

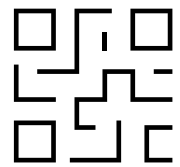


# 人工智能與教育科技榮譽理學士

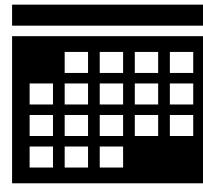
## **Bachelor of Science (Honours) in Artificial Intelligence and Educational Technology**



# BACHELOR OF SCIENCE (HONOURS) IN ARTIFICIAL INTELLIGENCE AND EDUCATIONAL TECHNOLOGY



**JUPAS code:**  
JS8714



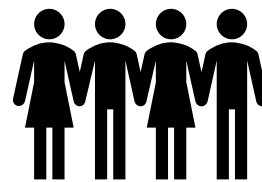
## **Duration of Study:**

4 years (Year I Admissions)

2 years (Senior Year Admissions)



**Funding Category:**  
UGC-funded



## **Intake in 2024/25:**

30 (Year I Admissions)

30 (Senior Year Admissions)

## PROGRAMME AIMS

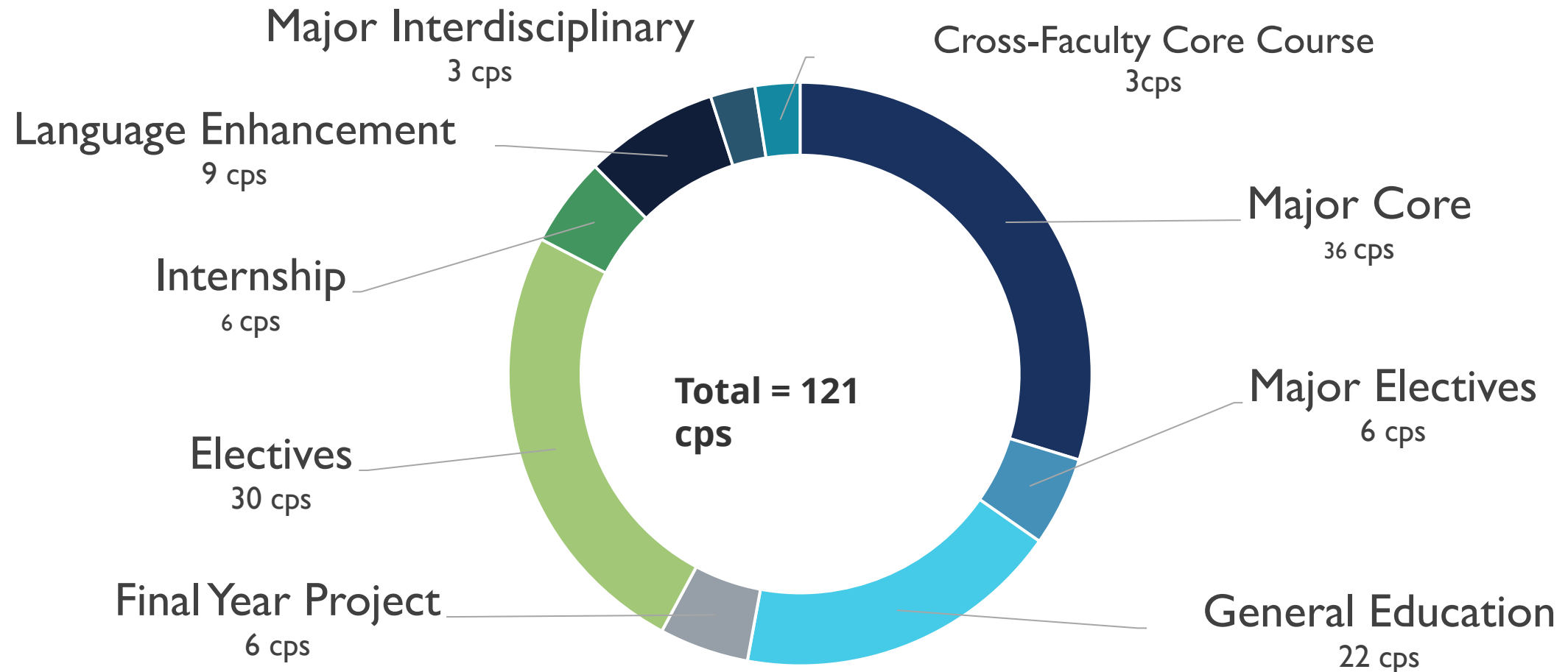
This programme aims at providing students with a wide range of knowledge and skills in **artificial intelligence (AI)** and **educational technology (EdTech)**.

