



中學教育榮譽學士 - 資訊及通訊科技
Bachelor of Education (Honours)
(Secondary) - Information and
Communication Technology

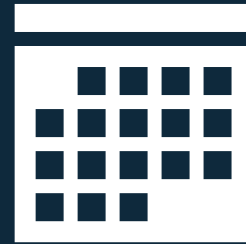




Bachelor of Education (Honours) (Secondary) - Information and Communication Technology



JUPAS code:
JS8361



Duration of Study:
5 years



Funding Category:
UGC-funded



Intake in 2023/24:
16 students



1

Programme Aims and Structure

#ICTeacher #Computing #Pedagogy #Problem-solving

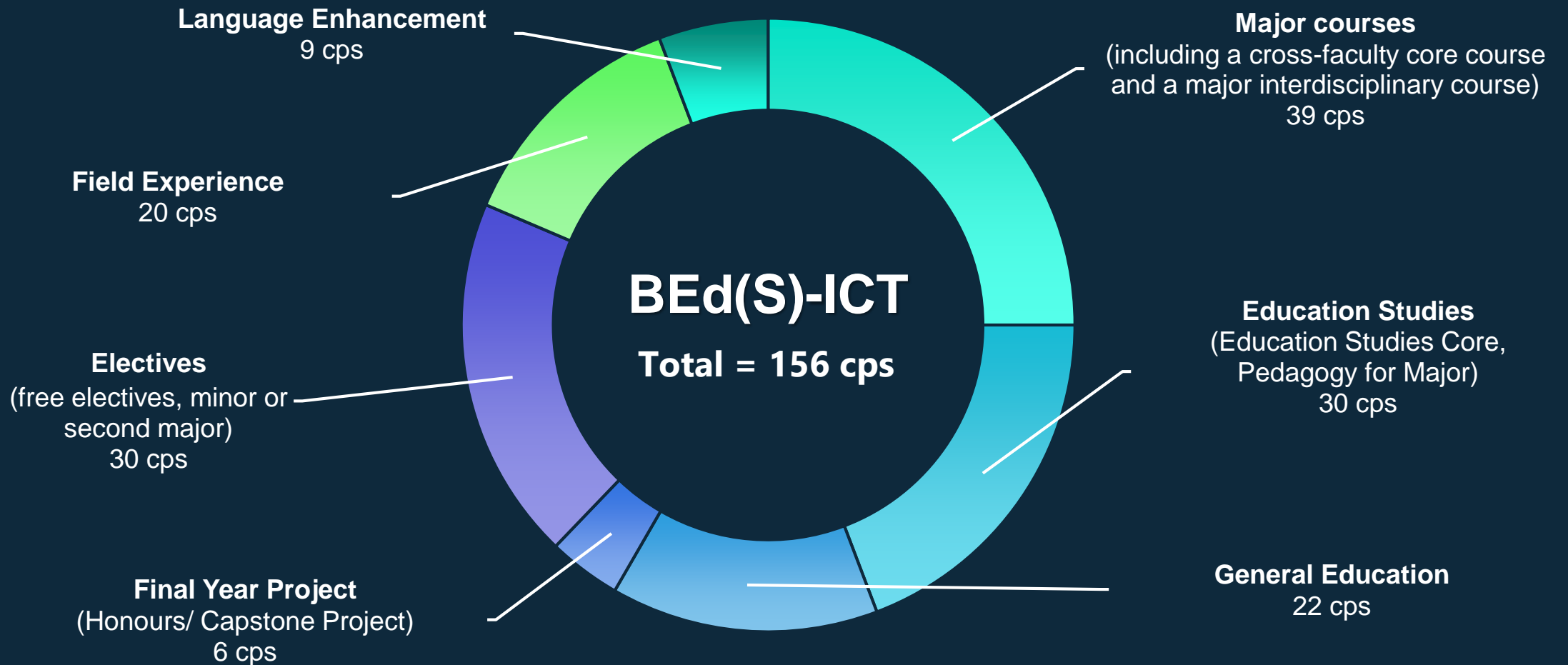
Programme Aims

This programme aims at providing students with a wide range of knowledge and skills in the disciplines of information and communication technology (ICT) and ICT education. Upon completion of the programme, students should be able to:

- ◇ demonstrate an understanding of basic concepts in **major areas of ICT** that supports the applications of information processing, programming, database and Artificial Intelligence (AI) for problem-solving;
- ◇ demonstrate an understanding of methods for **analysing computational problems, and planning and implementing solutions** with ICT to real-world problems;
- ◇ realise the **social, ethical and legal issues** pertaining to the use of ICT and appreciate how digital literacy and the sharing of knowledge using ICT influence **decision-making** and shape our society; and
- ◇ learn to implement **innovative pedagogical practices** leveraged by **digital technologies** for effective teaching of ICT.



