech bubble. There is also a small network diagram icon with a central node and five connecting lines.

1

Programme Aims and Structure

#ICTeacher #PrimaryScience #Computing #Pedagogy

#STEAMEducation #Artificial Intelligence

#EducationTechnology

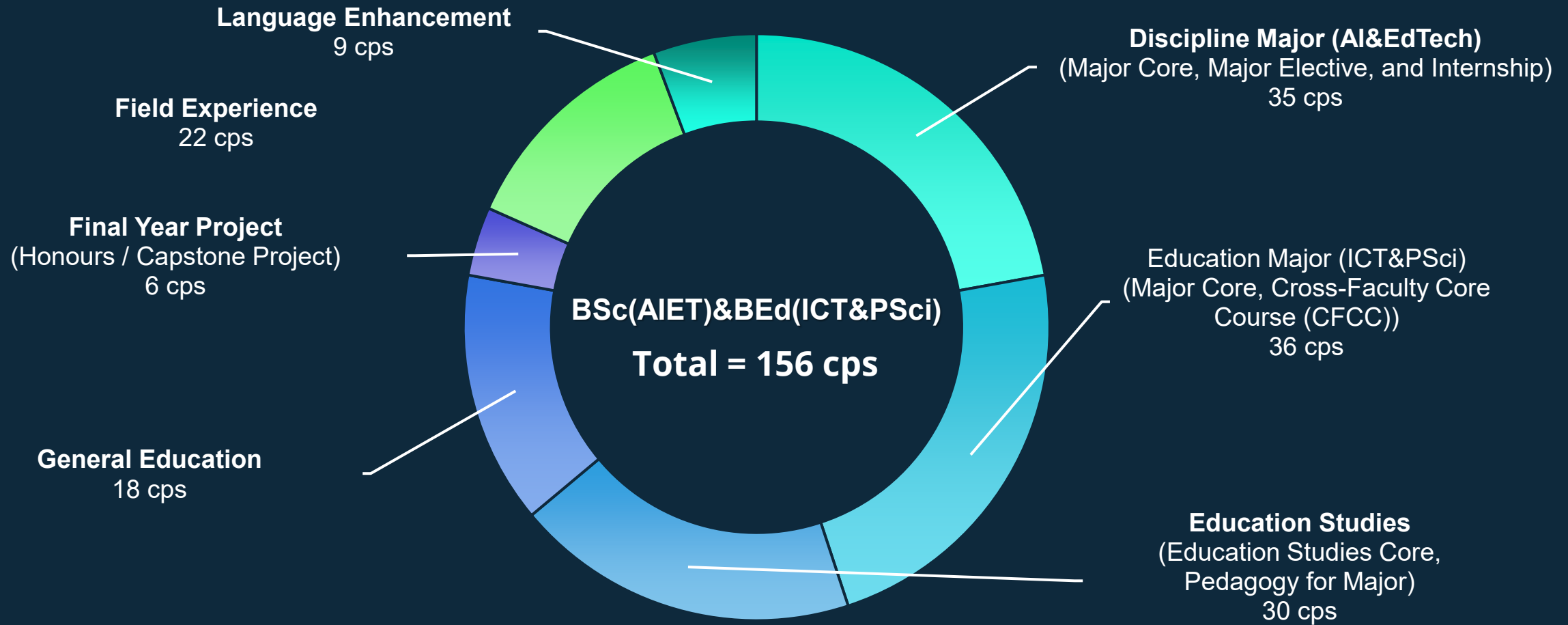
Programme Aims

The programme aims to:

- ◇ Foster a comprehensive understanding of ICT education, Primary Science education, AI and EdTech concepts and methodologies, enabling students to address the diverse abilities and backgrounds of students in ICT and Primary Science educational environments;
- ◇ Nurture pedagogical skills and professional knowledge by integrating theoretical insights with practical applications from ICT education, Primary Science education, AI and EdTech;
- ◇ Develop generic skills, such as problem-solving, critical thinking, and creativity, not only in teaching and learning but also in continuous professional development;
- ◇ Encourage critical and innovative analysis of local, national, regional, and global social issues relating to the use of ICT education, Primary Science education, AI and EdTech in educational settings; and
- ◇ Demonstrate a commitment to teaching with a professional ethical stance and embrace a global, multicultural perspective in educational practices.