Upon completion of the programme, students should be able to:

- i. demonstrate knowledge and understanding of concepts and tools in AI & EdTech;
- ii. apply knowledge of AI & EdTech appropriate to teaching and learning;
- iii. identify, formulate and address educational problems by using appropriate methods of AI & EdTech in practice; and
- iv. design, implement and evaluate ethical use of AI & EdTech in an educational project to meet desired needs.

# PROGRAMME STRUCTURE (YEAR I ADMISSIONS)

**Medium of Instruction: English**



# MAJOR COURSES

- Introduction to Educational Technology
- Fundamentals of Neural Networks
- Data Structures and Algorithms for Data Mining
- Introduction to Natural Language Processing
- Introduction to Programming and Problem Solving
- Calculus
- Introduction to Probability and Statistics
- Artificial Intelligence and Machine Learning in Education
- Digital Games and Learning in Educational Settings
- Deep Learning for Computer Vision and Education
- Applied Robotics with Applications to Special Education
- Designing STEM Activities with Integrated Engineering and Mathematics\*
- Technologies in STEM and AI Education

*\* Major Elective Course for Year I Admissions only / Major Core Course for Senior Year Admissions only*

#coding

#robotics

#AI

#STEM

#data

#educational technology

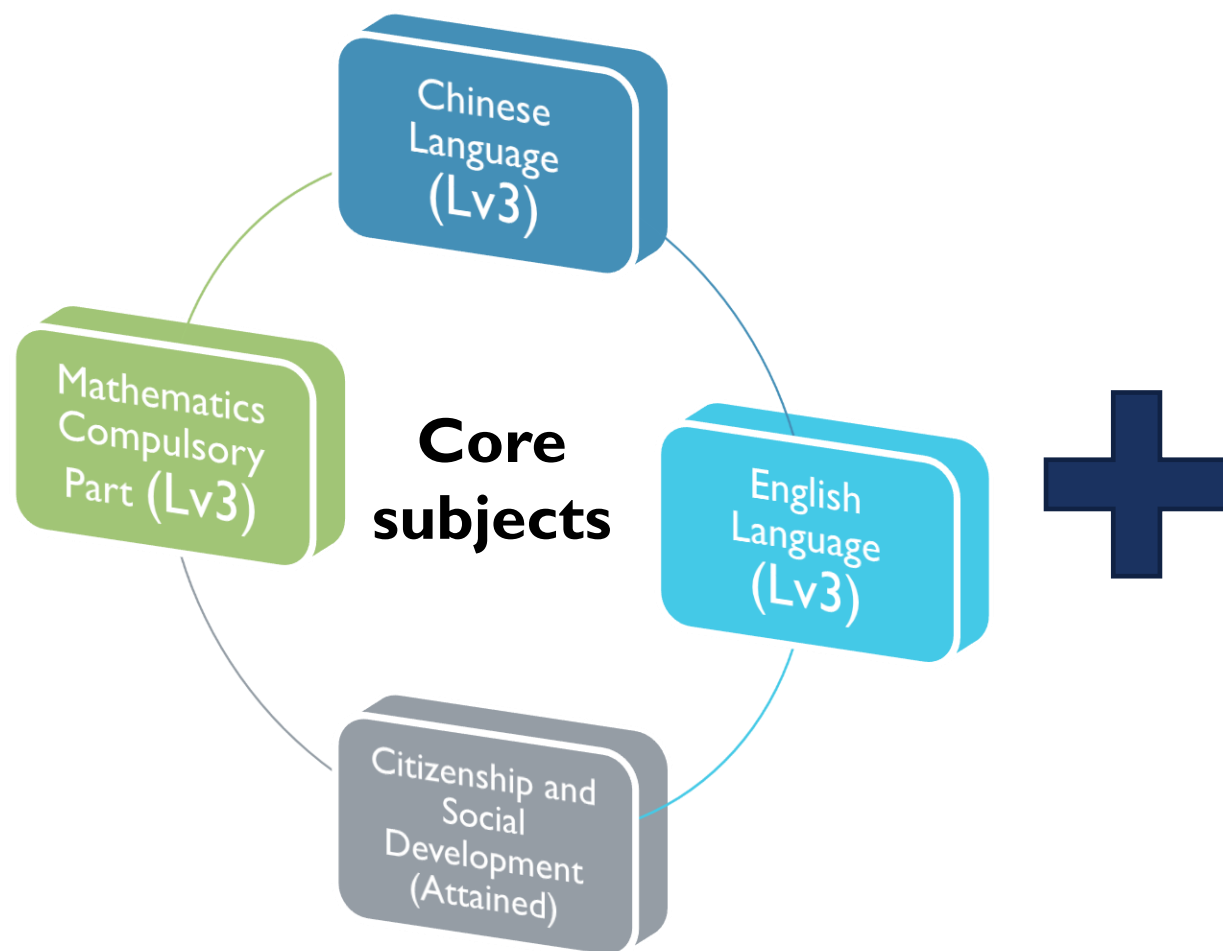


# PROGRAMME FEATURES

- Internship opportunity to work in relevant organisations
- Experiential learning opportunities in collaboration with the organisations and institutions



# ADMISSION REQUIREMENTS (JUPAS)



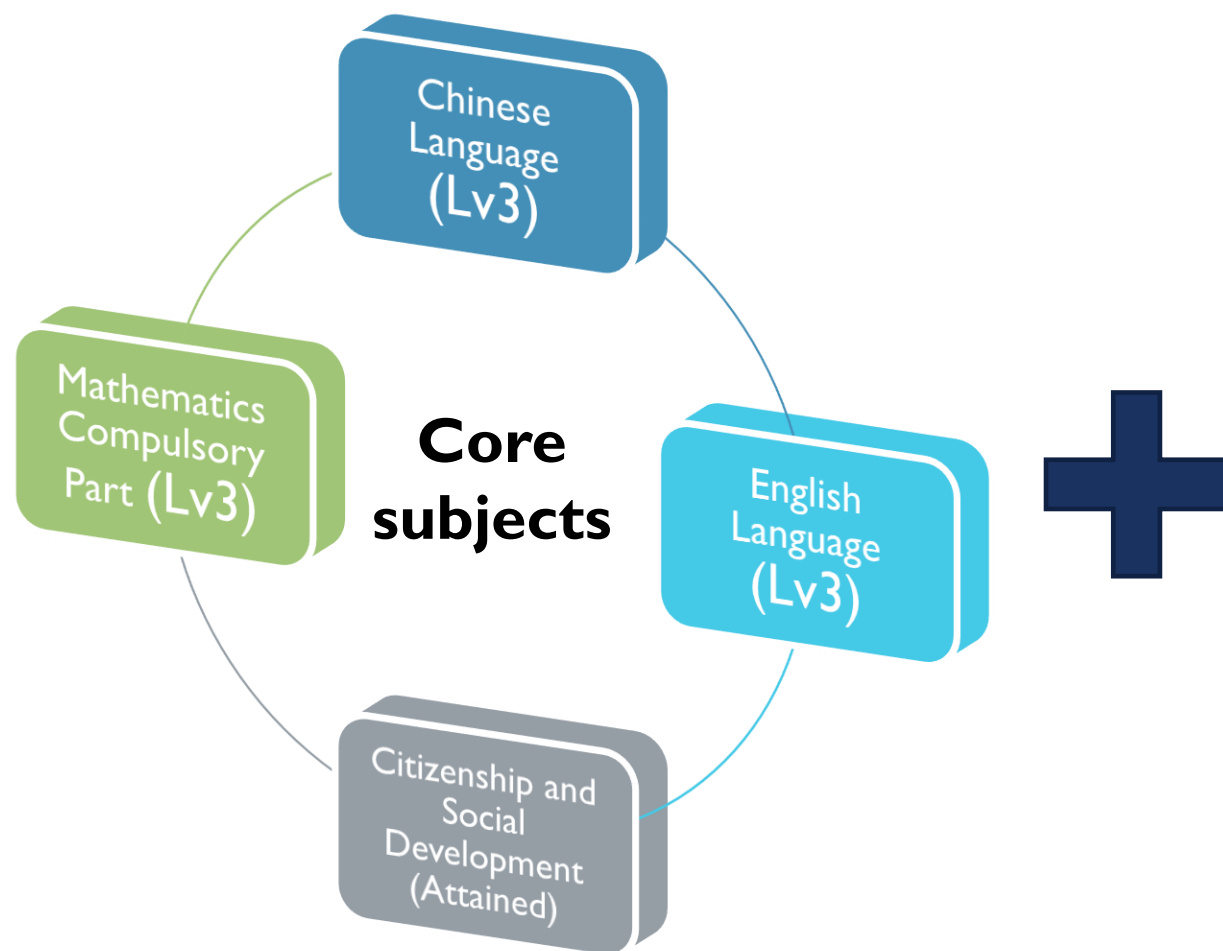
Subject name (minimum level)

