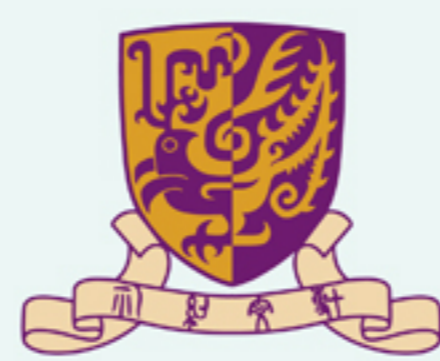


JUPAS code:

**JS4386**



Faculty of Education  
CUHK 中大教育

## 理學士（學習設計與科技）學位課程

### Bachelor of Science (Learning Design and Technology) Programme

*The new programme introduced in 2022 is subject to confirmation by the University Senate.*

The **Bachelor of Science Programme in Learning Design and Technology** is a 4-year integrative programme jointly offered by the **Faculties of Education, Engineering and Science**. Its design is based on the latest re-formulation of the science of education in which education is cast as "a metadiscipline or discipline of disciplines" to equip learners with knowledge, competencies, and leadership to facilitate learning and development in and beyond the formal education settings. Graduates of the programme will be equipped with multi-disciplinary knowledge in education, technology, and science with education and learning sciences serving as the unifying threads. Not only will students be provided with internship opportunities to consolidate theory-practice integration, but they will also carry out research projects to synthesize multi-disciplinary knowledge and action-science.

#### Programme Features



Integrative, multi-disciplinary programme in education, technology and science



Theory driven, action-science oriented, and lab-based learning approach



Integrated STEM education with technology-based and multi-media instruction in multicultural contexts



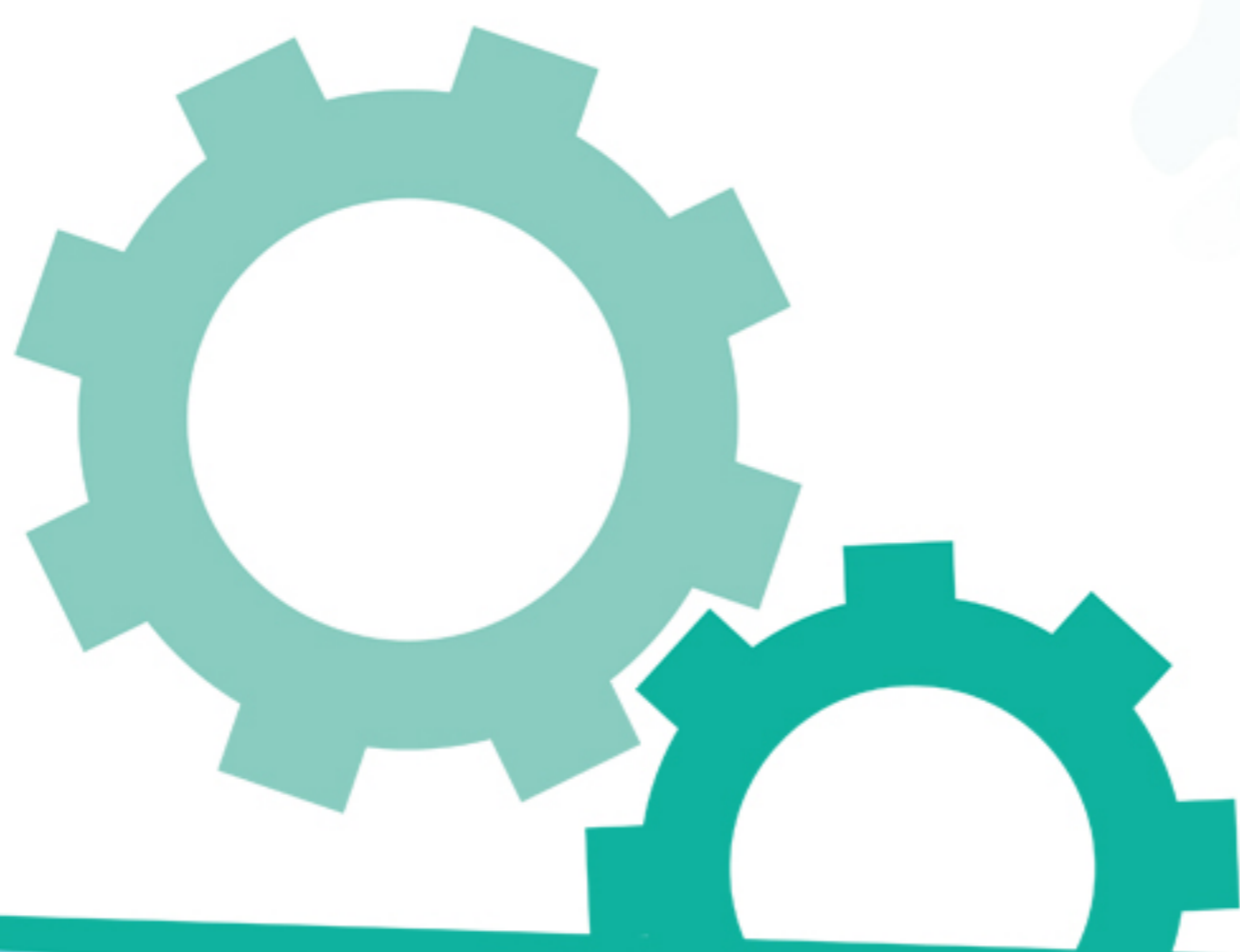
Service learning competencies through education and community engagement