Programme Structure





Major courses

- Foundations of Information and Communication Technologies
- Introduction to Programming and Problem Solving
- Data Structures and Algorithms for Data Mining
- Database Management Systems
- Computer Organization and Operating Systems
- Web Design and Digital Authoring
- Internetworking
- Web Database Applications for Data Analytics
- Mobile Applications Design and Development
- Artificial Intelligence and Machine Learning
- Technologies in STEM and AI Education
- Curriculum, Pedagogy and Assessment in ICT Education
- Trends and Development in Learning and Teaching of ICT
- Internet, Politics and Law
- Technology in Business and Creativity

#coding #web #AI #pedagogy #data #technology



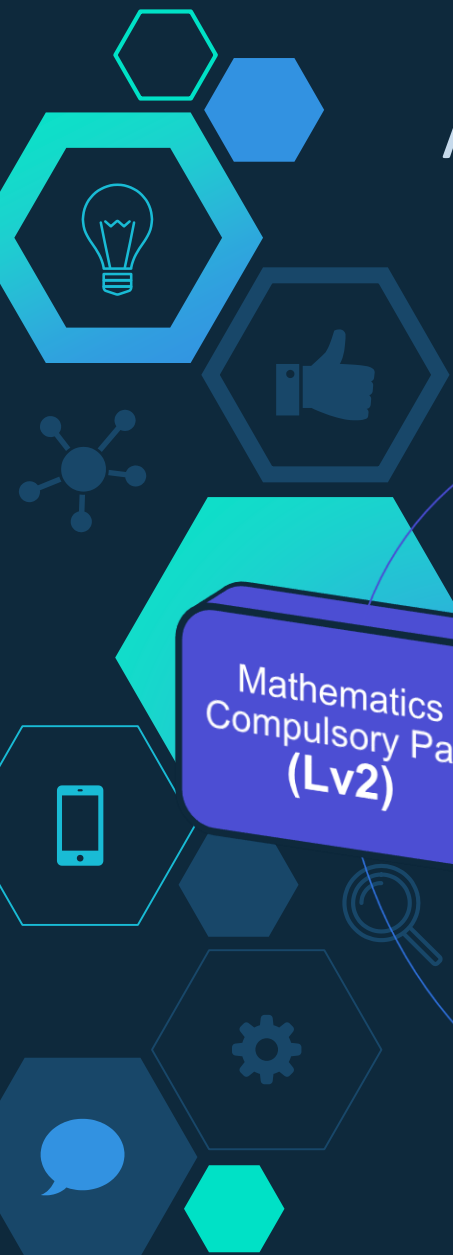


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Admission Requirements

#JUPAS #non-JUPAS #non-local
#AcademicResult
#InterviewPerformance

Admission requirements (JUPAS)



Chinese Language (Lv3)

Mathematics Compulsory Part (Lv2)

English Language (Lv3)

Citizenship and Social Development ("Attained" level)



One elective subject:
ICT or
Biology or
Chemistry or
Physics or
(Lv2)

Past HKDSE result

Year	Mean score (Best 5)
2023	19
2022	19
2021	19

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

<https://www.jupas.edu.hk/en/programme/eduhk/JS8361/>

Admission requirements (non-JUPAS)

GPA \geq 2.7 (for graduates)

GPA \geq 3.0 (for non-graduating students i.e. year 1)



**Relevant subjects
in Associate
Degree/ Higher
Diploma / HKDSE**

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

IT WORKSHOPS
DEVELOPING VR EXPERIENCES WITH COSPACES



25 June (Sat)
2:00 pm - 4:00 pm / 4:30pm
Venue: Zoom/ EdUHK Tai Po Campus



Registration:



Enquiries: Dr. LAM Wai Man Winnie
Department of MIT (EdUHK)
Email: winnielam@eduhk.hk



