# Master of Science in Urban Science, Policy and Planning (USPP)

## Programme Overview

The Master of Science in Urban Science, Policy and Planning (USPP) is a 12-month, full-time programme aimed at training the next generation of **urban researchers**, **analysts** and **practitioners** to be well-grounded in theory, skilled in data and analytics and adept at policy and planning.

### Complex Urban Challenges

The USPP programme responds to a new paradigm of rapidly expanding, globally connected cities and enables students to develop novel solutions to urban challenges such as sustainable mobility, inclusive urban growth and new modes of governance for the 21st century.

Students combine **advanced social and data science research methods** and **computational techniques** with urban theory, planning and practice to explore current and emerging topics and shape the cities of the future.

### Integrative Approach

Courses are taught by SUTD's multi-disciplinary and international faculty alongside practitioners and policymakers in Singapore who are uniquely positioned to provide insights into the country's **technological** and **engineering expertise** and experience in urban planning and development.

The programme integrates coursework with hands-on experience and independent research, and builds upon SUTD's research and industry partnerships with government agencies and private firms.

## Core Focus Areas







### Urban Theory
Students are provided with a theoretical foundation that incorporates centuries of critical thinking about cities, social theory and historical and emerging urban planning paradigms.

### Urban Data and Methods
Students are trained in social science research methods, Geographic Information Science (GIS) and relevant data science techniques such as machine learning, network analysis and interactive data visualisation.

### Urban Practice and Policy
Students are prepared to critically assess, understand and craft evidence-based policies and programmes positioned within the institutional context of urban economics, politics and governance.

## Curriculum Overview

| Term 1 (Sept to Dec) | Urban Theory I — Theory and Dynamics of Urban Social Processes | Urban Data & Methods I — Research Methodology for Urban Analysis | Urban Practice & Policy I — Techniques and Methods of Planning and Policy | Urban Practice & Policy II — Smart Global City: Leadership and Planning in Singapore |
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| | Urban Symposium | | | |
| Term 2 (Jan to Apr) | Urban Data & Methods II — Computational Urban Analysis | Research Studio — Applied Research and Field Work | Electives I & II — Students will choose **two electives** from the Programme's Core Areas: • Urban Theory • Urban Data and Methods • Urban Practice and Policy. Visit the USPP website at http://urbanscience.sutd.edu.sg for more details | |
| Term 3 (May to Aug) | Independent Research Project | | | |

### Admission Schedule / Deadlines

There is one intake each year in **September**. The application deadline for each intake is at the **end of March**.

Please apply at **https://admission.sutd.edu.sg**

### Contact Us

Application, Admission & Scholarships:
Email: **MUSPP@sutd.edu.sg**

### Admission Requirements

Applicants should possess the following:

- **Bachelor's degree** or above
- Proficiency in English (**IELTS**/**TOEFL** is required for students whose last degree was not in English)
- Admission will be based on academic records, a statement of purpose and an in-person or video interview

Attractive **scholarship funding** is available for both Singaporean and international students.

### Career Opportunities

USPP graduates are well-positioned for careers in the following sectors:

- Government Ministries, Statutory Boards and other government-affiliated agencies

- Private-sector organisations and international consultancies specialising in urban development and management consulting

- Professional bodies/trade associations

- Non-governmental organisations, institutes of higher learning and research institutes focusing on urban, social, community, policy, economic and environmental issues

### Singapore University of Technology and Design

The Singapore University of Technology and Design (SUTD) is Singapore's fourth autonomous university and one of the first universities in the world to incorporate the art and science of design and technology into a multi-disciplinary curriculum.

SUTD was established to advance knowledge and nurture technically-grounded leaders and innovators to serve societal needs and create a better world by design.

The USPP Programme is jointly organised by the **Humanities, Arts and Social Sciences** (HASS) cluster and the **Lee Kuan Yew Centre for Innovative Cities** (LKYCIC) research institute.