



# CornellNYC Tech

Home of the Technion-Cornell  
Innovation Institute



A GAME CHANGER

## Applied sciences – right idea, right time

21<sup>st</sup> century tech sector shifting

- from technological focus to technology-enabled change

NYC positioned to become new tech capital

- unrivaled potential for deep engagement with industry

Scale that matters to NYC economy

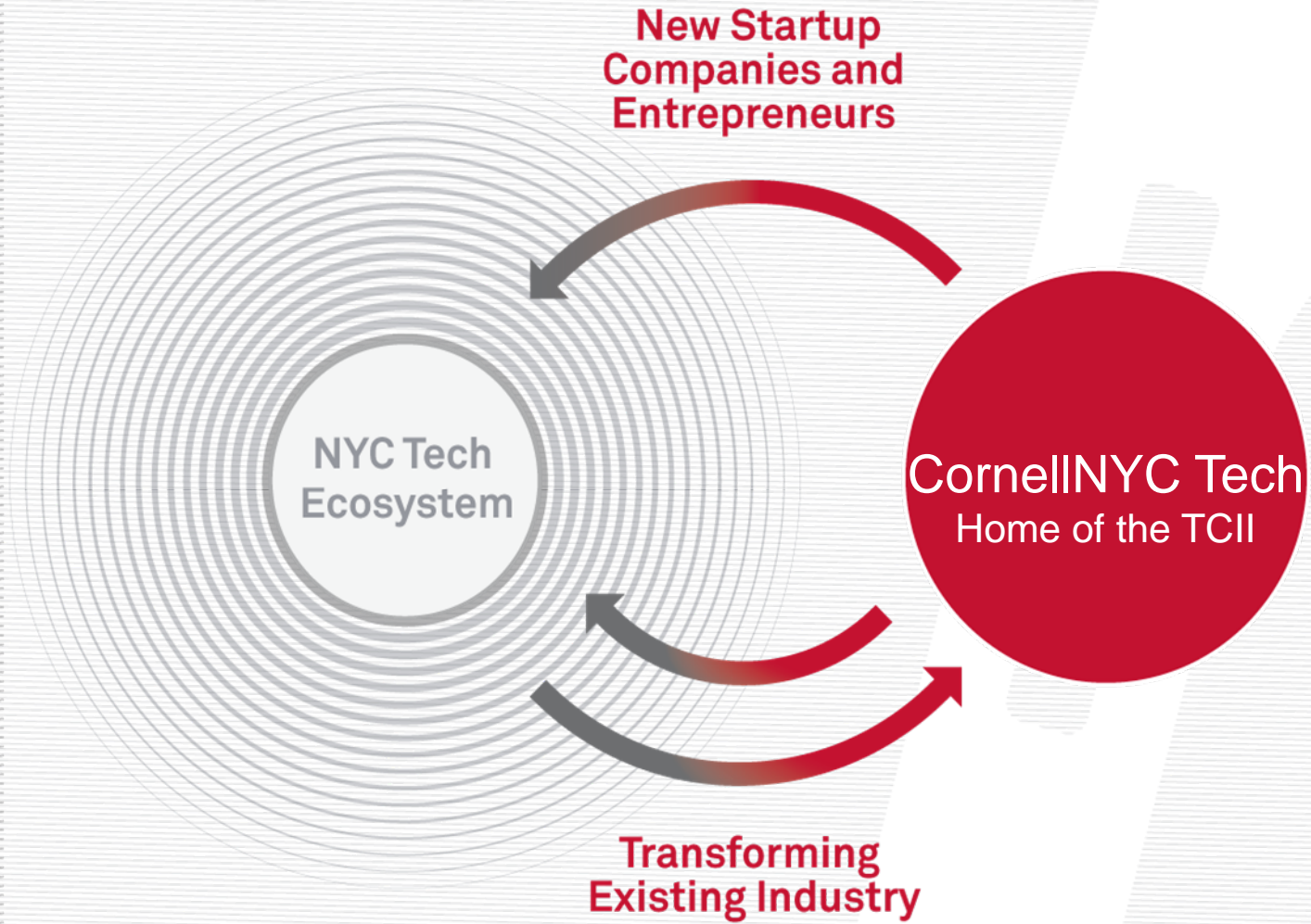
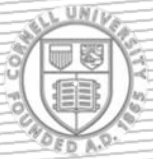
- tens to hundreds of thousands of jobs
- a scale at which Cornell and Technion have succeeded