2 JULY (SAT)
2:00 AM - 4:00 PM

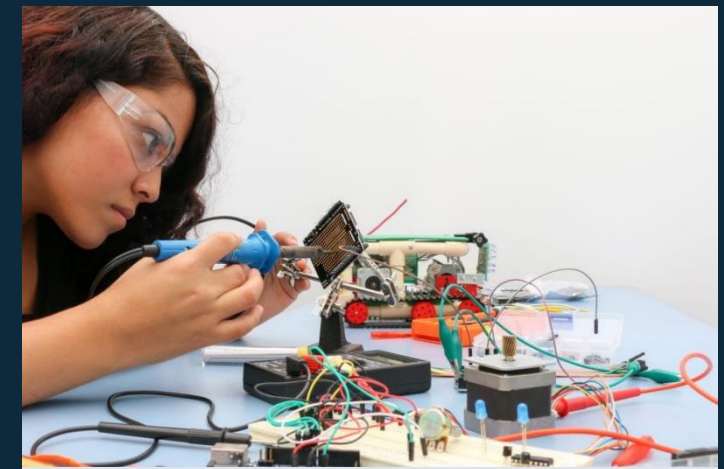


CREATE YOUR OWN AI LEARNING ASSISTANT CHATBOT

ARTIFICIAL INTELLIGENCE WORKSHOP

Learn and create a Chatbot with the AI Technology in the workshop.
Create a personal Assistant to assist your tasks.

Enquiries:
Dr. LAM Wai Man Winnie
Department of MIT (EdUHK)
Email: winnielam@eduhk.hk

Venue: Zoom
Register:



ELECTRONIC CIRCUIT DESIGN AND PROGRAMMING WITH ARDUINO

IT Workshops by Department of MIT (EdUHK)

Experience electronic engineering and programming. Use Arduino to create a STEM project.

Date: 23 July (SAT)
Time: 10:00am - 12:00pm
Venue: EDUHK Tai Po Campus
Quota: 20

Enquiries:
Dr. LAM Wai Man Winnie
Department of MIT (EdUHK)
Email: winnielam@eduhk.hk

Register:



Workshops and Events



Hong Kong Teaching Excellence Alliance
Community of Practice

The Innovation & Future of STEM Education
https://hktea.edu.hk/cop/stem

Workshop

STEM Across the Curriculum in AI education

Experience sharing and panel discussion

16 December 2022 (Fri), Zoom
5:00 - 6:30 pm

Keynote speakers



Prof. Helen MENG
Patrick Huan Wing Ming Professor of Systems Engineering & Engineering Management
The Chinese University of Hong Kong
Co-creation of a Pre-tertiary AI Curriculum for Hong Kong

To register for this event, please visit the CoP page:



Prof. Siu Cheung KONG
Director, Centre for Learning, Teaching and Technology
Research Professor, Department of Mathematics and Information Technology
The Education University of Hong Kong
Promoting AI Literacy through STEM Education for Senior Primary Students: Empowering Pre-Service Teachers



Prof. Philip Leung Ho YU
Head and Professor, Department of Mathematics and Information Technology
The Education University of Hong Kong
Integrating AI and Mathematical Modeling in STEM Education

Abstract of the Workshop:

Artificial intelligence (AI) is infused in our everyday lives, from helping us navigate to our destinations, recommending a connection on social media, and helping us make e-payments. In addition, AI has begun to solve some fundamental scientific problems such as protein folding through more accurate computational simulations to the level of experimental results. It is, therefore, imperative that we educate our next generation about all the aspects surrounding AI, including its ethical challenges, and background and development in impacting society. In this workshop, leading Hong Kong educators will share their experiences and challenges in this initiative of bringing AI Education to our students through related STEM like experiential learning opportunities.

Panel Discussion with Dr. Fridalin TING (Moderator) and 3 speakers



人工智能與教育科技工作坊

此工作坊由香港教育大學-數學與資訊科技學系與香港資優教育學苑合辦。本工作坊將展示一系列人工智能和教育科技 (例如人工智能機器人、虛擬實境/擴增實境/混合實境的開發、編寫手機程式、物聯網編程)。工作坊將安排實習活動。分享時間將有如何應用AI於創意的成功例子。另外將安排實地考察,以瞭解AI和教育科技如何使教與學受惠。

課節	日期	時間	地點
1	2022年8月24日	上午10:00-下午1:00	香港教育大學(B1-LP-01)
2		下午2:00-下午5:00	Microsoft 香港

*此工作坊提供專車接送,早上由港鐵大學站至香港教育大學,中午由香港教育大學至Microsoft香港,下午由Microsoft香港至港鐵金鐘站解散。成功報名的參加者將會收到電郵通知以確定時間及上車地點。

