

# Data Science and Policy Studies



## 數據科學與 政策研究

JUPAS CODE 聯招編號 JS4893



Q:A  
Social Science/CUHK

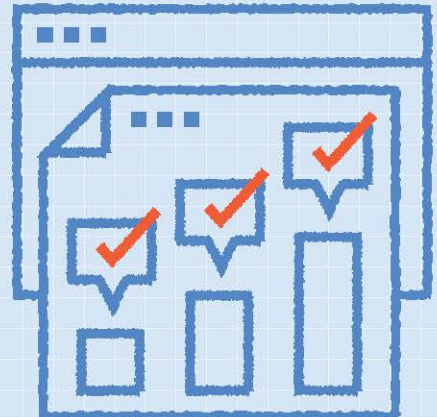
# Programme Introduction

The BSSc in Data Science and Policy Studies (DSPS) Programme offers students...

- opportunity to tackle policy challenges using quantitative methods
- the state-of-the-art knowledge and skills to become specialists in providing data-driven policy solutions for the betterment of society
- opportunity to learn from seasoned scholars and practitioners in the field of predictive analytics

The programme is suitable for students who..

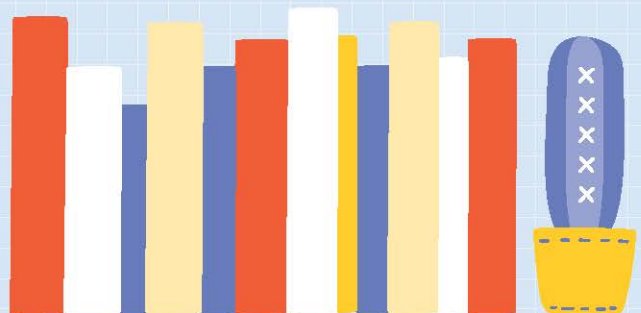
- have a dual interest in both areas of data science and policy studies
- aspire to transform knowledge and technologies to impactful changes in society



# Curriculum Structure



Components	Units
Major Required Courses	27
Major Elective Courses	9
Social Science Disciplinary/ Technology & Statistics Courses	9
Resident Study Overseas	9
Internship	3
Capstone Courses	6
Faculty Package	9
Total : 72 Units	




# Programme Highlights

1. A comprehensive and balanced curriculum on data, analytics machine-learning knowledge and policy design.
2. Hands-on experience with data science software and visualisation tools.
3. A final-year capstone project to apply data analytic skills to address real-world policy issues.

## CORE COURSES\*

- ✓ Foundation of Data Science
- ✓ Statistical Analysis for Policy Decision
- ✓ Data Analytics for Public Policy I, II
- ✓ Research Methods for Policy Studies
- ✓ Internship
- ✓ Graduation Capstone Project I, II
- ✓ Introduction to Policy Sciences
- ✓ Data Science and Public Policy
- ✓ Policy Analysis and Design Thinking
- ✓ Managing Technology and Policy Innovation
- ✓ Policy Leadership and Entrepreneurship Workshop





4. A wide range of elective courses on data science and policy studies, social science, technology and statistics to allow students to tailor their study schedule to personal interests.

5. Students can declare a minor once they fulfill the relevant programme requirements.

## ELECTIVE COURSES\*

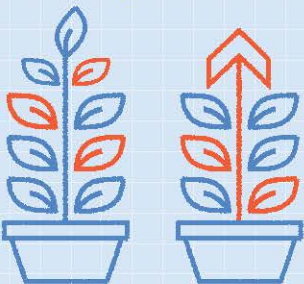
### DSPS Courses

- ◆ Collaborative Governance in a Global Context
- ◆ Data Science and Regulation
- ◆ Selected Topics in Data Science and Policy Studies I, II, III, IV
- ◆ Advanced Applications of Data Science in Public Policy
- ◆ Seminar of Policy and ICT Studies
- ◆ Social Innovation and Social Change for Good
- ◆ Migration, Entrepreneurship and Policy Reflection on Global Citizenship

### Technology and Statistics & Social Science Courses

Students can take courses outside DSPS in...

- ◆ Technology and Statistics:  
Statistics, Computer Science and Engineering
  - ◆ Social Science:  
Architecture, Economics, Global Studies, Government and Public Administration, Journalism and Communication, Psychology, Social Work, Sociology and Urban Studies
- towards having a minor!



\*Please refer to DSPS website for details

# Admission Requirements



## JUPAS Applicants (HKDSE)

- \* Level 3 in English Language, Chinese Language and Mathematics (Compulsory Part)
- \* Level 2 in Liberal Studies
- \* Level 3 in two Elective subjects OR one Elective subject and Mathematics Extended Part Module I or Module II



## Non-JUPAS Applicants

Applicants seeking undergraduate admission on the basis of qualifications other than the HKDSE may apply via Non-JUPAS (local) or International Students Admission Scheme.



For details, please visit the website of the Office of Admissions and Financial Aid  
[admission.cuhk.edu.hk](http://admission.cuhk.edu.hk)



Enquiry  
Email: [dsp@cuhk.edu.hk](mailto:dsp@cuhk.edu.hk)



Website



Facebook



Instagram

## Overseas Exchange Experience

We have lined up with some top institutions in **Europe and Australasia** for students to explore and broaden their horizons.

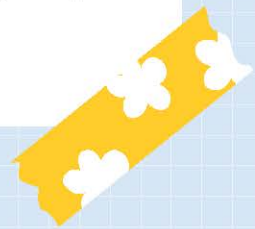
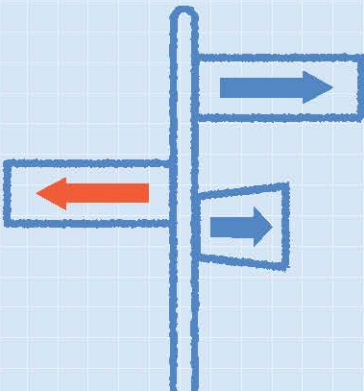
Two partners are the **Technical University of Munich (TUM)**, a top Germany university in the heart of the European continent and the **University of Auckland**, the best university in New Zealand.



## Internships



Our internship programme offers hands-on experience in the public, private, or non-profit sectors.





## Mentorship Programme

- Experienced and professional mentors from different sectors and industries serve as student mentors
- Our mentors come from organisations of different sectors such as The Hong Kong Jockey Club, Niche Global Fintech, Civic Exchange, New Life Psychiatric Rehabilitation Association
- The mentors will provide students with practical advices and guidances on the transition from university to the working world and society after graduation



## Career Prospects

Students graduate with the expertise to be data-driven decision-makers, policy leaders, project managers, and research analysts in both public and private organisations, including but not limited to:

- Public organisations
- Think tanks
- Consulting firms
- Startups
- Science and technology companies
- Non-profit advocacy organisations
- Non-governmental organisations
- Multinational corporations

