MIT New Engineering Education Transformation

THREAD

DIGITAL CITIES

Toward your dreams

DIGITAL 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 certificate program you opt in to as a sophomore and complete along with your major. Meet and connect with NEET students in the NEET Scholars Collaboration Space (3-001).

DC LEAD INSTRUCTOR

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LEARN MORE

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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:

Offered as 22.003/3.006 (3 units)

DC FOUNDINQ FACULTY LEAD

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