Programme Structure





Major courses - Discipline Major (AI&EdTech)

Major Core

- Introduction to Educational Technology
- Introduction to Programming and Problem Solving
- Fundamentals of Neural Networks
- Introduction to Natural Language Processing
- Data Structures and Algorithms for Data Mining
- Artificial Intelligence and Machine Learning in Education
- Applied Robotics with Applications to Special Education
- Python Programming Lab
- Cyber Security and the Application in Education

Major Elective

(Choose 2 from the following 5 courses)

- Computer Organization and Operating Systems
- Computer-Aided 3D Design and Printing Technologies
- Mobile Applications Design and Development
- Deep Learning for Computer Vision and Education
- Technologies in STEAM and AI Education

#Coding #AI #EdTech #Pedagogy #STEAM Education





Major courses - Education Major (ICT&PSci)

- Information Technology supported learning environment
- Database Management Systems
- Foundations of Information and Communication Technologies
- Internetworking
- Designing STEAM Activities with Integrated Sciences and Technology
- Foundation Science: Introduction to Chemistry
- Foundation Science: Life & Living
- Foundation Science: Matter, Energy & Change
- Foundation Science: The Earth & Beyond
- Science, Technology, Engineering & Society
- Teaching & Learning of Primary Science

#Coding #AI #EdTech #Pedagogy #STEAM Education



A decorative graphic on the left side of the slide consists of a cluster of hexagons in various shades of blue and cyan. Some hexagons contain white icons: a lightbulb, a thumbs-up, a smartphone, a magnifying glass, and a gear. A network of dots and lines is also visible. A large cyan hexagon in the center of this cluster contains the white number '2'.

2

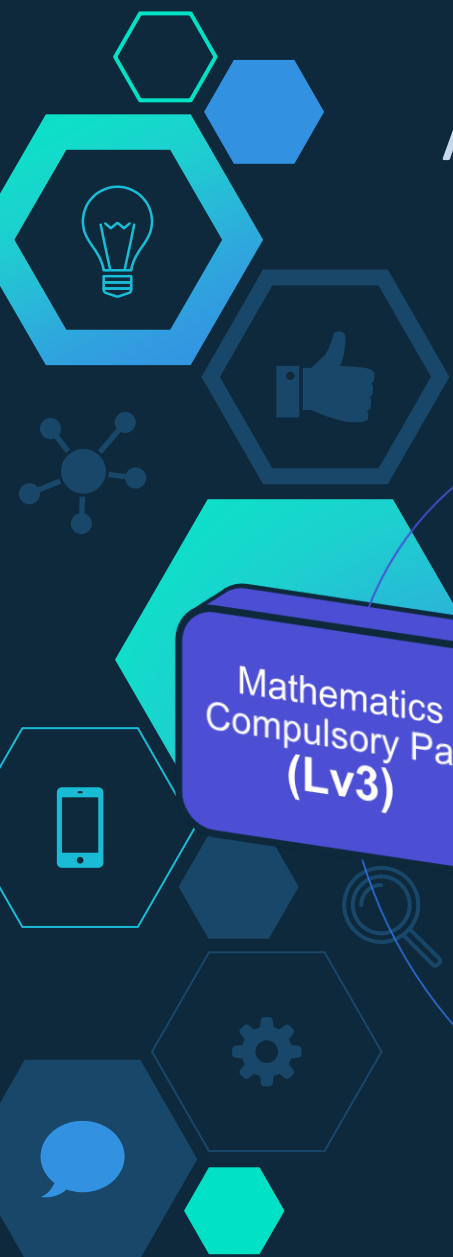
Admission Requirements

#JUPAS

#AcademicResult

#InterviewPerformance

Admission requirements (JUPAS)



Chinese
Language (Lv3)

Mathematics
Compulsory Part
(Lv3)

English
Language (Lv3)

Citizenship and
Social
Development
("Attained"
level)



**One elective
subject:**

ICT or
Biology or
Chemistry or
Physics or
(Lv3)



**Any one
elective
subject
(Lv2)**

Past Offer Statistics - AIET

Offer Statistics (as at the Announcement of the Main Round Offer Results)

Year	Band A	Band B	Band C	Band D	Band E	Total
2024	17	5	0	0	0	22
2023	18	3	0	0	0	21
2022	20	0	0	0	0	20

<https://www.jupas.edu.hk/en/programme/eduhk/JS8714/>

Application no.

