CURRICULUM FOR THE INFORMATION AGE

• Need to prepare students in a cohesive, interdisciplinary program
• Meet new educational needs
• Students are entering with more computing skills and higher expectations in nearly every field
• Need to teach concepts beyond mechanics of programming and tools
Areas

• Besides courses in Computer Graphics, CS, EE

• Human and Social Systems cognitive studies, HCI, Design, e-commerce, communication, knowledge mgt., and info management

• Digital Arts and Culture, STS, Digital Arts,
  – Architecture, visual studies
WHAT OTHER UNIVERSITIES ARE DOING

• Creating new schools & interdisciplinary laboratories:
  – Created in opposition to traditional focus of CS
• CMU & Georgia Tech are very CS centric
• Opportunity to create a unique new vision
SYNERGY/FUSION

- Strong focus on interdisciplinary activities with ties across the university
- Integration of research and teaching
- Build from a strong computational sciences unit and link out to well-established efforts in related areas
OPPORTUNITY FOR CORNELL

• Strengths to leverage excellence and visibility in CIS
• All units at Cornell would benefit from a strong CIS program
• Substantial new funding, particularly in human and social systems, computer sciences and computational sciences
  – PITAC report, additional 1.4B/yr (NSF)
  – NSF Centers