

# Fall 2013 Update to Faculty Senate

*Daniel P. Huttenlocher*  
*Dean and Vice Provost*

**CORNELL**  
NYC**TECH**

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Home of the

**JOAN & IRWIN JACOBS**  
**TECHNION-CORNELL**  
INNOVATION INSTITUTE

# Overarching Goal

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- Create the preeminent grad campus focused on the digital disciplines and information age
  - Emphasizing an entrepreneurial mindset
  - Blending technical depth with creative and business thinking
  - Creating a staging ground for digital technologies that change the ways we live
  - Drawing on New York's strengths and helping address its needs – an urban laboratory, at scale

# Our Approach

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- Rethink graduate education and research for an information rather than industrial age
  - Role of disciplines, pedagogy, faculty profiles, masters education, institutional alliances
- Redraw the lines between academia and industry for more effective engagement
  - Technology commercialization/licensing, on-campus collaboration, educational roles, technology maturation paths

# Academic Partnership

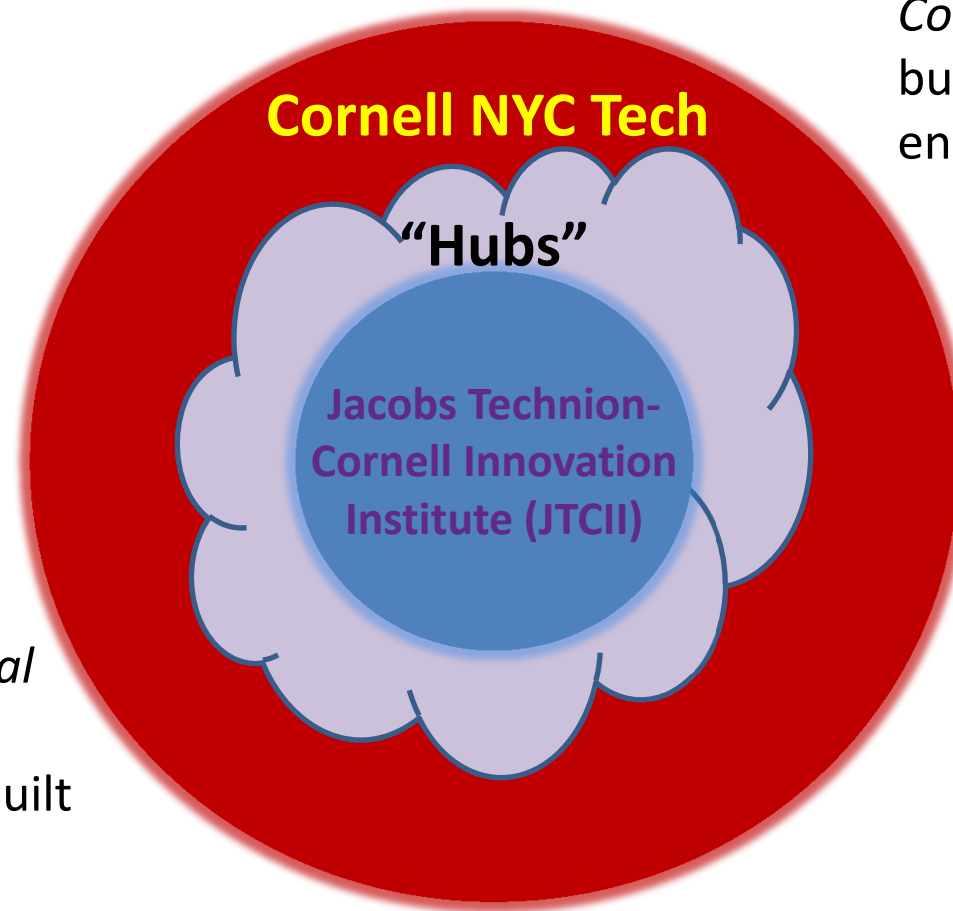
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- Jacobs Technion-Cornell Innovation Institute a key component of the campus
  - Focused on interdisciplinary “hubs” or application domains
  - 50/50 collaboration of Cornell and Technion, similar structure to Broad Institute of Harvard and MIT
- Dual Technion and Cornell degrees planned in three domain areas
  - Connective Media, Healthier Life, Built Environment

