

# Graduate sharing

Mr Yeung Chung Yiu, Richard (2022/23 Dean's Honour List)

As an experienced secondary school science teacher, I recognize the importance of STEM education in shaping Hong Kong's future. The MA(STEM Ed) program at EdUHK provided a structured curriculum that prepared me to be an innovative educator capable of nurturing future STEM professionals.



Through my studies, I gained a comprehensive understanding of fundamental STEM concepts, curricular models, and assessment strategies. Courses like "STEM Education: Theoretical & Curricular Perspectives" and "Curriculum, Teaching & Assessment in STEM" enhanced my knowledge and provided frameworks for engaging hands-on pedagogies. Guest lectures from frontline teachers and industry experts offered valuable insights into local STEM implementation opportunities.

Collaboration was key in my learning experience. In the "Scientific Inquiry & Engineering Design" course, my group designed a smartphone-assisted pinhole camera to measure the sun's diameter. The "Developing Creativity & Innovation in STEM" course inspired us to create a mechanical toothpaste pencil concept through design thinking.

In the "Technology in STEM Education" course, I developed an autonomous drone route design module aligned with key learning objectives. My elective "Research Project" involved an empirical study that demonstrated significant improvements in students' critical thinking and creativity, utilizing statistical techniques learned in the "Principles & Methods in STEM Education Research" course.

Overall, my experience at EdUHK deepened my knowledge and fostered a supportive network of educators that will be invaluable for my continuous professional growth.

## Enquiries

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EdUHK does not encourage students to entrust their application to any third party agents and we always contact applicants directly on updates regarding the applications. You must complete and submit your own application and provide your own personal and contact details. Please refer to the official EdUHK channels, such as programme websites and the admission system, for the required information to complete your application.

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香港教育大學

The Education University  
of Hong Kong



## Master of Arts in STEM Education

(1-Year Full-time (A1M095) / 2-Year Part-time (C2M028))

## STEM教育文學碩士

(一年全日制 (A1M095) / 兩年兼讀制 (C2M028))



科學與環境學系  
Department of Science  
and Environmental Studies

## The Master of Arts in STEM Education Programme

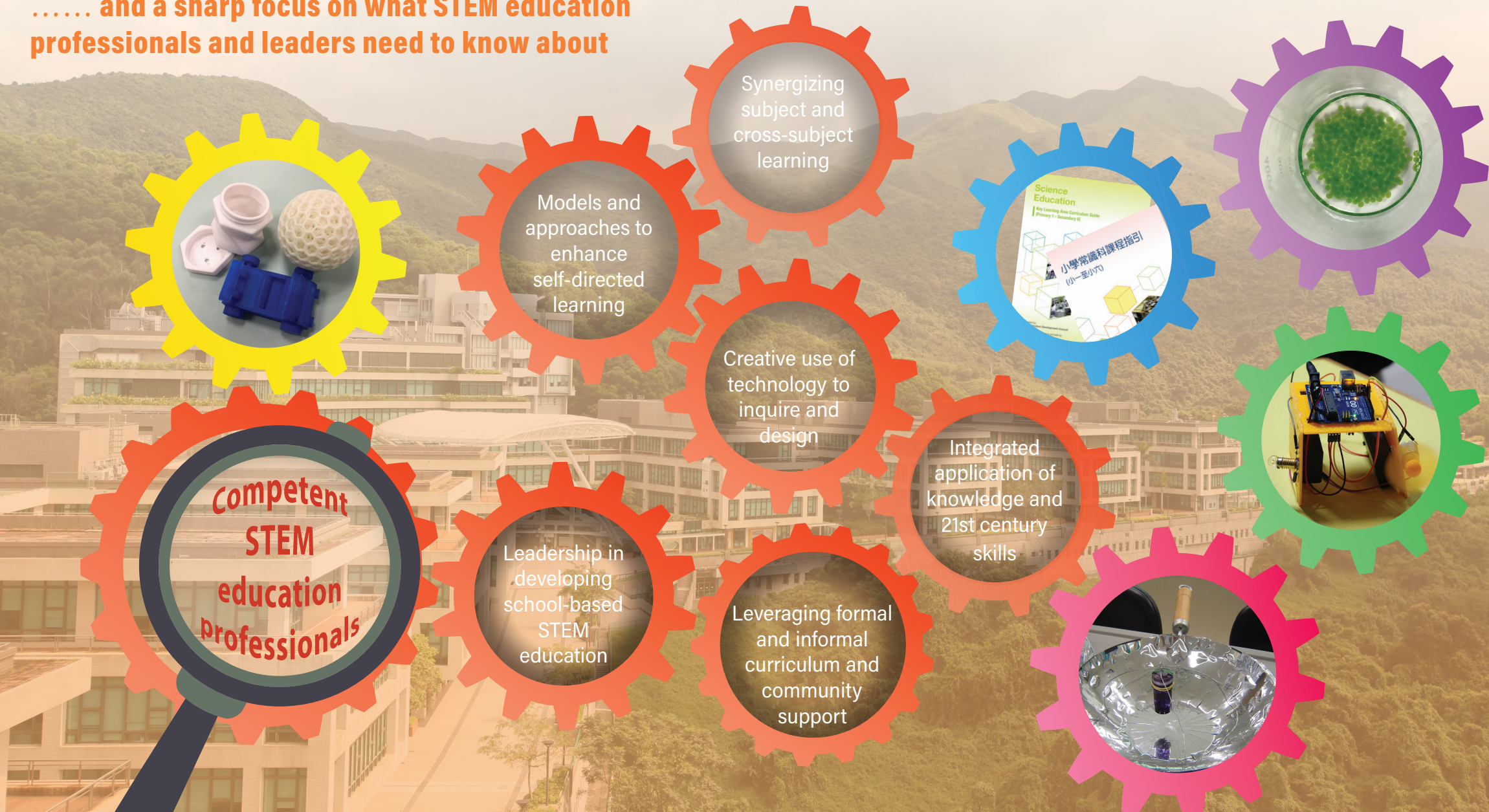
will lead you to an exciting and rewarding experience of professional development in STEM education

