Data Science and Policy Studies
數據科學與政策研究

院長的話 Message from School Director

歡迎來到政務與政策科學學院 (SGPS)！

本學院結集了跨學科的努力，匯聚一群致力於瞬息萬變的世界中與時俱進並力求創新的學生和研究學者。我們擁有涵蓋不同領域的優秀學者及課程，每個課程都具備特有的學術思辨和研究方法，以解答全球的重要問題。我們的教學反映了全球和地方層面驟變的速度，而這些變化正在重塑治理、公共政策和國內及國際政治。

鑒於香港於中國和亞洲的獨特角色，本學院不少學者在香港及中國研究方面擁有豐富的經驗。同時，由國家、國際組織、企業和公民所建構的全球環境，對於我們理解地方及全球治理的各方面如何發展和相互作用至關重要。

我鼓勵您細閱這份數據科學與政策研究課程的小冊子。您亦可以瀏覽我們的網站進一步了解學院及課程。

希望您喜歡這個課程！

Welcome to the School of Governance and Policy Science (SGPS)!

SGPS is a multidisciplinary endeavour where we bring together students and researchers who aim to better understand and make a difference in our fast-changing world. We host a wide range of outstanding scholars and programmes, each featuring their own intellectual and methodological identities while seeking to answer questions of global significance. Our teaching reflects the fast tempo of changes at the global and local levels that are reshaping governance, public policy, as well as domestic and international politics.

Given Hong Kong's unique role in greater China and Asia, many SGPS scholars have extensive experience in the region as well as in China studies. At the same time, the global environment structured by states, international organizations, firms and citizens is critical to our understanding of how various facets of local and global governance evolve and interact with one another.

I encourage you to explore the programme in Data Science and Policy Studies in this brochure. You can access detailed information about the school and this programme on our website.

Happy exploration!

院長 李磊教授
Professor Pierre F. Landry
School Director

課程簡介 Programme Introduction

數據科學與政策研究課程是一門創新且跨學科的課程，結合數據科學與政策研究，旨在培養學生具備處理複雜社會問題所需的知識與技能。學生將學習如何設計基於大數據驅動與實證為基礎的創新政策方案。課程內容全面多元，涵蓋數據分析、統計學及機器學習等基礎知識，政策設計與分析技術，並提供使用數據科學軟件及視覺化工具的實踐經驗。

The BSSc in Data Science and Policy Studies Programme (DSPS) is an innovative and interdisciplinary programme focused on linking the fields of data science and policy science to equip students with the essential knowledge, skills and capacity to design innovative, big data-driven, and evidence-based policy solutions for complex problems in society. We offer a comprehensive, balanced curriculum on fundamental aspects of data, statistical and machine-learning knowledge, policy design and analytical techniques, as well as hands-on experience with data science software and visualisation tools.

本課程：
- 為學生提供成為專業數據科學家所需的全面技能組合
- 幫助學生掌握多個跨學科技能，包括建築、傳播、經濟學、性別研究、國際關係、公共管理、社會學、社會工作和城市設計
- 讓學生根據興趣和職業目標定制個人專業領域，透過選擇相關技能課程（例如數據科學、移民與人口政策）建立自己在該領域的專業知識

The DSPS Curriculum:
- Equips students with the skills needed to become competent data scientists
- Enables our students to apply their competencies in multiple sectors, such as architecture, communication, economics, gender studies, international relations, public governance, sociology, social work, and urban design
- Allows students to design their own concentration area and build their expertise in this area by choosing a mix of relevant skills and multidisciplinary courses (e.g., data science, migration and population policy)