Research in technology, science and transdisciplinary studies in and beyond STEM education



Articulation with the PGDE in technology- and/or science-related teaching and other research-based postgraduate programmes in education and/or technology-related disciplines



#### Contacts

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## Curriculum Structure

S6 Entrants or Equivalent

<b>1   Major Programme Requirements</b>	<b>72 units</b>
a) Faculty Package	9 units
b) Foundation Courses	21 units
c) Required Courses	35 units
(i) Educational Knowledge and Design Component	
(ii) Software Design and Application Component	
(iii) STEM Education and Lab-based Learning Component	
(iv) Internship	
(v) Research Experience	
d) Elective Courses	7 units
<b>2   University Core Requirements</b>	<b>51 units</b>
a) Chinese Language	6 units
b) English Language	9 units
c) University and College General Education	21 units
d) Information Technology	1 unit
e) Physical Education	2 units
f) Free Electives	12 units
<b>Minimum Graduation Requirements: 123 units</b>	

## Career Prospects

Graduates of the programme can pursue professional careers in schools, school-sponsoring bodies, universities, government sectors, non-governmental organizations (especially those specializing in solving social problems by means of education), education-related companies and industries in local, regional, and global settings including the Greater Bay Area. Graduates are equipped to serve in a variety of settings where there is an interface between education and STEM, including industries, businesses, schools, non-governmental organizations, and other new and emerging education-related industries. Additionally, graduates who want to pursue a teaching career can continue their study in the PGDE programme to obtain a technology- and/or science-related teaching qualification.

### LDTE-related Careers

Learning designers/ strategists

Educational product developers

Learning technology specialists

E-learning consultants/ trainers

Multimedia learning specialists

Technology managers/ officers

STEM education designers

Educational data analysts

Technology-supported learning environment designers

Education officers/ administrators/ researchers



## 香港中文大學教育學院

### 理學士（學習設計與科技）學位課程

（2022-23 之新課程有待大學教務會批准。）

#### 課程概覽

理學士（學習設計與科技）學位課程是一個為期四年的綜合課程，由教育學院、工程學院和理學院共同開設。課程建基於教育作為「元學科或學科中的學科」，這一嶄新的教育科學觀點，一方面為學習者提供知識、技能和領袖能力的培養，同時也重視個人在常規教育環境內外的學習和發展。該課程的畢業生將以教育和學習科學為核心，具備教育、科技和科學方面的多學科知識能力。不僅為學生提供結合理論與實踐的實習機會，而且還將設置課題研究項目讓學生展示多學科知識和行動科學的綜合能力。

#### 課程特點

- 提供教育、科技和科學多範疇的綜合性、跨學科課程
- 以理論和行動科學為導向，實驗為基礎的學習模式
- 在多元文化背景下將科學、科技、工程和數學（STEM）教育與科技為本和多媒體教學相結合
- 通過教學和社區參與提升服務學習的能力
- 進行STEM教育在科技、科學和跨學科方面的研究
- 銜接以科技和／或科學教育相關的PGDE課程以及其他與教育和科技領域相關的研究生課程

#### 課程架構

		中六入學學生或同等學歷
<b>1) 主修課程要求</b>		<b>72 學分</b>
a) 學院課程	9 學分	
b) 基礎課程	21 學分	
c) 必修科目	35 學分	
(i) 教育知識與設計 (9學分)		
(ii) 軟件設計與應用 (8學分)		
(iii) STEM 教育與實驗導向學習 (9學分)		
(iv) 實習 (3學分)		
(v) 研究經驗 (6學分)		
d) 選修科目	7 學分	
<b>2) 大學核心課程</b>		<b>51 學分</b>
a) 中文	6 學分	
b) 英文	9 學分	

c) 通識教育	21 學分	
d) 資訊科技	1 學分	
e) 體育	2 學分	
f) 選修科目	12 學分	
<b>最低畢業要求</b>		<b>123 學分</b>

### 就業前景

學生畢業後可在學校、辦學團體、大學、政府部門、非政府組織（特別是著重通過教育解決社會問題的組織）、以及包括粵港澳大灣區在內的本地及國際教育相關行業發揮所長。畢業生將有能力在教育和 STEM 不同領域包括、工商業、學校、非政府組織和其他新興教育相關行業之間構建聯繫。此外，學生畢業後亦可報讀 PGDE 課程，獲取從事科技和／或科學教育相關的專業資格。畢業生獲得 PGDE 課程直接錄取和／或在 PGDE 課程中豁免部分學分的可行性安排將做進一步探討。

### 學習設計與科技相關行業

- 學習設計師／策劃師
- 學習科技專才
- 多媒體學習專才
- 科技支援學習環境設計師
- STEM教育設計師
- 教育產品開發設計師
- 電子學習顧問／培訓師
- 技術經理／主任
- 教育數據分析師
- 教育主任／行政主任／研究員