## Elective subjects 1 & 2 (Lv2)

Remarks:

1. Not more than one Applied Learning (ApL) subject (Category B) can count as an elective subject, and ApL Chinese is only for non-Chinese speaking students.
2. Mathematics Extended Part (M1/M2) counts as an elective subject but cannot replace Mathematics Compulsory Part. Only the best module will be considered if both M1 and M2 are taken.
3. Other Language subjects (Category C) are accepted as unspecified elective subjects with a minimum requirement of Grade E.
4. Non-Chinese speaking students who meet specified circumstances can provide alternative qualifications in Chinese Language to meet the minimum entrance requirements, except for programs requiring good Chinese proficiency.
5. Admission scores are calculated by the sum of the best five HKDSE subjects, including core and elective subjects, but excluding Citizenship and Social Development.

# ADMISSION REQUIREMENTS (JUPAS)



Subject name (minimum level)

## Elective subjects 1 & 2 (Lv2)

**One of the following elective subjects is required:**

- Information and Communication Technology; or
- Module 1 (M1) or Module 2 (M2) of Mathematics (Extended Part); or
- Any Science subject (i.e. Biology or Chemistry or Physics) in HKDSE

Notes:

- (1) Priority consideration will be given to applicants who have taken more than one of the above listed elective subjects.
- (2) The result of HKDSE **Combined Science / Integrated Science** taken before 2024 is also recognized as one of the elective subjects.



# EDUHK SELF-NOMINATION ADMISSIONS SCHEME



Please scan the QR code for more details.

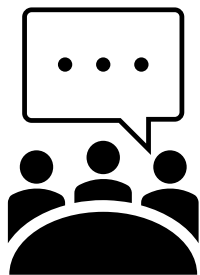
The EdUHK Self-Nomination Admissions Scheme is designed for JUPAS applicants with exceptional potential and outstanding talent in music, sports, STEM or visual arts.

## Nomination Criteria for BSc(AI&EdTech)

- Obtain high performance standard in **respective STEM areas** with relevant achievements
- Put the programme as **Band A** choice in **JUPAS**.