1724

1957

881

Past Offer Statistics - ICT

Offer Statistics (as at the Announcement of the Main Round Offer Results)

Year	Band A	Band B	Band C	Band D	Band E	Total
2023	7	1	0	0	0	8
2022	12	0	1	0	0	13
2021	13	0	0	0	0	13

Application no.

1138

1092

986

Admission requirements (interview)



- Teacher's qualities
- Communication skills
- ICT knowledge and experience
- Current trends of ICT education
- New ICT curriculum
- Logical thinking skills

3



U Life

Learn & Play in MIT



Seminars and Workshops



香港教育大學
The Education University of Hong Kong

Department of Mathematics and Information Technology

MSc(AI&EdTech) Seminar

Technology-enhanced learning and teaching: Learning activities and learning analytics



PRESENTATION ABSTRACT

On the one hand, research in technology-enhanced learning investigates the effective conditions for using computer-based learning environments and examines how their design features and support measures influence students' learning. On the other hand, research in technology-enhanced teaching explores and develops methods for measuring teachers' digital skills, identifies effective contextual conditions at an institutional level, and delves into the orchestration of digital technologies within classrooms. In this presentation, I will elaborate on how adopting a perspective centered on learning activities and learning analytics helps us understand better technology-enhanced learning mechanisms and conditions for effective teaching with digital technologies. Thus, I will provide insights for enhancing students' learning outcomes and motivation with the help of digital technologies. Additionally, I will take a holistic approach to technology-enhanced learning and teaching, offering an overview of my research and covering specific topics such as gamified and simulation-based learning, as well as the role of AI in education.

PROF MICHAEL SAILER
Learning Analytics and Educational Data Mining
University of Augsburg

14 March 2024 (Thursday) 3:30 pm – 4:30 pm

English Zoom (The Zoom link will be sent to participants who have registered)

ABOUT THE SPEAKER

Michael Sailer is a W3-professor for Learning Analytics and Educational Data Mining at the University of Augsburg since October 2023. He holds a doctorate in psychology and education from LMU Munich and has expertise in research methods, the psychology of learning and teaching, and the digitalization of teaching and learning. His research focuses on technology-enhanced learning and teaching, gamified learning, simulation-based learning, learning analytics, and AI in education. He is a member of the Munich Center of the Learning Sciences and is actively involved in the expert group "AI in Education" initiated by the BMBF. Additionally, he serves as a Special Issue Editor for the journal "Learning and Individual Differences".

INQUIRIES: Miss Vicky Long
2948 8549
mit@eduhk.hk

REGISTER NOW!
Registration Deadline: 5 pm, 11 Mar 2024





香港教育大學
The Education University of Hong Kong

Department of Mathematics and Information Technology

Online Seminar

Supported by Departmental Research Grant 2022-23

Development of an avatar expression remix system to identify avatars' facial expressions for authentic social interactions in the metaverse

Date: 18 Aug 2023 (Friday)
Time: 12:00-12:30 pm (Hong Kong Time)
Language: English
Format: Zoom
(The Zoom link will be sent to participants who have registered)

Speaker: Dr. Song Yanjie, Associate Professor
Department of Mathematics and Information Technology
The Education University of Hong Kong



About the Speaker:

Dr. Song Yanjie is Associate Professor at Department of Mathematics and Information Technology, The Education University of Hong Kong. Her research interests include artificial intelligence in education, metaverse in education, multimodal learning analytics, and innovative pedagogy designs. Song has been successful in leading her team to develop award-winning apps and platforms, including the metaverse platform called 'Learningverse'. This platform won the 'Bronze Medal' in the 'Geneva Inventions' 2023 (Switzerland). She has also published over 30 SSCI journal articles with the majority of them being first-authored ones. Additionally, she has won a few best paper / best presentation awards in different international conferences.