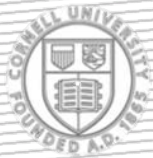
EXECUTION

# Effective and Committed Partnership

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A GAME CHANGER

# Ingredients for Success

**THOUGHT LEADERSHIP**

envisioning and experimenting with the future

+

**TECHNOLOGY INNOVATION**

driven by deep user engagement

+

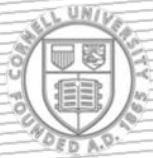
**ENTREPRENEURIAL ECOSYSTEM**

to turn experiments into successful new companies

+

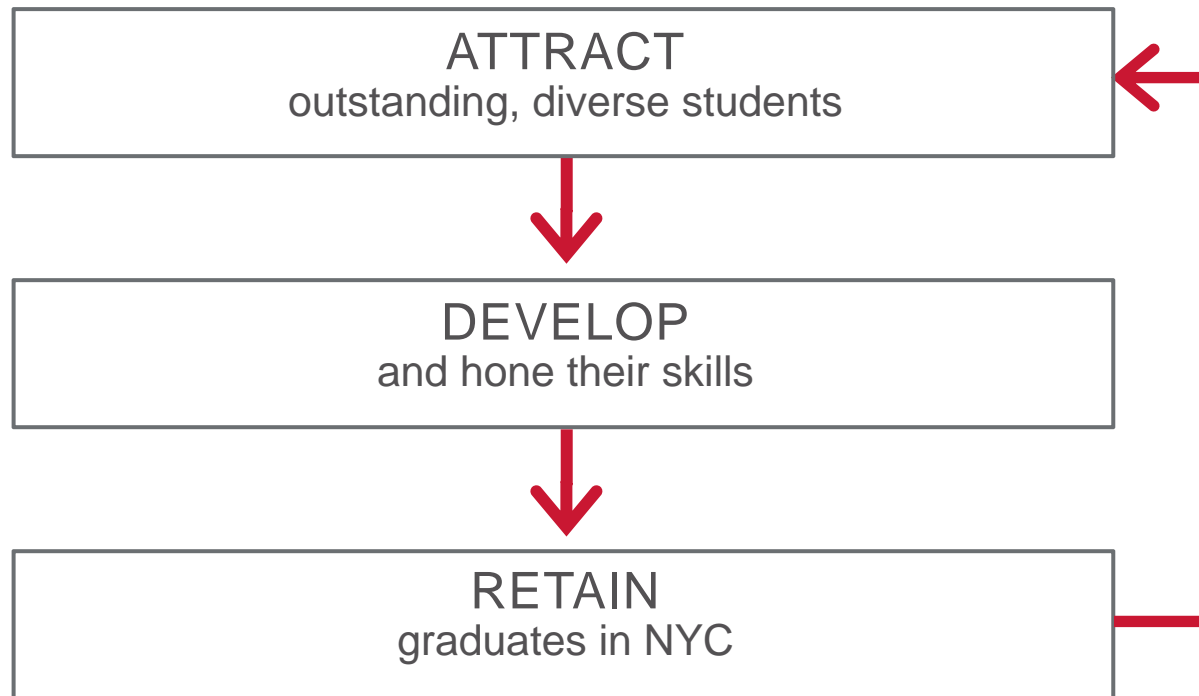
**EXPANDED TALENT POOL**

to lead and staff technology-enabled change



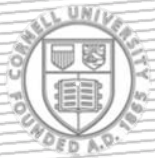
A GAME CHANGER

# Ingredients for Success: Talent Pool



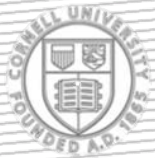
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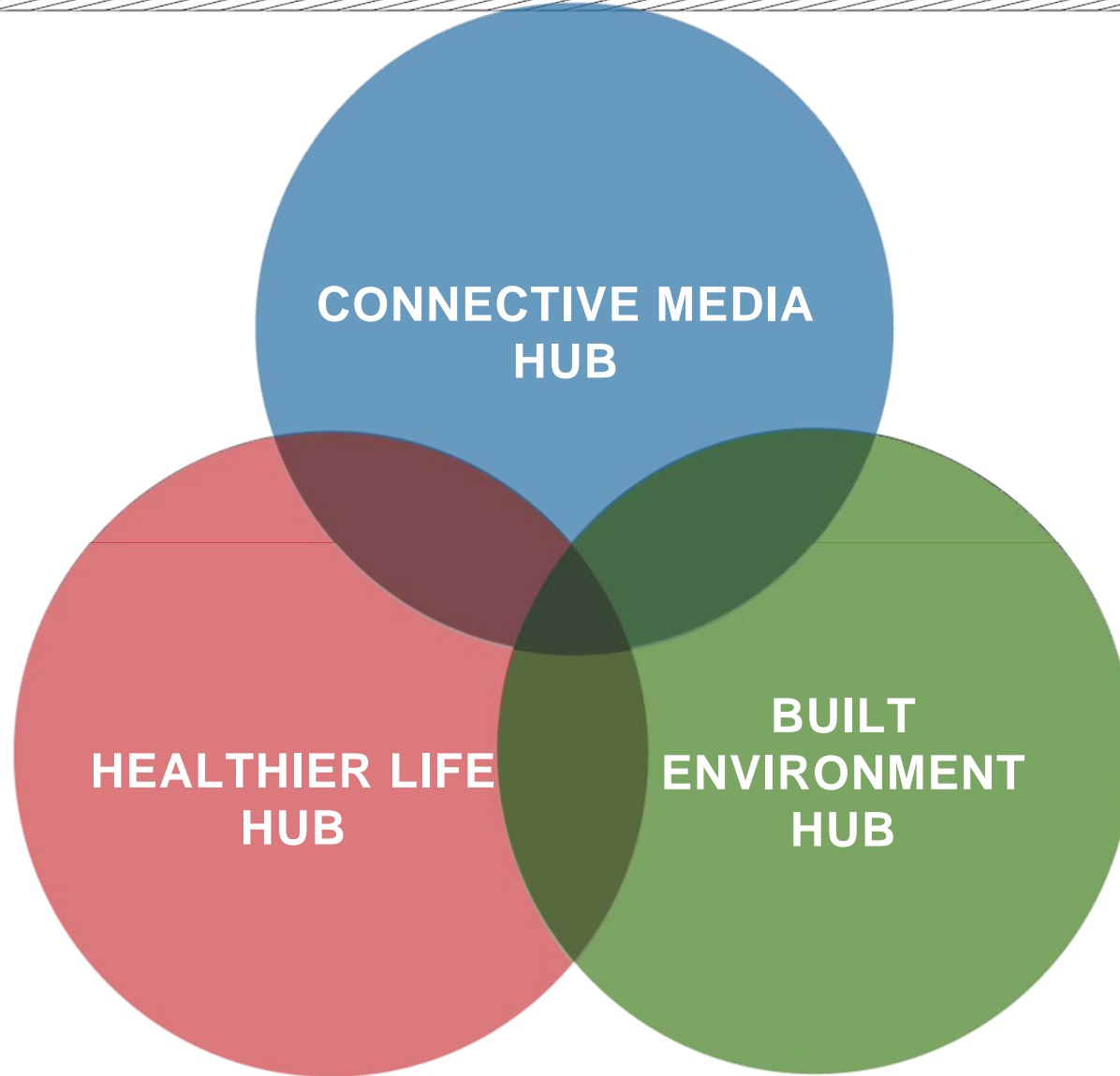