The nomination deadline (2nd round) is **29 May 2024.**

# ADMISSION REQUIREMENTS (TIPS FOR INTERVIEW)



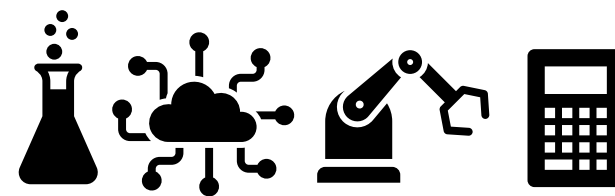
Communication skills



ICT knowledge and skills



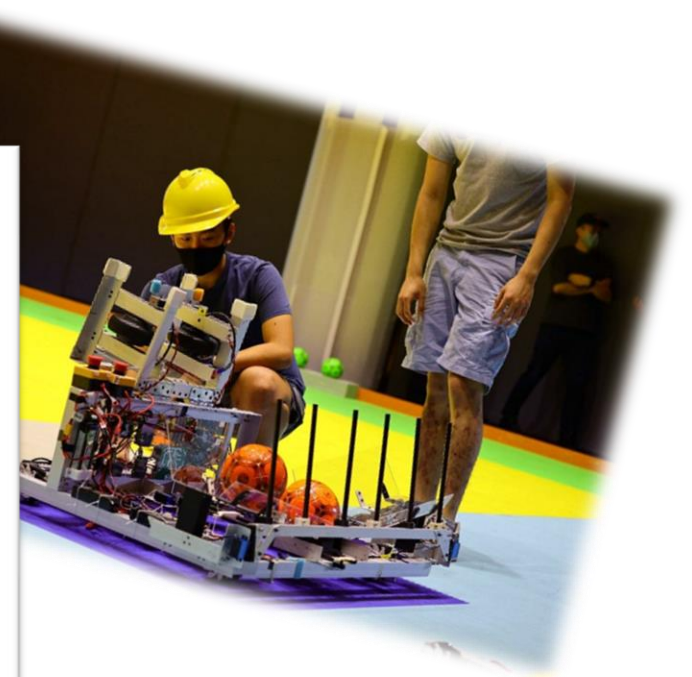
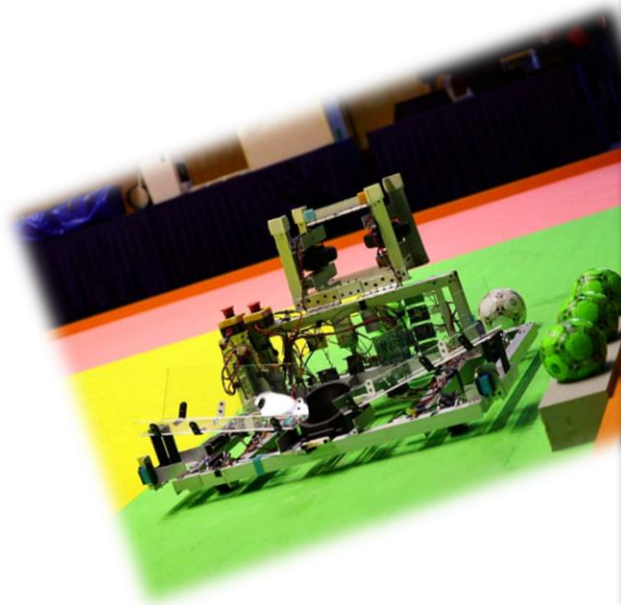
Critical thinking skills