ABSTRACT

Although many studies have been conducted to track avatar facial expressions, studies on recognition of avatars' facial expressions that directly mirror real users' expressions in the metaverse could hardly be found in the current literature. In light of this, the speaker will share the development of an avatar expression remix system to enhance authentic social interactions and effective communication among avatars in the metaverse – 'Learningverse' developed by her research team. The avatar expression remix system comprises four steps consisting of user expression recognition, emotion analysis, avatar expression animation remix, and avatar expression rendering in 'Learningverse'. The study contributes to the literature in terms of the avatar expression remix system development to engage students in authentic social interactions and improving collaborative learning in the metaverse.

INQUIRIES: Miss Vicky Long 2948 8549 mit@eduhk.hk

REGISTER NOW!





香港教育大學
The Education University of Hong Kong

Department of Mathematics and Information Technology

Departmental Seminar

AI-based feedback and digital game-based learning

1 February 2024 (Thursday) 2:30 - 3:30 pm

English D3-LP-11

Speakers: Dr. Wang Jingyun, Assistant Professor
Department of Computer Science, Durham University
jingyun.wang@durham.ac.uk



Abstract:

Feedback is a crucial process in education because it helps learners identify their weaknesses whilst motivating them to continue to learn. Existing systems often only provide a score or rating with basic explanations. Although some systems provide detailed feedback, they require manual input from teachers. In this talk, I will demo some real-time feedback visualisation systems developed by our lab. For example, a real-time feedback visualisation system (called BETTER) for supporting emotional speech training which uses a visual dashboard to provide the learner with immediate feedback in the form of written, audio, and visual feedback. Moreover, I will also demonstrate some of our innovative work in Computer Science education including game-based learning.

REGISTER NOW!
Registration Deadline: 5 pm, 29 Jan 2024



About the Speaker

Dr. Wang Jingyun is a member in Artificial Intelligence and Human Systems Group and a member of Pedagogical Innovation in Computer Science Group, in Durham university. She is also a core academic member of Centre for Neurodiversity & Development. She obtained her bachelor's degree in computer science from East China Normal University, her master from Nanjing University of Science and Technology, and her PhD in educational technology (engineering) from Kochi university of technology (Japan). Before join Durham university, she was an Assistant Professor (2014-2020) at the Research Institute for Information Technology, Kyushu University, Japan. Her main research focuses on educational technology, computational thinking education, visualization systems, knowledge graph, data mining, AI supported education, educational big data analytics, etc. She is an editorial board member for Computers & Education: Artificial Intelligence and International Journal of Mobile Learning and Organisation, and a regular reviewer for Transactions on Learning Technologies, Computer Assisted Language Learning, Educational Technology & Society, Technology, Pedagogy and Education, etc.

INQUIRIES: Miss Vicky Long 2948 8549 mit@eduhk.hk

REGISTER NOW!





Workshops and Events



Robotics Society STEM WORKSHOP
New Student Orientation Week Series

ABOUT IT
In this workshop, participants may have the chance to taste the following areas.

- ARDUINO**
Learn the basic operation and basic programming using C language of Arduino
- LASER CUTTING**
Create your own laser cut display light sign
- LEGO SPIKE PRIME**
Introduce Robotics and programming using the Lego Spike Prime

RMK II Robotics DETAILS

DATE
15 August 2023

TIME
10:30-12:30 & 14:00-17:00

VENUE
TBC

852 9131 5089

roboticsoc@s.eduhk.hk

robocon.eduhk.hk

Join Now



STEM Summer Workshop

Date: 16/23 Aug 2023 **Venue:** D3-G/F-01 (Computer Lab)
Time: 2:00 - 5:00 pm **Language:** English and Cantonese
Fee: Free **Participant:** Secondary 4-6/MIT Students
Transport: Round-trip transportation service for the participants from University Station to Tai Po Campus is provided.