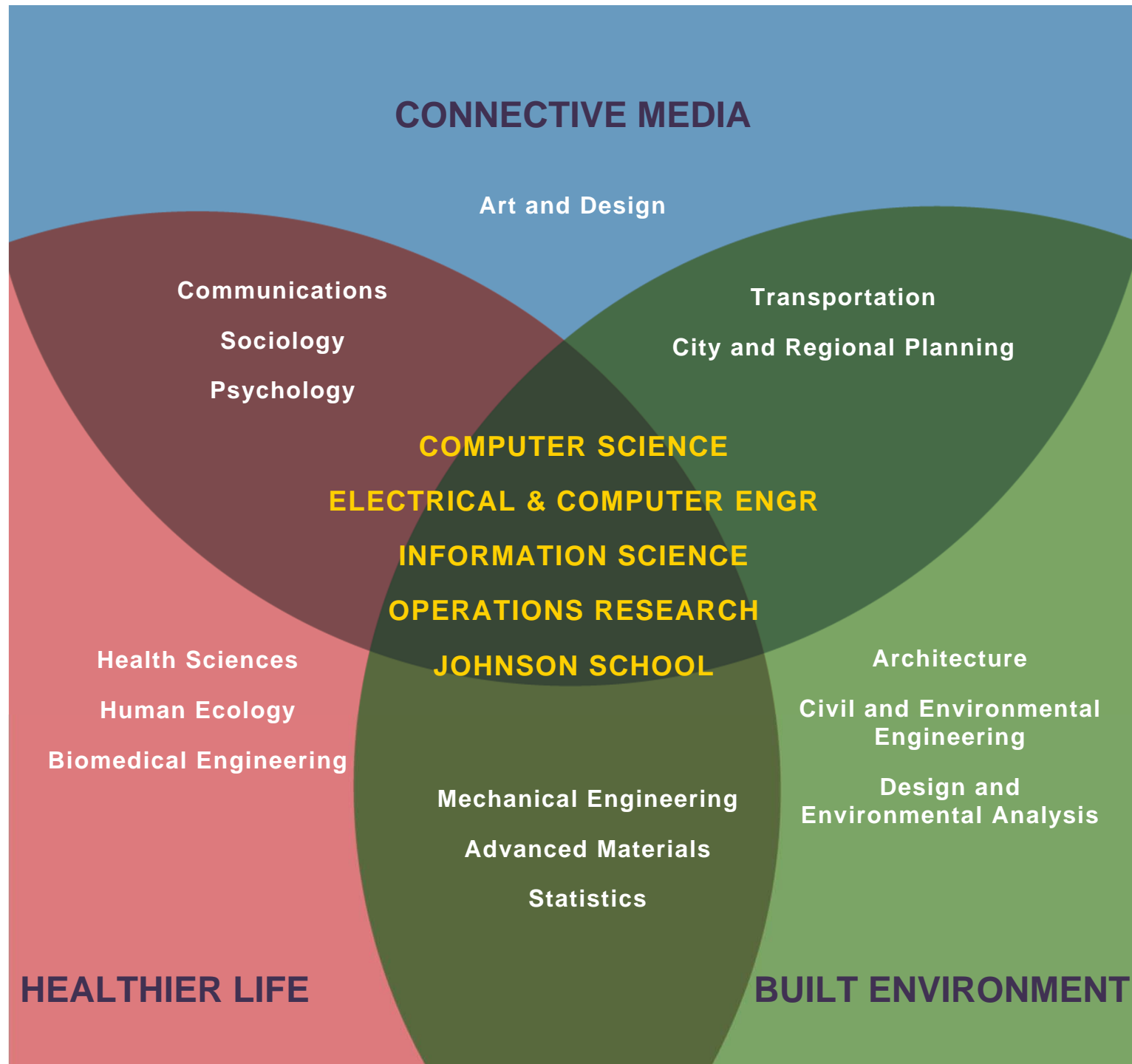
# Digital Disciplines and “Hub” Domains

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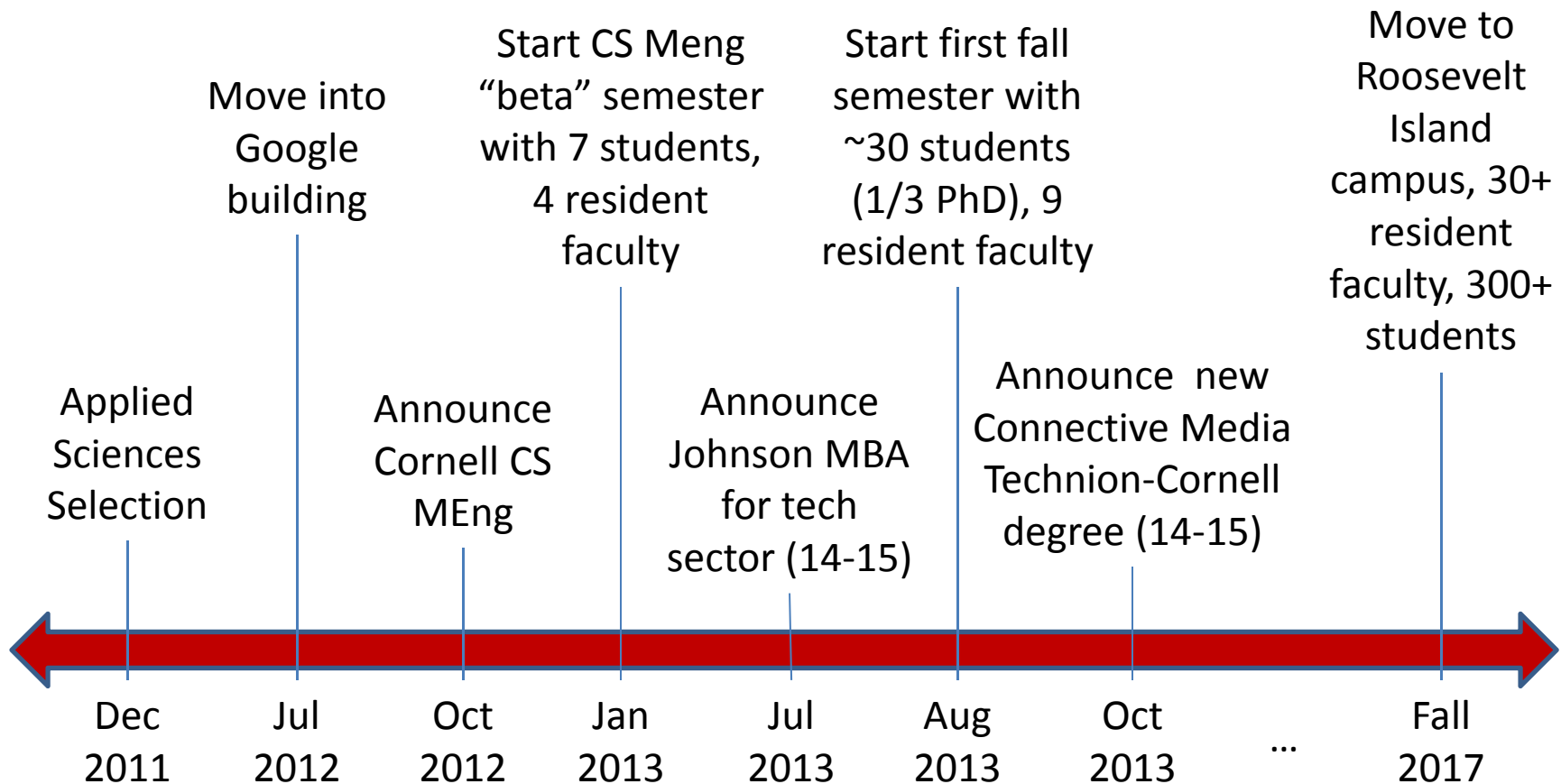
*Cornell degrees in  
business, computing,  
engineering disciplines*



*Technion-Cornell dual  
degrees domains of  
media, health and built  
environment*