Current trends of AI and educational technology

# OTHER LEARNING ACTIVITIES

## Robotics Team





# OTHER LEARNING ACTIVITIES

## Educational Technology Workshops and Company Visits



# OTHER LEARNING ACTIVITIES

## Overseas tours

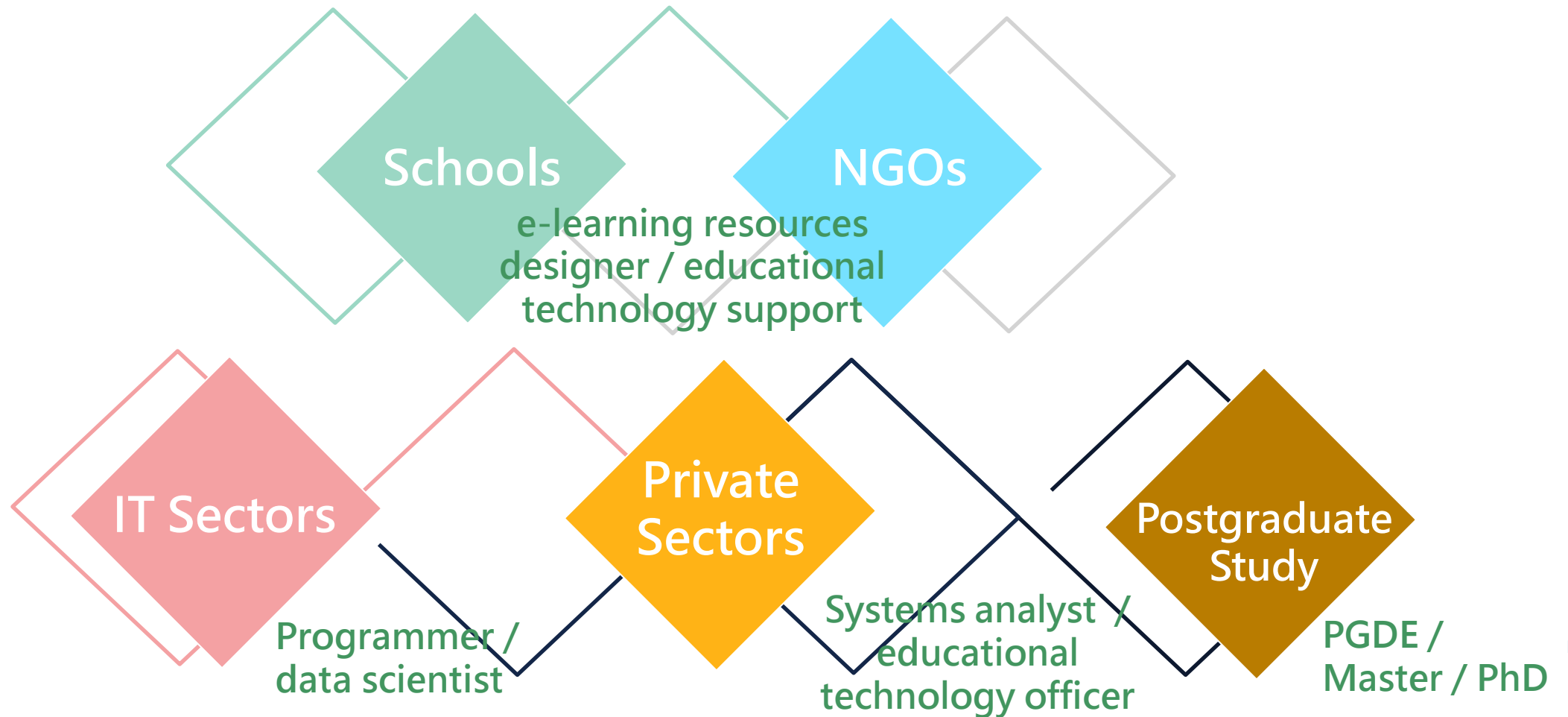




# CAREER PROSPECTS



# CAREER PROSPECTS



## 2022 BED AND PGDE GRADUATES EMPLOYMENT SURVEY

Employment Status	2018	2019	2020	2021	2022
Employed	95.1%	92.7%	91.3%	89.5%	<b>89.2%</b>
Further Studies	4.2%	4.7%	5.8%	7.1%	<b>6.5%</b>
Seeking employment	0.1%	1.4%	1.6%	0.6%	<b>0.8%</b>
Others	0.5%	1.2%	1.3%	2.7%	<b>3.5%</b>

Remarks: There may be a slight discrepancy between the sum of individual items and the total due to rounding

Source: <https://www.eduhk.hk/en/about/facts-and-figures/graduates-employment-figures>

# ENQUIRIES

## **Programme Leader of BSc(AI&EdTech)**

Dr CHAN Tse Tin David

Tel: (852) 2948 7864

Email: [tsetinchan@eduhk.hk](mailto:tsetinchan@eduhk.hk)



### **Admissions**

Tel: (852) 2948 6886

Email: [admission@eduhk.hk](mailto:admission@eduhk.hk)

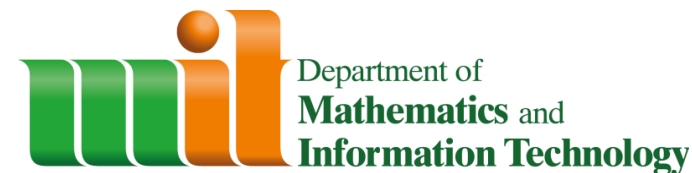


### **Programme Office (FLASS)**

Rm 4, G/F, Block B2

Tel: (852) 2948 7151

Email: [flass@eduhk.hk](mailto:flass@eduhk.hk)



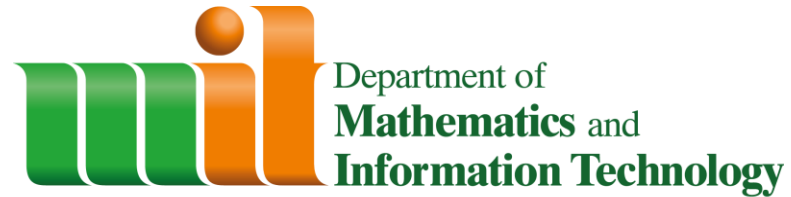
### **General Office (MIT)**

Rm 19A, 1/F, Block D4

Tel: (852) 2948 7824

Email: [mit@eduhk.hk](mailto:mit@eduhk.hk)

## MORE INFORMATION



### Website



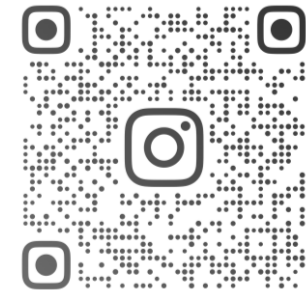
<https://www.eduhk.hk/mit/en/>

### Facebook Page



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

### Instagram



MIT.EDUHK

<https://instagram.com/mit.eduhk?igshid=YmMyMTA2M2Y=>



SURVEY

# Survey



[https://eduhk.au1.qualtrics.com/jfe/form/SV\\_5zhDDNPPSBVMRcW](https://eduhk.au1.qualtrics.com/jfe/form/SV_5zhDDNPPSBVMRcW)