REGISTRATION:

16/8
AR & VR + CoSpaces + NodeMCU

- Virtual game experiences
- Making 3D objects with Tinkercad
- Exploring CoSpaces
- Making a pulse oximeter

23/8
Micro:bit + NodeMCU

- Making a pulse oximeter
- IoT Weather Station
- Data streamer

E-certificate is provided

Enquiries: Mr. KC Cheung (Department of MIT, EdUHK) Email: mkccheung@eduhk.hk



人工智能及創新科技比賽
2024-2025

主題: 運用人工智能或創新科技 - 促進可持續發展

參賽對象 比賽對象為全港中學生 **參賽資格** 每隊參賽隊伍必須由最多3位學生組成，每間學校最多可派出3隊學生參賽

比賽章程

第一階段 (截止日期: 2025年1月10日)
參賽隊伍可運用人工智能及資訊科技，以「運用人工智能或創新科技 - 促進可持續發展」為主題，設計方案及程式/軟件，並製作5分鐘短片。

第二階段 (日期: 待定)
在初賽入圍的隊伍，將於決賽當日各自在5分鐘內，即場向「評審委員會」介紹方案，解釋作品的設計理念，及示範其開發的作品，並接受「評審委員會」之提問。

評審準則 (第二階段)

創意	20%
人工智能/生成式人工智能應用	20%
數據分析/創新科技/STEAM元素的運用 (問題分析、與主題的相關性、資料搜集的準確性、功能及介面設計、創新科技的應用以及應用創新科技的適應性)	20%
設計於實踐 (創新理論於實際性、可持續發展應用之價值及效益、製成品的質量、以及測試及評估)	30%
表達技巧及團隊合作 (方案及作品的展示、邏輯的清晰程度、以及團隊的合作)	10%

獎項

- 冠軍、亞軍、季軍、優異獎
- 最具創意獎
- 最佳演繹獎
- 最佳數據分析獎
- 最佳生成式人工智能應用獎

評審委員會成員
無任明校長 香港電腦教育協會 榮譽主席
鄧文海先生 香港資訊科技教育協會 主席
廖國政先生 香港科技教育學會 副主席

籌委會成員

主席	副主席	秘書長	司庫	幹事
何志強博士 (籌委會主席)	陳志強博士 (籌委會副主席)	陳志強博士 (籌委會秘書長)	陳志強博士 (籌委會司庫)	陳志強博士 (籌委會幹事)
陳志強博士 (籌委會副主席)	陳志強博士 (籌委會秘書長)	陳志強博士 (籌委會司庫)	陳志強博士 (籌委會幹事)	陳志強博士 (籌委會幹事)
陳志強博士 (籌委會副主席)	陳志強博士 (籌委會秘書長)	陳志強博士 (籌委會司庫)	陳志強博士 (籌委會幹事)	陳志強博士 (籌委會幹事)
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陳志強博士 (籌委會副主席)	陳志強博士 (籌委會秘書長)	陳志強博士 (籌委會司庫)	陳志強博士 (籌委會幹事)	陳志強博士 (籌委會幹事)

主辦單位
Department of Mathematics and Information Technology, The Education University of Hong Kong

協辦單位
Education Bureau

贊助
Mr. and Mrs. Lam Kwai Research Fund for Artificial Intelligence in Educational and Technological Innovations

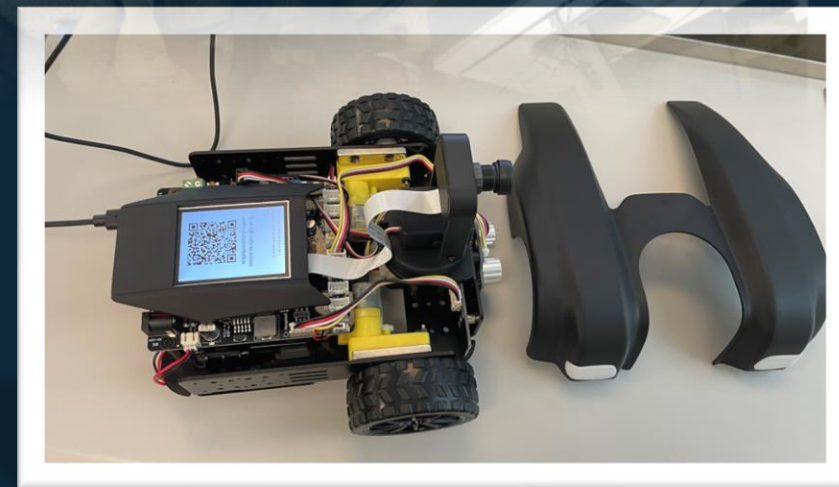
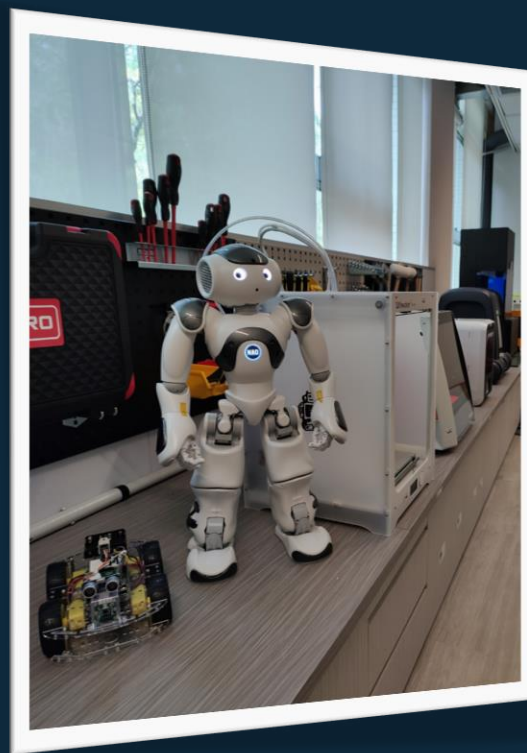