人工智能與教育科技工作坊講師



楊良河教授
香港教育大學
數學與資訊科技學系主任



羅永華博士
香港教育大學
數學與資訊科技學系 助理教授



林恩儀先生 (校友)
Streak Limited
初創公司聯合始創人



郭永祥先生 (校友)
Streak Limited
初創公司聯合始創人

對象 中四至中六學生 及 即將於香港教育大學修讀
數學與資訊科技學系相關學科的新生

講授語言 粵語授課

參加者將會獲發 **電子證書**

請即掃描
QR Code
填寫表格參加活動

先到先得, 額滿即止



人工智能及創新科技比賽

2023-2024

運用人工智能或創新科技解決校園或生活上的難題

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

比賽形式

初賽 (截止日期: 2024年1月12日)

參賽隊伍需運用人工智能及資訊科技, 設計校園生活主題方案及程式/套件, 並製作5分鐘的短片。

決賽 (日期: 2024年3月9日)

晉身決賽之隊伍, 將於決賽當日在限時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。

開幕典禮

我們誠邀有興趣參與是次比賽的負責老師、學生及家長出席開幕禮, 共襄盛舉。

日期: 2023年10月19日 (星期四)

時間: 15:30 - 17:30

形式: Zoom 網上會議

更多比賽資訊請瀏覽:
<https://edu.hk/aiiedtech/>

評審準則

創意	20%
數據及人工智能素養/科技/STEAM元素	40%
設計的實踐	30%
表達技巧及團隊協作	10%

獎項

- 冠軍、亞軍、季軍、優異獎
- 最具創意獎
- 最佳演繹獎
- 最佳功能及介面設計獎
- 最具數據及人工智能素養獎

評審委員會成員

區佩明教授 香港電腦教育學會 榮譽主席
張文新先生 香港數碼科技教育協會 主席
謝煥政先生 香港科技教育學會 副會長

籌委會成員

楊卓明教授 (籌委會主席)
區佩明教授 (籌委會副主席)
余浩基博士 (籌委會成員)
盧國祥博士 (籌委會成員)
錢耀廷博士 (籌委會成員)
馮高晉博士 (籌委會成員)
黃澤華博士 (籌委會成員)
游浩明博士 (籌委會成員)
邱國治先生 (籌委會成員)
何華輝博士 (籌委會成員)
陳國才博士 (籌委會成員)

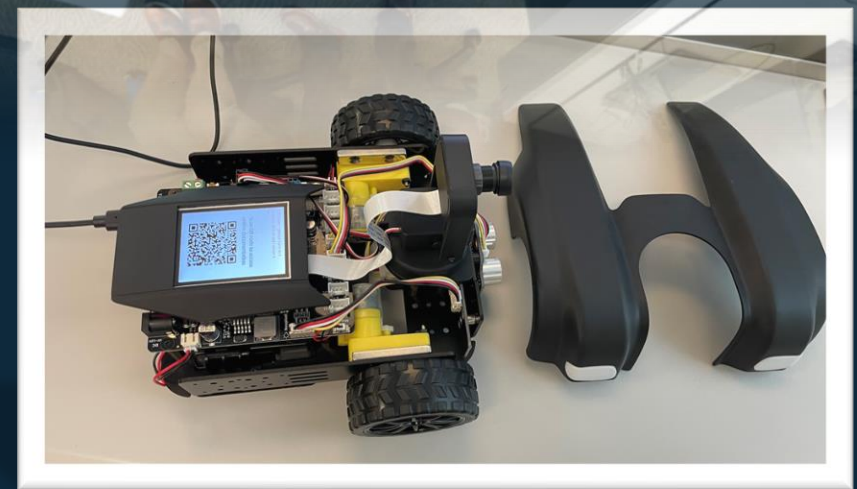
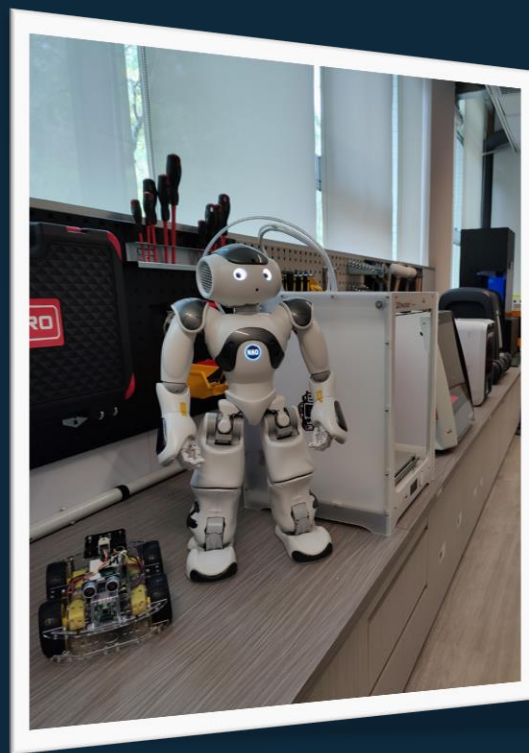