# Where We Are – Timeline

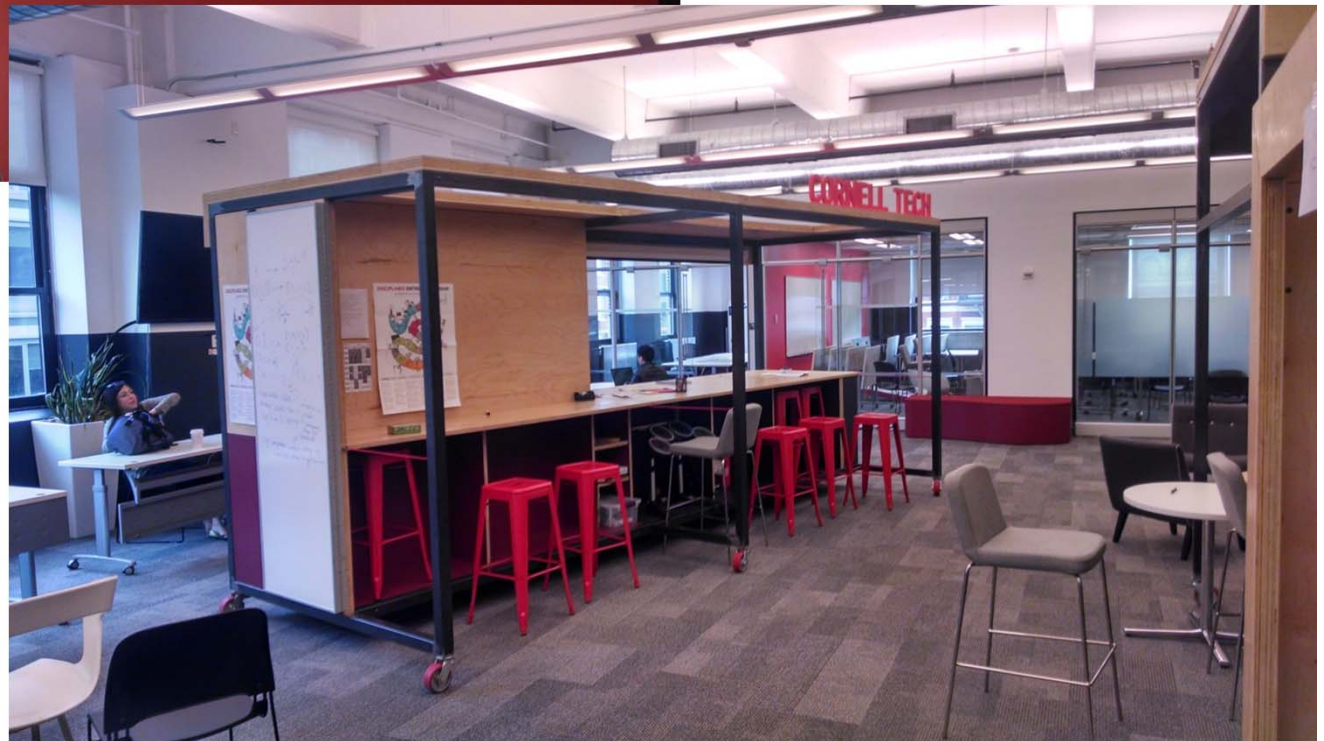


Ultimately 200+ faculty and 2000+ students



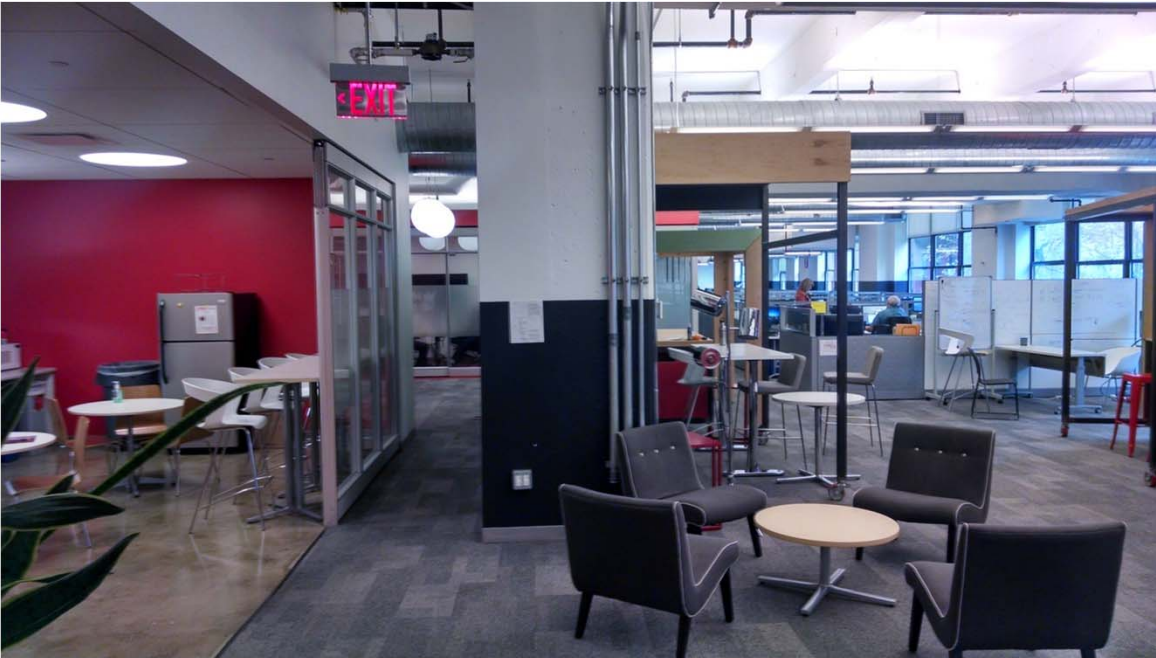
Flat organizational structure, no departments

