

DIQITAL CITIES

Toward your dreams

DIQITAL CITIES

Do you want to prepare to plan and **build the cities of the future** by exploring the emerging intersections of **computer science** and **urban planning**?

The **New Engineering Education Transformation (NEET) Digital Cities (DC)** thread emphasizes the development of fundamental skills in urban planning and policy including:

**Ethics, Justice,
and Engagement**

**Statistics and
Data Science**

**Geospatial
Analysis and
Visualization**

**Computational Thinking,
Simulation, and User
Experience**

*NEET is a **3-year, experiential learning certificate program** (sophomore through senior year) that you complete in the usual four years along with your major. All NEET scholars gain **exclusive access** to the **NEET Scholars Collaboration Space (3-001)**.*



DC LEAD INSTRUCTOR

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THREAD REQUIREMENTS

Two Foundation Subjects:

- 11.001: Introduction to Urban Design and Development (12 units, HASS-H)
- 6.100A/6.100B: Introduction to Programming (12 units, REST)

Three Project-Based Subjects:

- 11.007 Urban and Environmental Technology Implementation Lab (12 units)
- 11.154 Big Data, Visualization, and Society (12 units, HASS-S)
- 11.138 Crowdsourced City: Civic Tech Prototyping (12 units, HASS-S)

Three Seminars:

- 11.251 | Frontier of Transportation Research (3 units; J. Zhao)

Suggested Electives

- 11.188 | Introduction to Spatial Analysis and GIS Lab (12 units; E. Huntley)
- 6.1010 | Fundamentals of Programming (12 units)
- 11.S187 | Applied Data Science for Cities (6 units; C. Cong)*
- 11.902 | Independent Study: Urban Studies and Planning

**Course number may change.*

DC FOUNDING FACULTY LEAD

Professor David Hsu

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Follow the action on Instagram at @mit_neet!