3D Printing Workshop and Company visit



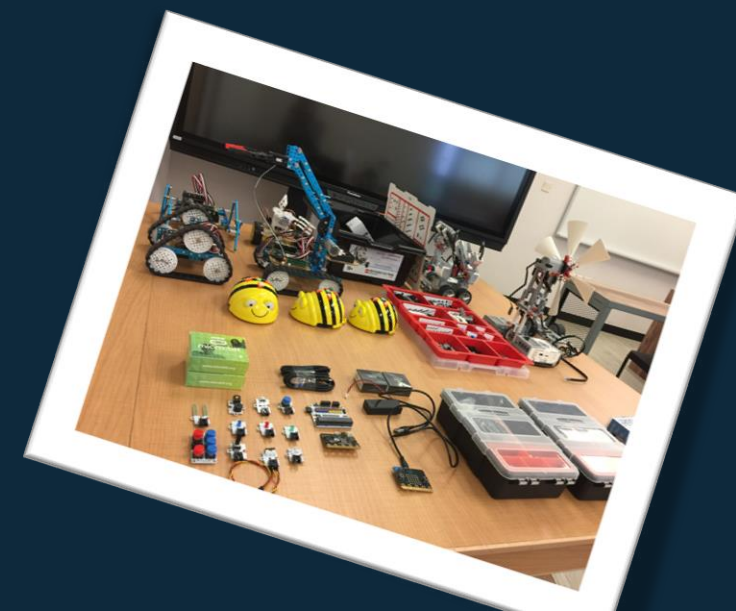
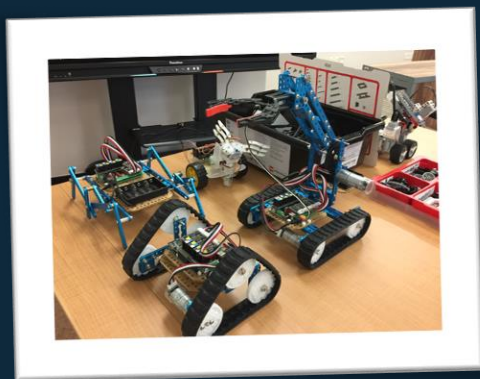
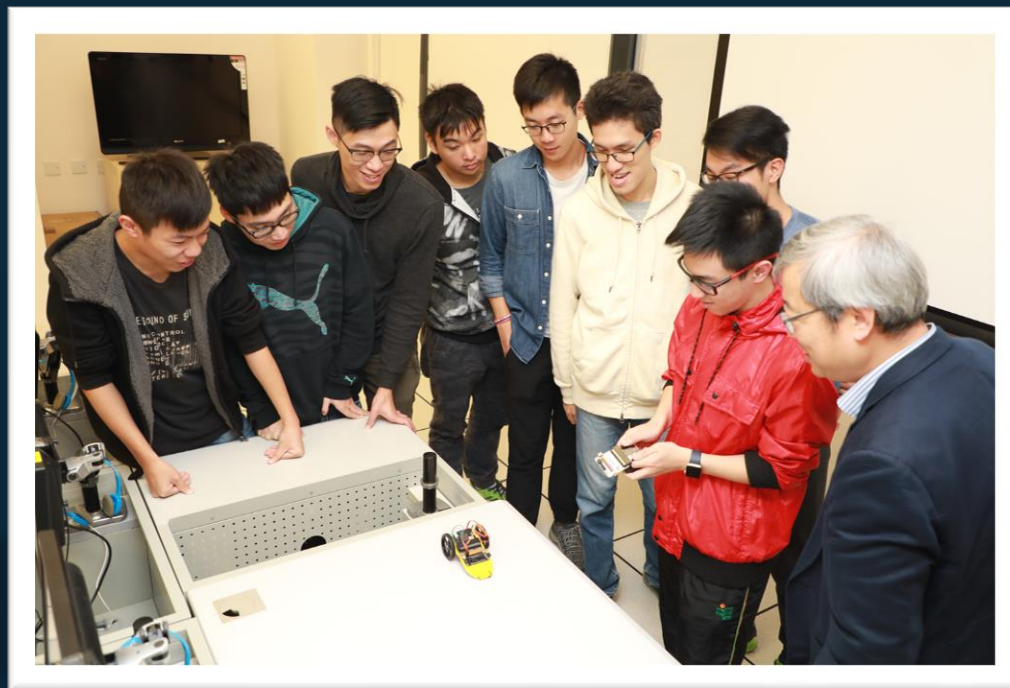