## Transformational Educational Environment for Students

- Masters and PhD degrees (Cornell and Technion)
- Technology commercialization focus
- Innovative curriculum with experiential classes and entrepreneurial emphasis
- All students have industry mentors
- Deep NYC connection
- Undergrad and K-12 non-degree programs



# Interdisciplinary Hubs

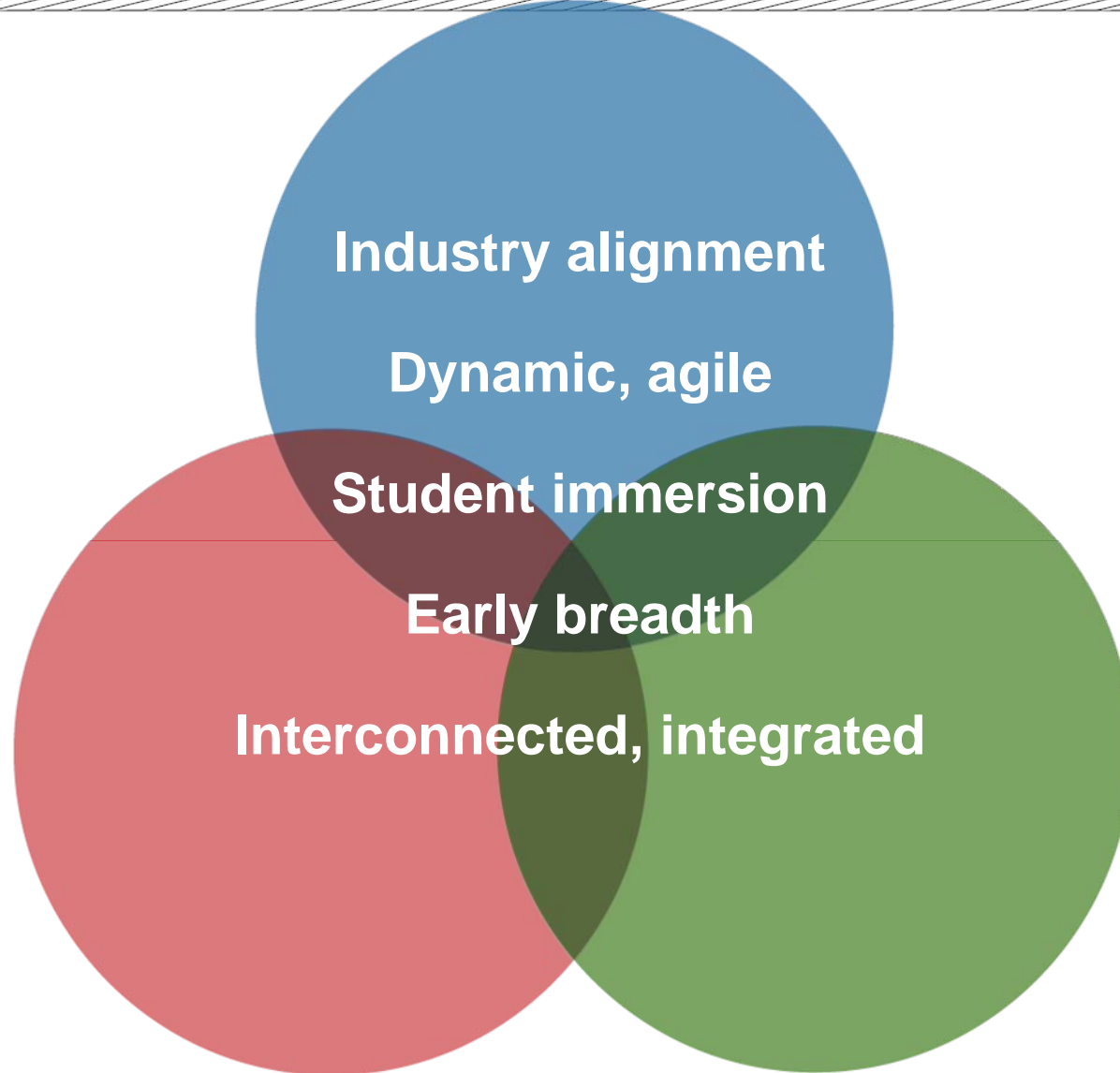
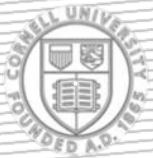


