



New Engineering
Education Transformation

NEET Thread

DIGITAL CITIES

Cross-Departmental

Interdisciplinary

Hands-on

Project-centric

Toward your dreams

Build the cities of the future! Apply your technical and computing skills to create technology that serves the public good and urban environments.

In the New Engineering Education Transformation (NEET) **Digital Cities (DC)** thread, you will explore the emerging **intersections of computer science and urban planning** and prepare to **build the cities of the future**.

The NEET DC thread emphasizes the **development of fundamental skills** in urban planning and policy including:

ETHICS, JUSTICE, + ENGAGEMENT

STATISTICS + DATA SCIENCE

GEOSPATIAL ANALYSIS + VISUALIZATION

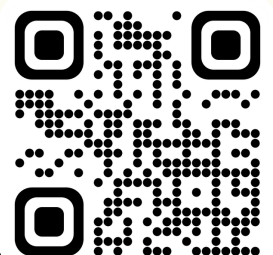
COMPUTATIONAL THINKING, SIMULATION, + USER EXPERIENCE



DC LEAD INSTRUCTOR

Dr. Cong Cong | ccong2@mit.edu
DC Lead Instructor; DUSP Lecturer
MIT School of Architecture + Planning

LEARN MORE



THREAD REQUIREMENTS

Earn a certificate in your chosen thread!

THREE PROJECT-BASED COURSES

Choose ONE:

- 6/11.C35 | Interactive Data Visualization and Society (12 units, HASS-S; Spring)
- 11.154 | Big Data, Visualization, and Society (12 units, HASS-S; Spring)
- 11.138 | Crowdsourced City: Civic Tech Prototyping (12 units, HASS-S; Fall)

AND Both:

- 11.188 | Introduction to Spatial Analysis and GIS Lab (12 units; CI-M; Fall & Spring)
- 11.118 | Applied Data Science for Cities (12 units; Fall)

SEMINAR COURSE

Choose ONE:

- 11.008 | Undergraduate Planning Seminar (6 units)
- 11.251 | Frontier of Transportation Research (3 units)

SUGGESTED ELECTIVES (OPTIONAL)

- 11.024 | Modeling Pedestrian Mobility in Cities (12 units)
- 11.002 | Making Public Policy (12 units)
- 11.111 | Leadership in Negotiation: Advanced Applications (12 units)
- 6.1010 | Fundamentals of Programming (12 units)
- 6.C01 | Modeling with Machine Learning (6 units) + 1.C01/11.C01 | Machine Learning for Sustainable Systems (6 units)

SOPHOMORES eligible
to **APPLY NOW** at

neet.mit.edu

by 11:59 PM,
Sunday, September 27!



Follow the action on Instagram at @mit_neet!