AI robotics workshops





STEM workshops



Overseas study tours

□ Maker Faire





Overseas study tours

香港教育大學
The Education University
of Hong Kong

Ready for the
Student Exchange
challenge?
ACT NOW!

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

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- Exchange Fair
- Preparatory Sessions
- Information Sessions

Further details can be found on GAO website

Global
Affairs
Office
環球事務處

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

- America & Oceania
- Europe
- Greater China
- Asia




International Conferences



IASC-ARS INTERIM CONFERENCE 2022
 THE INTERPLAY BETWEEN STATISTICAL COMPUTING AND ARTIFICIAL INTELLIGENCE
 12-13 DEC

Book of Abstracts



香港教育大學
The Education University
of Hong Kong



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 ROBOCON 2022

WE ARE NOW RECRUITING!
JOIN OUR ORIENTATION DAY, TRIAL AND TASTE
OF BUILDING AND PLAYING ROBOTS.





EdUHK Self-Nomination Admissions Scheme

Deadline:
31 December 2023
(1st round)



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

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Career Prospect





What after graduation?

Further Study
(Master Degree)

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

Self-employment
(Startup)





\$34,060 – 43,460

GM (學位教師)

\$79,930 – 86,575

SGM (高級學位教師)



Payscale

官立、資助學校教師薪級表

(2023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	142,840
		48	137,875
	一級校長 PI (45-49點)	47	133,090
		46 (44B)	128,420
一級小學校長 HMI (43-46點)		45 (44A)	123,980
		44	116,165
	二級校長 PII (40-44點)	43	112,130
		42	107,515
	二級 小學校長 HMII (40-43點)	41	103,065
		40	98,810
	首席學位 教師 (副校長) PGM (38-41點)	39	94,735
		38	90,540
高級小學 學位教師 (副校長) SPSM (34-39點)		37	86,575
	高級學位 教師 SGM (34-39點)	36 (33C)	82,650
		35 (33B)	80,730
		34 (33A)	79,930

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)	薪級點	現行薪酬
		33	79,135
		32	75,585
		31	72,180
		30	68,940
		29	65,875
		28	62,895
		27	60,065
助理小學學位教師 APSM (不同時期入職， 薪級點不同)		26	57,390
		25	54,805
		24	52,410
		23	50,045
		22	47,795
		21	45,640
		20	43,460
		19	41,400
		18	39,435
		17	37,585
		16	35,775
		15	34,060
		14	32,430
		13	30,870
		12	29,120

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/en/%E6%AC%8A%E7%9B%8A/%E8%96%AA%E6%B4%A5-%E5%85%AC%E7%A9%8D%E9%87%91/item/9146-%E6%95%99%E5%B8%AB%E8%96%AA%E7%B4%9A%E8%A1%A8-2023%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

Wong Yin Hang Hugo

Programme:

Bachelor of Education (Honours) (Secondary) -
Information and Communication Technology,
2020 Graduate



Tsui Hok Sing Stanley

Programme:

Bachelor of Education (Honours) (Secondary) -
Information and Communication Technology,
2020 Graduate





Successful stories



EdUHK Start-up Awarded Seed Funding from Cyberport



More Information

Website



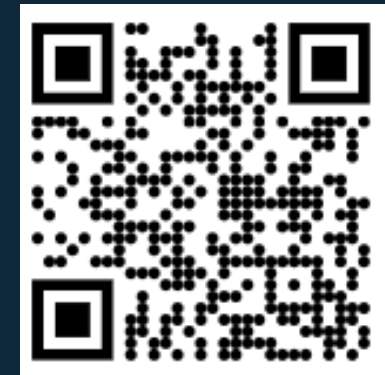
<https://www.eduhk.hk/mit>

Facebook Page



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

Instagram



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



Thanks!

Any questions?



Subject Coordinator of BEd(S)-ICT

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Admissions

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Email: admission@eduhk.hk