課程要求　Programme Requirements

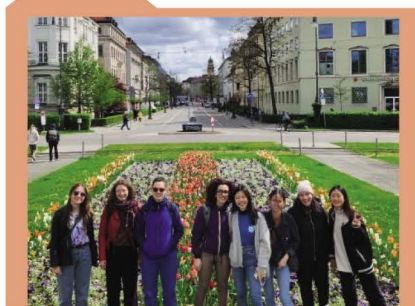| 課程組成部分 COMPONENT	科目 COURSE	學分 UNITS
學院課程 Faculty Package	政策科學入門；及 選修社會科學院中兩個不同課程/學系/專業 學院提供的兩個科目 Introduction to Policy Sciences; and any two courses, offered by two different Programmes / Departments / Schools within the Faculty of Social Science	9
主修必修課程 Major Required Courses	數據科學基礎 Foundation of Data Science 數據科學及政策研究的統計學 Statistics for Data Science and Policy Studies 實習 Internship 總結科目 Capstone Courses 海外留學 Resident Study Overseas	3 3 3 6 9
主修選修課程 Major Elective Courses	學生可從以下選修群組選擇跨學科課程組合來設計自己的專業領域，並建立自己在該領域的專業知識。 Students can design their own concentration area and build their expertise in this area by choosing a mix of interdisciplinary courses from the following elective clusters. 兩個選修群組 2 Elective Clusters • 方法與工具 Methods and Tools • 政策之應用 Policy Applications 　(i) 政策科學與公共行政 　　　Policy Science and Public Governance 　(ii) 全球關係 Global Relationship 　(iii) 人力資源 Human Resources 　(iv) 社會問題、偏差、法律和秩序 　　　Social Problems, Deviance, Law 　　　and Order 　(v) 可持續智慧城市 　　　Sustainable Smart Cities	 21 18
	共Total: 72 學分Units	

課程特色 Programme Features

本課程為學生提供廣泛的體驗式學習活動，使畢業生能夠在職業生涯中以全球視野解決問題。

The DSPS programme offers students a wide range of experiential learning activities, allowing graduates to address real-world issues with global mindset throughout their professional career.

海外留學 Resident Study Overseas

實習 Internship

海外考察 Overseas Field Trip

入學要求　Admission Requirements

聯招 香港中學文憑試成績最低要求：

- 中國語文第3級或以上；
- 英國語文第3級或以上；
- 數學第2級或以上；
- 公民與社會發展科（公民科）達標；及
- **兩科** 選修科目（包括數學延伸部分單元一 或 單元二）第3級或以上

　　^以最佳五科成績計分，所有科目比重為1.0倍。

JUPAS HKDSE Minimum Requirements:

- Level 3 or above in Chinese Language;
- Level 3 or above in English Language;
- Level 2 or above in Mathematics;
- Attained in Citizenship and Social Development (CSD); and
- Level 3 or above in any 2 elective subjects (including Mathematics Extended Part Module I or Module II)

　　^We count the Best 5 subjects, with the subject weighting for all subjects at 1.0.

非聯招及非本地學歷（包括高考）

申請人可憑香港中學文憑考試成績以外資歷，申請入讀本課程。
詳情請參閱入學及學生資助處網頁 (admission.cuhk.edu.hk)。

Non-JUPAS and International Admissions Scheme (Including Gaokao)

Applicants can apply to this programme with qualifications other than the HKDSE. For details, please visit the website of the Office of Admissions and Financial Aid (admission.cuhk.edu.hk).

畢業生出路 Career Prospects

數據科學與政策研究學生可在多個界別探索就業機會，包括：

- 研究機構
- 非牟利機構
- 醫療機構
- 公共部門機構
- 智庫
- 創業公司
- 教育
- 國際性組織

畢業生也可在數據科學、公共政策或相關領域繼續深造。

DSPS students can explore diverse career opportunities in many sectors, including:

- Research Institutions
- Non-profit Organizations
- Healthcare Organizations
- Public Sector Agencies
- Think Tanks
- Startups
- Education
- International Organizations

Graduates can also pursue postgraduate studies in data science, public policy, or related fields.

聯絡我們
Contact Us
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✉ dsps@cuhk.edu.hk