3D Printing Workshop and Company visit





AI robotics workshops



Overseas study tours

❑ Maker Fair



Figure 1 EduHK Delegation visits The University of New South Wales



Overseas study tours

香港教育大學
The Education University
of Hong Kong

Ready for the
Student Exchange
challenge ?
ACT NOW!

Study
Culture
Personal

**Student
Exchange
Programmes**
學生交換計劃

JOIN US AT

- Exchange Fair
- Preparatory Sessions
- Information Sessions

Further details can be found on GAO website

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<http://www.eduhk.hk/gao>
outbound@eduhk.hk
(852) 2948 7654

- America & Oceania
- Europe
- Greater China
- Asia



Conferences





Student associations

Instagram

Search



eduhkict_ictsa

Message

24 posts 349 followers 302 following

香港教育大學第十屆資訊及通訊科技系會臨時行政委員會



edmunityeduhk

Message

13 posts 118 followers 37 following

Edmunity EdUHK
Product/service
Edmunity (education & community) is a platform that aims to provide free STEM education services to the community.
docs.google.com/forms/d/e/1FAIpQLSc2gWDim1HZ1itgfRatXShb3qDKsZxZwVNL12...



eduhk_robotics

Message

2 posts 104 followers 49 following

教大機械 Eduhk_Robotics
香港教育大學 機械人學會
The Education University of Hong Kong - Robotics Society
forms.gle/qAYXL3gNZtg2bcdK8





EdUHK Self-Nomination Admissions Scheme

Deadline:
27 May 2026
(Second Round)



◇ <https://www.apply.eduhk.hk/ug/selfnom#nomination-methods>

4

Career Prospect





What after graduation?

Further Study
(Master Degree)

**Secondary
School Teachers
(ICT, STEM)**

Self-employment
(Startup)





\$35,080 – 44,765

GM (學位教師)

\$82,330 – 97,575

SGM (高級學位教師)





Payscale

官立、資助學校教師薪級表

(2024年4月1日生效)

此表僅供參考，以政府或學校資料為準

小學學位教師	中學學位教師	薪級點	現行薪酬
		49	147,125
		48	142,010
	一級校長 PI (45-49點)	47	137,085
		46(44B)	132,275
一級小學校長 HMI (43-46點)		45(44A)	127,700
		44	119,650
	二級校長 PII (40-44點)	43	115,495
		42	110,740
	二級 小學校長 HMII (40-43點)	41	106,155
		40	101,775
	首席學位 教師 (副校長) PGM (38-41點)	39	97,575
		38	93,255
高級小學 學位教師 (副校長) SPSM (34-39點)		37	89,170
	高級學位 教師 SGM (34-39點)	36(33C)	85,130
		35(33B)	83,150
		34(33A)	82,330

小學學位教師
PSM
(30-33點)

學位教師
GM
(不同時期入職，
薪級點不同)

助理小學學位教師
APSM
(不同時期入職，
薪級點不同)