### The programme has

..... distinctive aims to

- promote a holistic and comprehensive understanding of STEM education;
- develop competence in promoting STEM education through curriculum integration and integrated learning;
- equip participants with the knowledge and skills for applying technology and engineering design in solving problems;
- develop participants' pedagogical content knowledge for designing instructions and assessment for integrated STEM education;
- develop leadership and cultivate a spirit of innovation in promoting school-based STEM education.

..... and a sharp focus on what STEM education professionals and leaders need to know about





The programme will benefit

- School STEM coordinators and STEM teachers
- STEM graduates
- STEM education practitioners from different sectors
- Other STEM professionals



.....with the full support of a strong teaching and technical team, specializing in

- STEM Education
- Sciences
- Information and Communication Technology
- Mathematics
- Engineering
- Environmental Studies
- Creativity Education

The programme offers 6+2 courses, covering major STEM education themes.

6 core courses:

- STEM education: theoretical and curricular perspectives (3 cps)
- Scientific inquiry and engineering design (3 cps)
- Technology in STEM education (3 cps)
- Developing creativity and innovation in STEM (3 cps)
- Coding and computational thinking (3 cps)
- Principles and methods in STEM education research (3 cps)

2 elective courses:

- Participants could choose ONE out of the TWO courses in each Elective Group:
- Elective Group I (3 cps):*
- Curriculum, teaching and assessment in STEM for primary schools
- OR
- Curriculum, teaching and assessment in STEM for secondary schools
- Elective Group II (3 cps):*
- Research project
- OR
- Internship

.....delivered through creative and diverse learning modes:



Medium of Instructions

The medium of instruction is English.

Tuition Fee

Tuition fee for the whole programme is \$145,800 (\$6,075 per cp)\*

\*Tuition fee is subject to adjustment

Scholarship

The University Grants Committee (UGC) launched a “Targeted Taught Postgraduate Programmes Fellowships Scheme”, on a pilot basis for five cohorts starting in 2020/21, to subsidize local students to study taught postgraduate programmes. The fellowship students are only required to pay a minimum tuition fee of HK\$42,100 to study the entire programme (part-time or full-time), with the remainder covered by the Fellowships Scheme with a maximum of 10 quota. Please refer to the UGC’s website for details.\*

Besides, successful applicants may be granted a scholarship of HK\$10,000 by The Education University of Hong Kong. The Education Bureau (EDB) also offers a scholarship of HK80,000 to local school teachers on a competitive basis. Please refer to the EDB’s website for the Scholarship for Teachers (Pursuit of Master’s Degree Programmes)#.

\*Provision of the scheme in 2025/26 is subject to UGC’s decision.  
#Subject to approval

Entrance Requirements

- (a) Applicants should normally hold a recognized Bachelor’s degree or equivalent.
- (b) Applicants whose entrance qualification is obtained from an institution in a non-English speaking system should normally fulfil one of the following minimum English proficiency requirements:

- IELTS 6.0; or
- Grade C or above in GCSE / GCE OL English; or a TOEFL score of 80 (internet-based test); or
- Band 6 in the Chinese Mainland’s College English Test (CET) (a total score of 430 or above and the test result should be valid within two years); or
- Other equivalent qualifications.

The results of IELTS/TOEFL provided should be within two years (i.e., for the 2025/26 intake, the IELTS/TOEFL test must be obtained on or after 1 Jan 2023); and

The results of IELTS/TOEFL should be “taken in test centres” (i.e., tests taken online such as IELTS indicator/IELTS Online and TOEFL Home Editions are NOT accepted).

- (c) Shortlisted applicants may be required to attend an interview.

Application

For programme information and application, please visit:

.....Join the programme by applying now.