INNOVATIVE ACADEMIC PROGRAM

# Interdisciplinary Hubs

**CornellNYC Tech**

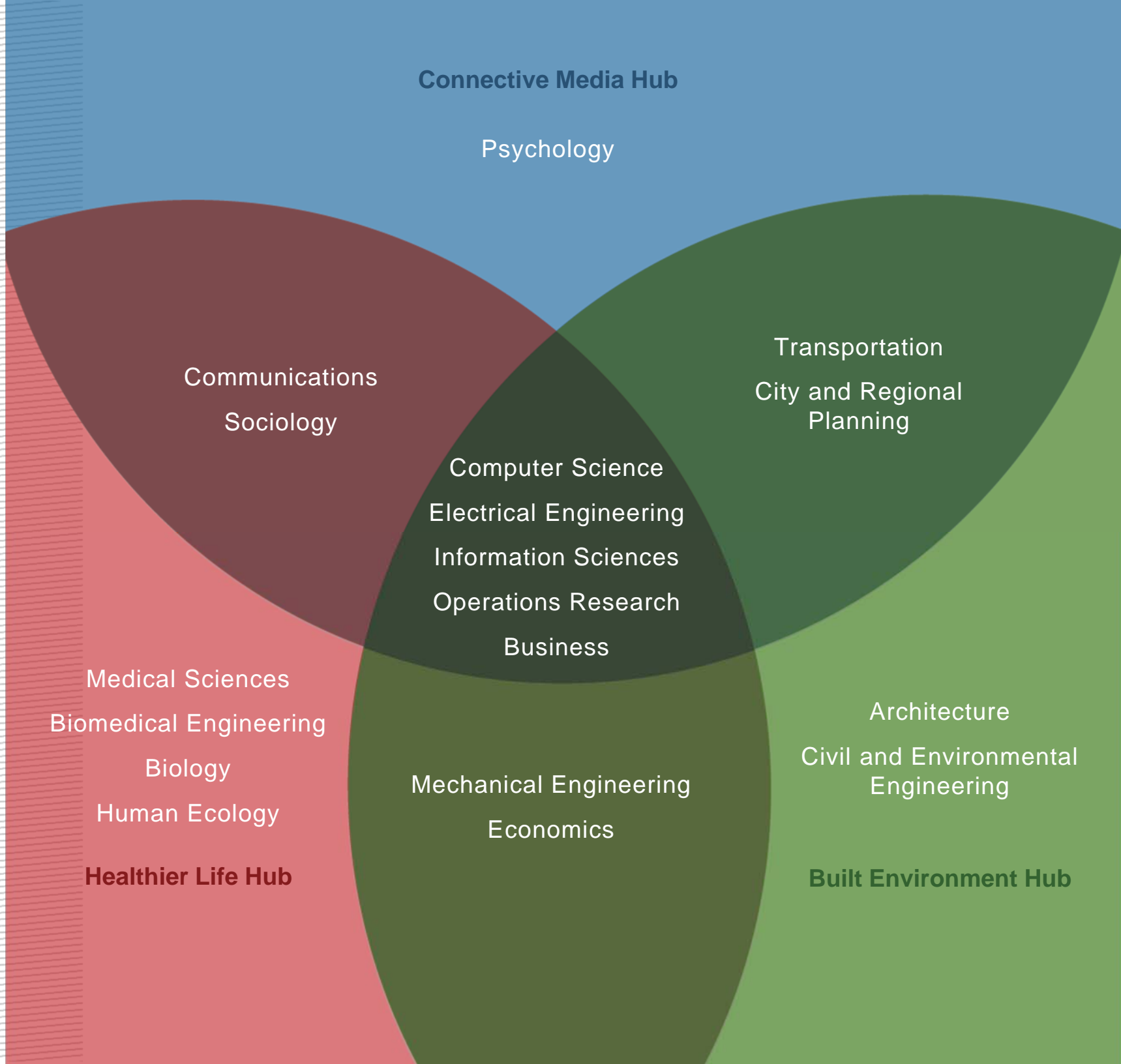
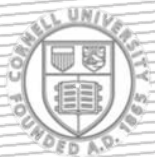
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**Connective Media Hub**