33	81,510
32	77,855
31	74,345
30	71,010
29	67,850
28	64,780
27	61,865
26	59,110
25	56,450
24	53,980
23	51,545
22	49,230
21	47,010
20	44,765
19	42,640
18	40,620
17	38,715
16	36,850
15	35,080
14	33,405
13	31,795
12	29,995

不同時期入職薪級點

2000/03/31或以前 或
2007/08/01-2010/09/30入職

2000/04/01-2007/07/31入職

2010/10/01或以後入職

Source:

<https://hkfew.org.hk/%E6%AC%8A%E7%9B%8A/%E8%96%AA%E6%B4%A5-%E5%85%AC%E7%A9%8D%E9%87%91/item/10992-%E6%95%99%E5%B8%AB%E8%96%AA%E7%B4%9A%E8%A1%A8-2024%E5%B9%B4%E6%9C%88%E6%97%A5%E7%94%9F%E6%95%88>

*此表僅供參考，以政府或學校資料為準



Successful stories



Mr. Kwan Man Lung, Ken

Lam Tai Fai College, KLA Conveners (Technology)

The first cohort of graduate of Bachelor of Education (Honours) (Secondary) - Information and Communication Technology Major

"Boost your confidence and explore more than textbooks"

Interview Video





Successful stories



EdUHK Start-up Awarded Seed Funding from Cyberport



More Information

Website



<https://www.eduhk.hk/mit>

Facebook Page



<https://www.facebook.com/mit.eduhk/>

Instagram



<https://www.instagram.com/mit.eduhk>



Thanks!

Any questions?



Survey

Thank you for attending our session. Please take a few minutes to complete the following survey. Your feedback will be very useful for us to further improve our activities in future.





Disclaimer

1. Every effort has been made to ensure the accuracy of the information contained in this presentation. Changes to any aspects of the programmes may be made from time to time as due to change of circumstances and the University reserves the right to revise any information contained in this website as it deems fit without prior notice. The University accepts no liability for any loss or damage arising from any use or misuse of or reliance on any information contained in this website.
 2. Any aspect of the courses and course offerings (including, without limitation, the contents of the course and the manner in which the course is taught) may be subject to change at any time at the sole discretion of the University if necessary. Without limiting the generality of the University's discretion to revise the courses and course offerings, it is envisaged that changes may be required due to factors including staffing, enrolment levels, logistical arrangements, curriculum changes, and other factors caused by change of circumstances. Tuition fees, once paid, are non-refundable.
 3. Students admitted into this programme are required to visit the Greater Bay Area (GBA) and/or other parts of Chinese Mainland. The programme may also require students to participate in other non-local learning experience for completion of the programme. While the visits are subsidised, students are required to contribute part of the estimated cost of the visits ("students' contribution"), whereas any personal entertainment, meals expenses, travel document fee and personal insurance costs shall be at students' own expense. The estimated cost of the visits and students' contribution for students admitted to the coming cohort is yet to be available due to a variety of factors such as inflation of cost of the visits, trip duration, traveling expenses, the exchange rate, etc.
 4. EdUHK is one of the teacher education providers in Hong Kong. Graduates of the University's teacher education programmes are eligible to apply to become fully qualified Registered Teachers. For registration as a teacher, graduates should approach the Teacher Registration Team of the Education Bureau (EDB) to submit applications directly. All applications will be independently assessed by the EDB which will consider, among other things, whether an applicant has been convicted of any criminal offence (including sex-related offences) in Hong Kong or elsewhere, or is involved in any ongoing criminal proceedings or investigations. For details, please browse the EDB's [official website](#).
 5. Students admitted into this programme are normally assigned a focus of study (i.e. primary or secondary level) by the end of their first year of study. The focus of study will be reflected in the arrangements for their Field Experience and adopted for the purpose of application for Registered Teacher in Hong Kong upon graduation. This programme is designed to provide students with the disciplinary and professional competency to teach in both primary and secondary schools. However, recognition of Registered Teacher in primary or secondary schools in Hong Kong is subject to the decision of the Education Bureau (EDB). Graduates of this programme are required to approach the Teacher Registration Team of the EDB to submit applications directly and all applications will be independently assessed by the EDB.
- 