Flexible common areas



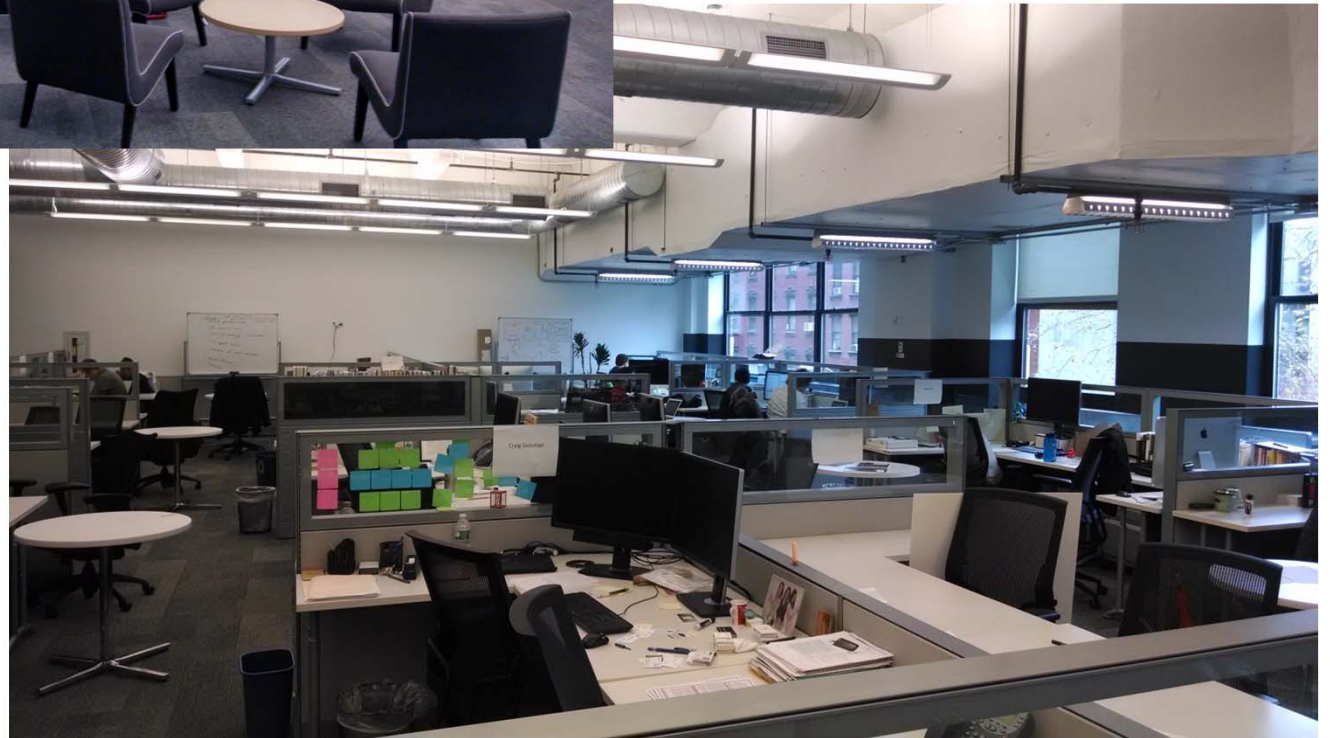
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Many meeting rooms  
and work spaces

Open plan space,  
no private offices



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## About the Faculty

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- Next term 8 Cornell and 2 Technion faculty
  - 3 faculty in Jacobs Technion-Cornell Innovation Inst.
- Cornell faculty tenure is in existing departments and schools which now span both campuses
  - Approach developed with input from CAPP in early 2011 before proposal submitted to NYC
  - Same tenure standards, but spanning three areas: research, teaching (masters rather than undergrad), and external engagement

# About the Masters Programs

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- Blend of technical, business and creative skills, with entrepreneurial mindset
- Team projects
  - Company project with mentor and faculty advisor
  - Startup project with early stage investors, customers
- Get students out of “comfort zone”
  - Pitches, presentations, critiques, portfolio for technical students
  - (Product teams for business students)

# Doctoral Studies

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- Unlike masters, no separate PhD programs from Cornell's main campus in Ithaca
  - Students whose advisor is at Cornell Tech will generally be located at the NYC campus
  - Students spend some time in Ithaca, e.g., if courses they require are not available at Cornell Tech
- PhD students encouraged to participate in practical and business courses, active external engagement



# Open Studio Day

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- Share and celebrate accomplishments of each semester, with network of outside organizations
  - Engagement, presentation, portfolio



# Discussion/Q&A