Psychology

Communications  
Sociology

Transportation  
City and Regional  
Planning

Computer Science  
Electrical Engineering  
Information Sciences  
Operations Research  
Business

Medical Sciences  
Biomedical Engineering  
Biology  
Human Ecology

**Healthier Life Hub**

Mechanical Engineering  
Economics

Architecture  
Civil and Environmental  
Engineering

**Built Environment Hub**

# Hubs Tied to NYC Industry Sectors

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**INDUSTRIES**

Advertising  
Entertainment  
Finance  
Publishing  
Retail

**CONNECTIVE  
MEDIA**

**INDUSTRIES**

Healthcare  
Insurance  
Medical Devices  
Medical Information  
Systems

**HEALTHIER  
LIFE**

**BUILT  
ENVIRONMENT**

**INDUSTRIES**

Architectural  
Design  
Construction  
Energy  
Transportation

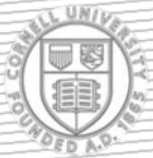
# Build Culture of Entrepreneurship and Innovation

Increase flow of ideas that yield successful new businesses and products

Readily accessible talent pool to lead technology enabled change

Foster NYC based networks – tech magnet

Growth-focused tech transfer practices for university-owned IP



JOB CREATION

# Cornell and Technion Strategic Alignment

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CORNELL

Over **2,600 Cornell**  
**related companies**  
since **2006** employ  
more than **34,000**  
**people**

CornellNYC Tech  
on Roosevelt Island

TECHNION

Technion is responsible  
for **half the Israeli**  
**companies**  
on **NASDAQ**

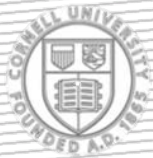


JOB CREATION

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**30,000** permanent jobs from spin-offs, licenses and corporate growth

Up to **8,000** permanent jobs from campus operations

Up to **20,000** construction jobs

**NYC Tech Campus**



## THE CAMPUS

Environmental standard-bearer

Open and welcoming public spaces

A campus and a community

Technology magnet

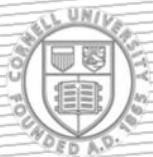


THE CAMPUS

Spontaneous interaction

Organizational adjacencies

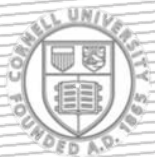
Living laboratory



## Campus Leadership

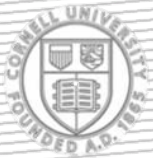
- Dan Huttenlocher, Dean
- Cathy Dove, Vice President
- Craig Gotsman (Technion), Director of TCII
- Lance Collins and Dan Huttenlocher, Co-Chairs of Executive Committee (deans)
- David Shmoys and Rajit Manohar, Co-Chairs of Academic Planning Committee





## Academic Planning

- NYS Accreditation in ECE, ORIE, CS, IS and AMBA
- Design and Accreditation of Masters of Applied Science
- Faculty input through Academic Planning Committee
- Faculty hiring (2-3/year) at senior level in core disciplines, plus one broad search
- WCMC Planning Committee chaired by Rainu Kaushal (Peds, Med, Public Health)



## Economic development

- Economic development
  - \$150 million seed fund
  - Significant programming on and off campus
  - Incubators, accelerators, other support for early-stage businesses
  - Partnerships with established companies



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